

# The research on perfluoroalkyl and polyfluoroalkyl substances (PFASs) in different research areas from the 1950s to the present.

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# Abstract

Perfluoroalkyl and polyfluoroalkyl substances (PFASs) are found globally in the environment, in humans and in wildlife and it is still not sure how these substances affect humans and animals. This study was performed as a systematic review to examine when these substances first attracted attention in different research areas. Also, to examine when the first publication was published and how the research on PFASs is distributed over time.

A total of 2722 publications, as well as their titles and abstracts, were analyzed and used as data. The results show that the most common research area on PFASs was the research about chemical properties. Other large research areas were measurements in the environment and research about PFASs in humans. The first publication found in this study was published 65 years ago in 1952 and it took 39 years before something else than publications within chemical properties was published. In 1991, publications about rodents and mammals appeared. This study shows an increase of published items per year since 1950s and the publications published in 2010 and after, accounted for 64 % of all publications. The highest number of publications per year was published in 2014 however, the number of publications per year decreased in the following years.

Further attention should be given to how these substances affect humans and wildlife, removal strategies and review measured concentrations in wildlife. To investigate how PFASs affects humans and wildlife, research should be conducted interdisciplinary. There are several different research areas and different specialties in the same field of science that must be combined to understand and get a comprehensive picture of the situation regarding foreign substances in the environment, such as PFASs. This study shows an overview of the historical research on PFASs and how potential future environmental pollutants should be handled.





# Table of content

<b>Introduction .....</b>	<b>7</b>
<i>Perfluoroalkyl and polyfluoroalkyl substances .....</i>	<i>7</i>
<i>Toxicity.....</i>	<i>7</i>
<i>Occurrence in the environment .....</i>	<i>9</i>
<i>History of production .....</i>	<i>10</i>
<i>Aim.....</i>	<i>12</i>
<b>Method .....</b>	<b>15</b>
<b>Results.....</b>	<b>17</b>
<b>Discussion .....</b>	<b>23</b>
<b>Conclusion .....</b>	<b>29</b>
<b>References.....</b>	<b>31</b>
<i>Appendix 1 .....</i>	<i>35</i>
<i>Appendix 2.....</i>	<i>39</i>
<i>Appendix 3.....</i>	<i>41</i>



# Introduction

## Perfluoroalkyl and polyfluoroalkyl substances

Perfluoroalkyl and polyfluoroalkyl substances (PFASs), also referred to as perfluorinated chemicals (PFCs), are a large group of anthropogenic highly fluorinated organic chemicals (Borg & Håkansson, 2012) and environmental pollutants (Buck et al. 2011).

Most attention is given to perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) (Naturvårdsverket, 2016; (Borg & Håkansson, 2012) which have been used as surfactants in a variety of consumer and industrial products (Rumsby et al., 2009; Borg & Håkansson, 2012) for over 60 years (Bossi et al., 2005). PFOS-related substances provide grease, oil and water resistance to materials such as textiles, paper (Brooke et al., 2004; Kemikalieinspektionen, 2015), leather and cookware (Banzhaf et al., 2017). Another use is in fire-fighting foams as surface tension lowering agents (Banzhaf et al., 2017), which has been discussed. The use of PFOS-related substances has ceased in new foams however, there are still old foams that contain these substances that may be used. It is also used in smaller volumes in hydraulic fluids for aviation and in photography (Brooke et al., 2004).

PFASs are characterized by a partly (poly) or fully (per) fluorinated carbon chain, often four to fifteen carbon atoms long with a functional group at the end (Borg and Håkansson, 2012; Buck et al. 2011). PFOS is the stable end product of the degradation of different sulfonated fluorochemicals (Bossi et al., 2005) and its salts are fully fluorinated organic compounds produced synthetically or through the degradation of other perfluorochemical products (Taniyasu et al. 2003).

The molecular structure of PFASs is responsible for their lipophilic and hydrophilic properties (Shah-Kulkarni et al., 2016; Lindstrom et al., 2011). PFASs have been used since the 1950s and are extremely resistant towards thermal, chemical and biological degradation (Borg & Håkansson, 2012; Livsmedelsverket, 2016a; Banzhaf et al., 2017; Lindstrom et al., 2011).

## Toxicity

Highly fluorinated substances are a group of very stable substances that degrade very slowly in the environment or are transformed into persistent substances (Borg & Håkansson, 2012; Kemikalieinspektionen, 2015). PFOS have persistent, bioaccumulative (Taniyasu et al. 2003; Rumsby et al., 2009) and toxic (PBT) characteristics (Rumsby et al., 2009) and has been found in biota in large parts of the world because of the use of the substances and because it is not degradable either abiotically or through aerobic or anaerobic biodegradation (Rumsby et al., 2009). Because of the lack of degradability, this indicates that it would be classified as dangerous in the environment (Rumsby et al., 2009). Animal studies have shown that PFASs can cause developmental toxicity (Luebker et al., 2005; Wolf et al., 2007), can easily cross the placental barrier and affect the development of fetuses (Shah-Kulkarni et al., 2016). PFOS and perfluorocarboxylic acids (PFCA) are found in comparatively high concentrations in animals for example polar bears in the Arctic (Kemikalieinspektionen, 2015).

PFOS has a chronic toxic effect, disturbs reproduction and is toxic to marine organisms (Kemikalieinspektionen, 2015). A study performed by Martin et al. (2003) discovered that half-lives and uptake rates in general increases with increasing length of the perfluoroalkyl chain in all tissues in rainbow trout (*Oncorhynchus mykiss*). PFASs accumulated largely in the blood, kidneys, liver and gall bladder among the fishes. For the detectable PFASs the BCFs (bioconcentration factors) increased with increasing length of the perfluoroalkyl chain. Sulfonates and carboxylates with perfluoroalkyl chain lengths shorter than six and seven carbons, respectively, could not be detected in most tissues among rainbow trout (Martin et al. 2003).

Different animal species appears to have different sensitivities to PFAS substances, e.g. Rhesus monkeys are more sensitive to PFOS compared to rats and mice are the least sensitive which can be due to the different handling of these compounds in the body. It is also unclear whether PFOS and PFOA act by the same mechanisms in the body however, some high-dose studies have indicated that cancer, developmental delays, endocrine disruption, immunotoxicity and neonatal mortality are potential toxic effects on animals (Rumsby et al., 2009). Research has suggested that receptor binding may be an important general mechanism. Both PFOS and PFOA bind to peroxisomal proliferator-activated receptor which can change fatty acid metabolism and can be a contributing factor to cancer, fetal growth, hormone and immune function (Rumsby et al., 2009.) After toxicological studies in surviving rats and mice that reported effects of lowered birth weight, increased postnatal mortality, and decreased postnatal growth epidemiologists began to focus on human developmental outcomes with PFOS and PFOA (Olsen et al., 2009).

Highly fluorinated substances have been found in human blood, also in infants (Shah-Kulkarni et al., 2016; Kemikalieinspektionen, 2015). Many of the highly fluorinated substances are bioaccumulative and due to their grease and water resistance they do not accumulate in fatty tissue the way other bioaccumulative substances do. The substances bind to proteins and accumulate in other human organs,

such as the liver and in the bloodstream (Kemikalieinspektionen, 2015). PFASs persistence characteristics in the body has led to increasing concerns over long-term effects although the acute toxicity of PFASs is moderate (Rumsby et al., 2009). The determined half-life for PFOA is up to 8.7 years in retired production workers however, the toxicity of PFOS and PFOA is not clearly understood or enough investigated (Rumsby et al., 2009). Prenatal exposure of PFASs are suspected to affect thyroid hormone levels (de Cock et al., 2014; Shah-Kulkarni et al., 2016) specially in newborn girls. Thyroid hormones are sensitive to these substances and prenatal exposure can affect birth weight, cause preterm births and can affect the glucose and lipid metabolism in humans (Shah-Kulkarni et al., 2016). These hormones are important during developmental stages in life and changes can affect children's health (de Cock et al., 2014).

A study performed by Mørck et al. (2015) with 116 children and 143 mothers from Denmark showed that almost all measured substances were above the detection limit in both mothers and children. Also, the levels of PFOA and *total*-PFOS were significantly higher in children compared to their mothers (Mørck et al. 2015). PFOA disturbs reproduction and is a suspected carcinogen in the human body. However, there is little available information about the health and environmental effects of perfluorocarboxylic acids (Kemikalieinspektionen, 2015). Some studies of the health effects of humans exposed to these compounds have generally shown inconsistent results and the extent to which research has arrived is unknown (Lindstrom et al., 2011; Nolan et al., 2009; Olsen et al., 2009).

Lately, PFOS has been replaced with other persistent, highly fluorinated substances which are believed to be less toxic and bioaccumulative in living organisms (Kemikalieinspektionen, 2015). More research is needed about the potential health effects and the newer PFASs (Rumsby et al., 2009).

## Occurrence in the environment

During the last decade, PFASs have been found globally in the environment, in humans and in wildlife (Borg & Håkansson, 2012; Banzhaf et al., 2017; Svenskt vatten, 2016; Shah-Kulkarni et al., 2016; Mørck et al. 2015; Rumsby et al., 2009; Gomis et al., 2015). PFASs are frequently detected in Sweden and have resulted in serious problems for public drinking water supply (Banzhaf et al., 2017) because PFASs have been detected in groundwater used for production of drinking water (Naturvårdsverket, 2016; Rumsby et al., 2009).

Conventional cleaning processes in drinking water treatment plants (DWTP) such as sand filtration, chlorination and UV radiation do not remove PFAS

substances from water (Rumsby et al., 2009). However, by adding an additional step with filters consisting of granulated active coal (GAC), PFASa can be effectively removed (Rumsby et al., 2009). There have been limited measurements of these chemicals in drinking water. However, the values are below health-based values for drinking water, except in some cases after pollution incidents (Rumsby et al., 2009). There are no limit values regarding PFASs in food or drinking water (Livsmedelsverket, 2016a) but for drinking water, there is an action threshold value of 90 ng/l based on the sum of the eleven selected PFASs (Livsmedelsverket, 2016b; Ronneby kommun, 2014). There is a health based guideline value of 900 ng/l based on the tolerable daily intake (TDI) of PFASs (Livsmedelsverket, 2016b).

There is still quite little knowledge on PFASs occurrence in Sweden though monitoring is ongoing (Banzhaf et al., 2017). Drinking water is one exposure route for humans, and other exposure pathways in addition to drinking water is through food intake, packaged food, outdoor air and dust intake from indoor environment (D'Hollander et al., 2010; Naturvårdsverket, 2016; Shah-Kulkarni et al., 2016).

## History of production

Polymeric polytetrafluoroethylene (PTFE) was discovered in 1938 (Fig. 1) (Lindstrom et al., 2011) and PFASs were first produced in the 1940s and 1950s (Fig. 1) (Wang et al., 2017; Lindstrom et al., 2011). In the late 1940s, the American company Dupont started a teflon factory in Parkersburg and began producing teflon frying pans (Lindstrom et al., 2011). PFOA was released for 70 years by Dupont through the chimney, the waste and directly into the wastewater to the Ohio River (Sveriges radio, 2017a). Residents that are drinking PFOA-contaminated water from the Little Hocking Water Association (LHWA) in Washington County, Ohio have serum levels of PFOA which are 80 times higher than the remaining inhabitants in the United States (Nolan et al., 2009; Olsen et al., 2009).

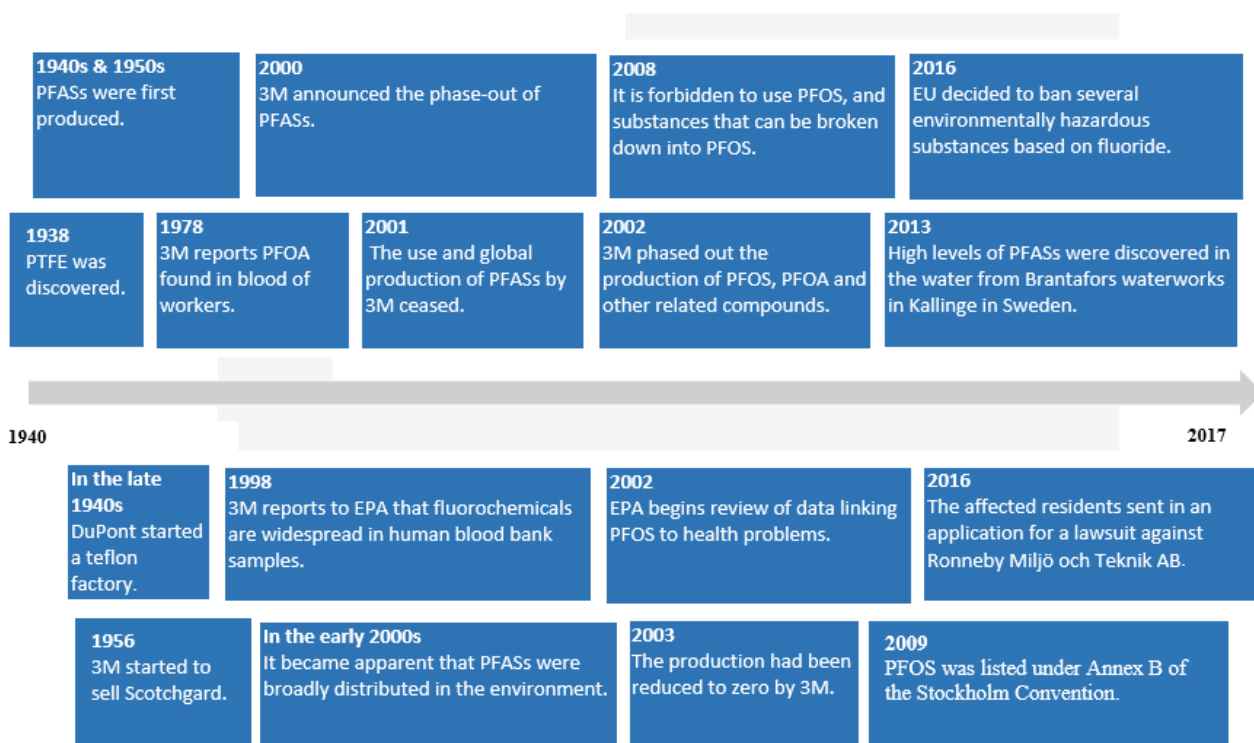
PFOA was found in blood samples from workers in 1978 (Fig. 1) within 3M, the major global manufacturer of POSF (perfluorooctanesulphonyl fluoride) - based substances (Lindstrom et al., 2011) and when blood samples from blood banks were analyzed, these also contained low levels of PFASs (Kemikalieinspektionen, 2004). 1998, 3M reports to U.S. Environmental Protection Agency (EPA) that fluorochemicals are widespread in human blood bank samples (Fig. 1) (Lindstrom et al., 2011). After that, concentrations in the environment began to be

analyzed and PFOS was found in almost all animals tested, including in polar bears in Spetsbergen (Kemikalieinspektionen, 2004). 3M Company, announced the phase-out of production of these compounds (Taniyasu et al. 2003; Rumsby et al., 2009) from December 2000 (Fig. 1) because of the potential for long-term effects in the environment and the concerns about the persistence of PFOS (Taniyasu et al. 2003). The use and global production by 3M ceased in 2001 (Rumsby et al., 2009) and in 2003, the production had been reduced to zero by 3M (Fig. 1) (Brooke et al., 2004). In 2002, EPA begins review of data linking PFOS to health problems (Fig. 1) (Lindstrom et al., 2011).

Since 2008, it is forbidden to use PFOS, and substances that can be broken down into PFOS (Fig. 1), in chemical products and goods, with certain exceptions (Livsmedelsverket, 2016a). PFOS and related compounds are listed under Annex B of the Stockholm Convention on Persistent Organic Pollutants (POPs) in May 2009 (Fig. 1) (Miralles-Marco and Harrad, 2015; Lindstrom et al., 2011.).

PFASs from firefighting sites and waste disposal sites have spread in many places in Sweden and the use of firefighting foam has resulted in levels of these substances in the groundwater in Ronneby. In 2013, high levels of PFASs were discovered in the water from Brantafors waterworks in Kallinge in Sweden (Fig. 1) (Ronneby kommun, 2014). PFASs had not been measured or analyzed before because it was not included among the substances, according to the Swedish Food Administration's instructions, that were to be analyzed. The discovery of the substances in the water was a result of the enhanced environmental monitoring by the County Administrative Board (Ronneby kommun, 2014). There were no Swedish limits for PFASs in food or drinking water and children and adults who drank the contaminated water from Brantafors have very high levels PFASs in the blood compared to the Swedish general population. The waterworks in Brantafors were closed in October 2014 and since then there are no elevated levels of PFAS in Ronneby drinking water (Ronneby kommun, 2014). The affected residents sent in an application for a lawsuit against Ronneby Miljö och Teknik AB in 2016 (Fig. 1) (PFAS-föreningen, 2016). In 2016, members of the European Union (EU) decided to ban several environmentally hazardous substances based on fluoride such as PFOA and substances that can be transformed into PFOA (Fig. 1) (Kemikalieinspektionen, 2016).





**Figure 1.** Timeline of important events of PFASs history (Lindstrom et al., 2011; Taniyasu et al. 2003; Rumsby et al., 2009); Brooke et al., 2004; Livsmedelsverket, 2016a; Miralles-Marco and Harrad, 2015; Kemikalieinspektionen, 2016; PFAS-föreningen, 2016; Wang et al., 2017).

## Aim

During the last decade, perfluoroalkyl and polyfluoroalkyl (PFASs) have been found globally in the environment, in humans and in wildlife (Borg & Håkansson, 2012; Banzhaf et al., 2017) and several of these substances have a negative impact on the environment and human health (Naturvårdsverket, 2016). Concerns about PFASs, for example PFOS and PFOA and other highly fluorinated compounds are growing (Lindstrom et al., 2011) worldwide and it is uncertain how far the research has come. The aim was to perform a systematic review and qualitatively review the research on PFASs in LUBsearch. A second aim was to examine when these substances first attracted attention in different research areas and why. This study provides an overview

of current research on PFASs, identifies possible gaps in knowledge as well as investigates what future studies should focus on. A timeline will be drawn to get a comprehensive view on the historical research on these substances and show when the increases in publications occurred which may possibly be linked to historical events and bans. Finally, to gain knowledge and optimize the management of possible future environmental pollutants.

- When was the first publication about perfluoroalkyl and polyfluoroalkyl substances (PFASs) published and how is the research on these substances distributed through time?
- When did these substances first attracted attention in different research areas?



## Method

A study was performed as a systematic review to qualitatively review the scientific literature on PFASs using the digital library LUBsearch with several different types of publications. LUBsearch is Lund University Libraries' search service with a search engine for articles, ebooks, books, etc., with entries from research publishers and from subject databases including Scopus and Web of Science. The search was performed with selected keywords to answer the formulated research questions in the study. The published materials were used as data and the author performed a screening of all the publications found on the title and abstract level. The method is used to reduce selection bias and to perform a repeatable analysis.

First, a search string with keywords were selected through searches in LUBsearch and by reading research papers found in a previous project and with the help of Anna Rignell - Hydbom at Lund University. It was important to find all publications on PFASs and include them in the study but also to get a manageable amount of publications. The search was performed with no restrictions on publications year and with the search string; ("PFAS" OR "per- and polyfluorinated compounds" OR "perfluorinated compounds" OR "polyfluorinated compounds" OR highly fluorinated compounds).

The search was conducted in March 2017 and resulted in a total of 10,216 hits with the chosen search string in LUBsearch between the years 1952 - 2017. Of all the articles found in the search there were 48 hits that were not written in English (0,5 %), 2414 hits were not peer-reviewed (24 %) and there were 5032 duplicates and publications outside the subject (49 %). Some of the duplicates were removed by LUBsearch and some were removed manually by the author. In this study, 3,884 publications were manually examined because it was the number of publications that remained after LUBsearch removed the duplicates and the publications that were not peer-reviewed. Titles and abstracts were read and analyzed and a total of 2722 publications remained (27 %) (Appendix 3) and were used as data in the analysis.

The title and abstract were read and analyzed to sort the publications into different groups (Table 1) which represented different research areas to facilitate the handling of data and analyzes. The groups also made it easier to discover when the first publication was published in different research areas. The different research areas and the different groups were determined during the study and determined depending on the publications that were found with the chosen keywords. Title, year and research areas were written in a worksheet in Excel. Finally, a timeline was created in Excel to

get an overview of the published publications through time and when different research areas have been investigated and when these substances first attracted attention.

After all the publications had been sorted into groups, the number of items in every group could be examined (Fig. 2). The publications were also sorted by which year they were published to see how many articles that were published totally each year (Appendix 1). A graph of the total number of publications published was made to determine and show how the number was accumulated in LUBsearch in 65 years. (Fig. 4). Finally, it was calculated how many percent each group consisted of (Fig. 1)

## Results

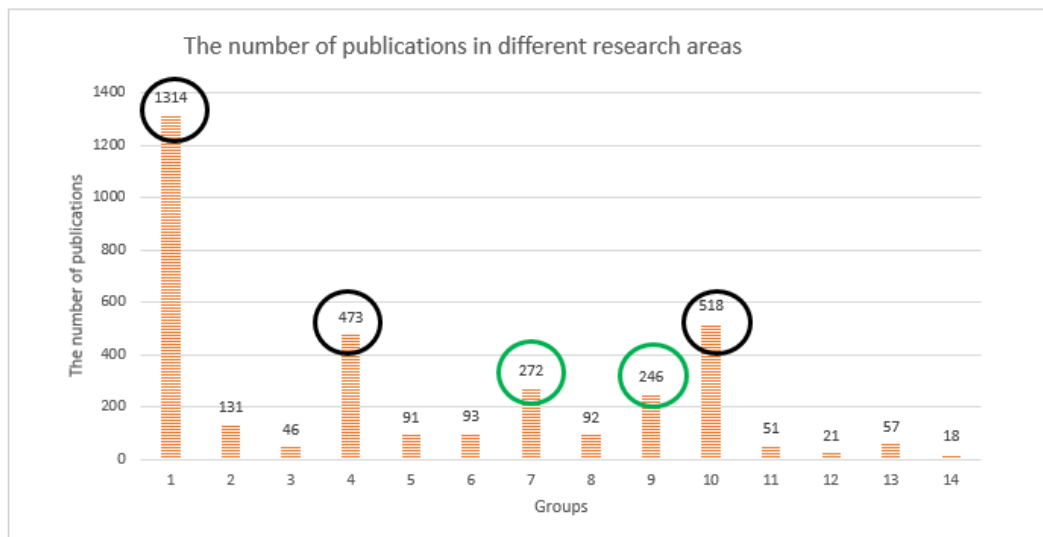
A total of 2722 publications remained as data in the study and in the analysis. During the study, the publications were divided into 14 different groups representing different research areas or what the different publications focused on to facilitate the handling of data and analyzes (Table 1).

**Table 1.** Different groups of publications that were found during the study and percent (%) of the total number of publications in each group.

	Group	Description	Percent (%)
1	Chemical properties and use of PFASs	The chemical properties, chemical synthesis and use of PFASs, for example half-life and phase behavior.	48
2	Rodents	Ecotoxicological studies and measurements of PFASs in rats, mice and hamsters. Usually animal tests.	5
3	Mammals	Ecotoxicological studies and measurements of PFASs in mammals (excluding rats, hamsters, mice and aquatic mammals).	2
4	Humans	Ecotoxicological studies and measurements of PFASs in mammals (excluding rats, hamsters, mice and aquatic mammals).	17
5	Climate impact	Environmental problems and measurements of PFASs in air.	3
6	Soil	Studies about PFASs in soil	3
7	Aquatic organisms	Ecotoxicological studies and measurements of PFASs in fish and other aquatic animals including marine mammals.	10
8	Birds	Ecotoxicological studies and measurements of PFASs in birds.	3

9	Water	Studies about PFASs in water	9
10	Measurements in the environment	Measurements in the environment and research about methods of detection in the environment (measurements in water and soil excluding measurements in rodents, marine organisms, birds, mammals, humans and air).	19
11	PFASs in the Antarctic and Arctic	Problems and occurrence of PFASs in the Antarctic and Arctic.	2
12	Other wildlife	Measurements in wildlife in other animal groups than mentioned earlier. Not animal tests.	1
13	Strategies for removal	Strategies for removal and degrading of PFASs	2
14	Management, rules and regulations for PFASs	Management and regulations for PFASs in various countries for example environmental legislation and threshold limit values.	1

Many of the publications belonged to several groups and the group with the largest number of publications was the group with publications about chemical properties and the use of these substances (Table 1) with 1314 items (Fig. 2). The group consists of 48 % of the total number of published items about PFASs (Table 1). Another large group was publications about measurements in the environment and research about methods of detection in the environment (Table 1) with 518 items (Fig. 2). The group consists of 19 % of the total number of publications about PFASs (Table 1). The group with publications about ecotoxicological studies and measurements of PFASs in humans (Table 1) had 473 items (Fig. 2) and the group consists of 17 % of the total number of published items about PFASs (Table 1). Another group with many publications was the group with publications about ecotoxicological studies and measurements of PFASs in fish and other aquatic animals including marine mammals (Table 2) with 272 items (Fig. 2) and 10 % of the total number of published items about PFASs (Table 1). The group with publications about studies about PFASs in water (Table 1) had 246 hits (Fig. 2) and 9 % of the total number of published items about PFASs (Table 1).



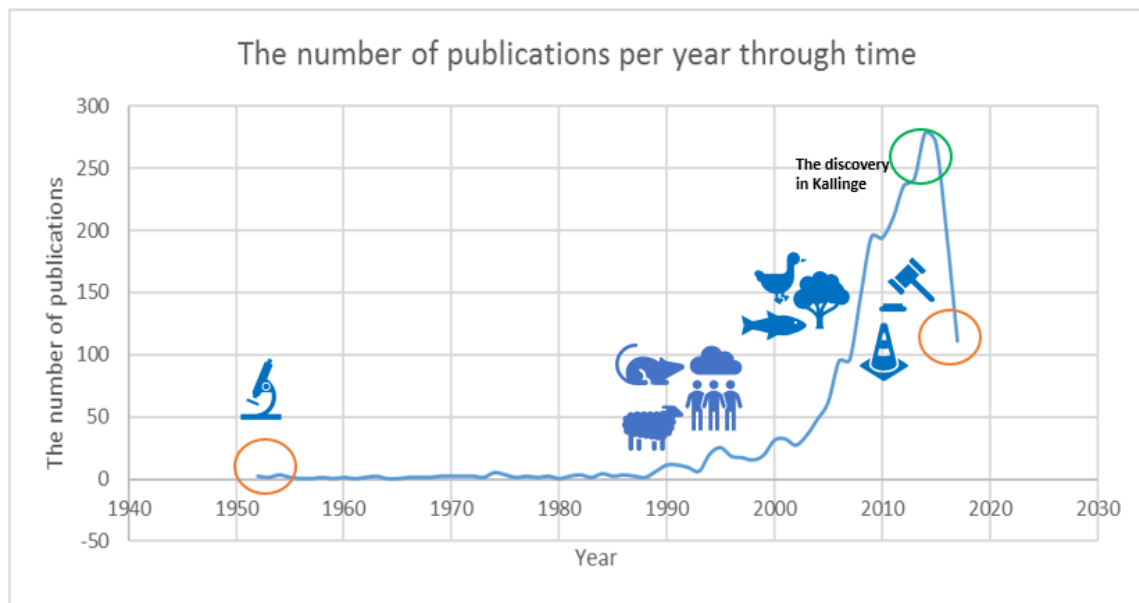
**Figure 2.** The number of publications in the following research areas: chemical properties (1), rodents (2), mammals (3), humans (4), climate impact (5), soil (6), marine organisms (7), birds (8), water (9), measurements in the environment (10), PFASs in the Antarctic and Arctic (11), other wildlife (12), Strategies for removal (13) and management, rules and regulations for PFASs (14),

**Table 2.** The year when the first publication was published within every group.

	GROUP	SINCE (YEAR)
<i>1</i>	Chemical properties	1952
<i>2</i>	Rodents	1991
<i>3</i>	Mammals	1991
<i>4</i>	Humans	1994
<i>5</i>	Climate impact	1995
<i>6</i>	Soil	1999
<i>7</i>	Aquatic organisms	2001
<i>8</i>	Birds	2002
<i>9</i>	Water	2004
<i>10</i>	Measurements in the environment	2004
<i>11</i>	PFASs in the Antarctic and Arctic	2004
<i>12</i>	Other wildlife	2005
<i>13</i>	Strategies for removal	2010



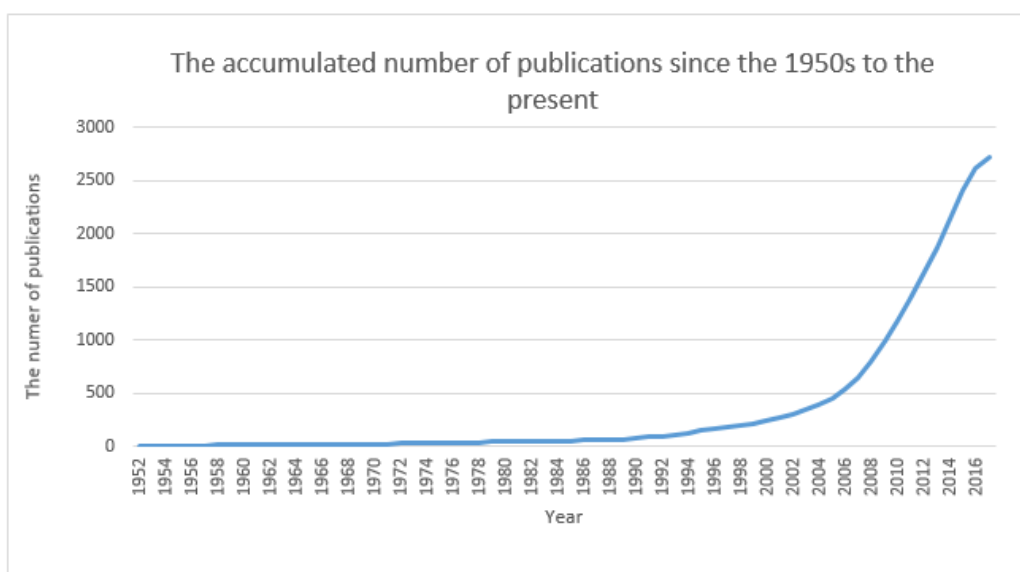
The first publication found in the study, was published 65 years ago in 1952 (Table 2, Fig. 3), and the newest publication was published in 2017 (Fig. 3). It took 39 years after 1952, before something else than publications within chemical properties was published. In 1991, publications about rodents with ecotoxicological studies and measurements of PFASs appeared (Table 2, Fig. 3). In the same time, publications about publications about ecotoxicological studies and measurements of PFASs in mammals appeared (Table 2, Fig. 3). After three years, the first publication about humans appeared in 1994 (Table 2, Fig. 3) and in 1995, the first publication about climate impact was published (Table 2, Fig. 3). In the late 1990s, the first publication about studies in soil also appeared (Table 2, Fig. 3). In the following years, many environmental studies were seen, such as publications on aquatic organisms, birds, studies of PFAS in water and environmental measurements, PFASs in the Antarctic and Arctic and other wildlife (Table 2, Figure 3). At the beginning of the 1990s, most studies about animals were about animal testing in laboratories, such as publications about rodents.



**Figure 3.** The number of publications per year since 1950s to present in all groups on a timeline with the different groups; chemical properties, rodents, mammals, humans, climate impact, soil, aquatic

organisms, birds, water, measurements in the environment, PFASs in the Antarctic and Arctic, other wildlife, strategies for removal and management, rules and regulations for PFASs.

The highest number of items per year was published in 2014 (the green circle in the figure) (Fig. 3, Appendix 1). However, in the following years the number of published items per year decreased (Fig. 3). It is still unknown how many publications that will be published about PFASs in 2017 totally. An increase of published items per year since the 1950s was seen in all groups (Fig. 3, Appendix 2). In summary, it seems to be a trend of decreasing published publications after 2014, every year in almost all groups, except in the group with publications about management, rules and regulations for PFASs (Fig. 3, Appendix 2). The publications published in LUBsearch in 2010 and after, accounted for 64 % of all publications (Fig. 4). The results show an average of 42 publications per year since 1952, in 65 years.



**Figure 4.** The accumulated amount of publications in all groups and research areas in the study since 1950s to present

The results show an increase of published items through time published in LUBsearch about PFASs (Fig. 4). The number of items is increasing almost all the time however, the major increase began in the 1990s (Fig. 3, Fig. 4). Although, an increase of published publications through time should be seen in all research areas

and disciplines in modern time. However, it is still interesting because the results show when the increases occurred and can be linked to historical events and bans.

## Discussion

In this study, 2722 publications on PFASs were analyzed and the results show that the most common research area on PFASs was the research about chemical properties, such as publications about half-life, phase behavior, chemical synthesis, the reactions of highly fluorinated organic compounds and the use of PFASs. Another common research area about these substances was about environmental measurements, such as publications on methods for detection in the environment and water and soil measurements. Research, ecotoxicological studies and measurements of PFAS in humans were also major research areas about PFASs. Other common research areas within the publications were research about aquatic organisms and ecotoxicological studies and measurements of PFASs in fish and other aquatic animals including marine mammals and studies about PFASs in water.

The timeline of these substances started in 1938 and PFASs were first produced in 1940s and 1950s (Wang et al., 2017; Lindstrom et al., 2011) and these substances attracted attention in the research field in 1952, when the first publication about PFASs in LUBsearch appeared. The timeline is lined with discoveries with subsequent research, where research is in principle always one step behind. It seems that disasters such as Kallinge and Ohio, are required to get attention within the research field and among policy makers. 3M reported that PFOA was found in workers in 1978 (Lindstrom et al., 2011), however, health and environmental effects are still not yet fully understood. The disaster in Kallinge in Sweden was discovered in 2013 and 2014 was the year with the highest number of published items per year since 1952 with 279 publications about PFASs (Appendix 1). In the following years, the number of published items per year decreased. However, the publications published in LUBsearch in 2010 and after, were accounted for more than half the number of all published publications.

The results show an increase of published items about PFASs in LUBsearch through time, and the major increase began in the 1990s. However, an increase of published publications over time should be seen in all research areas and disciplines as more articles are generally published in modern time. However, it is still interesting because the results show when the increases occurred and can be linked to historical events and bans. The first publications about PFASs in LUBsearch were about chemical properties, chemical synthesis and the use of PFASs in 1952. After 39 years in 1991, publications about rodents and ecotoxicological studies and

measurements of PFASs in mammals appeared. In the beginning of the 1990s, most studies about animals were about animal testing in laboratories, such as publications about rodents. In the late 1990s, the first publication about studies in soil appeared and in the following years, many environmental studies were seen, such as publications on aquatic organisms, birds, studies of PFAS in water and environmental measurements, PFASs in the Antarctic and Arctic and other wildlife.

Initially, many appeared to have a positive attitude towards the use of PFASs. Several publications have discussed the use of these substances as an effective short-term transfusion option to achieve the long-term goal of producing an entire synthetic, bioengineered blood substitute because they were believed to be non-reactive in the body and could be injected safely into the blood (Lowe, 2003). The company, 3M, was the first to report to EPA that fluorochemicals are widespread in human blood samples (Lindstrom et al., 2011) and the first to take the decision to phase out some of the substances. It is unusual that companies take responsibility and phases out the substances themselves. It may be because their own workers were affected and they felt the pressure from them and their families to take action. In the same time, concentrations of PFASs have been measured in human samples collected from the 1970s and 1980s to present (Sundström et al., 2011; Axmon et al., 2014; Toms et al., 2014; Nøst et al., 2014) and in the environment (van Leeuwen et al., 2006). It seems that when PFASs were discovered in blood samples of workers, in human blood samples from blood banks and in the environment, it became urgent with animal tests, such as tests on rats, rabbits, mice and other mammals, to investigate potential health effects in humans. Therefore, studies with rodents and mammals began to appear in the early 1990s in LUBsearch, however, after a few years, publications about humans also came.

In 2009, PFOS and related compounds were listed under Annex B of the Stockholm Convention on Persistent Organic Pollutants (POPs) in May (Miralles-Marco and Harrad, 2015; Lindstrom et al., 2011). This will hopefully result in the global elimination of production and use of PFOS, PFOA and other PFOS-related substances even if it will require a substantive amount of time, effort, and resources (Wang et al., 2017). A lot of work remains solving the issues related to PFASs. Including these well-known long-chain PFASs, there are more than 3000 PFASs that are, or have been, on the global market (Wang et al., 2017). Because of all the new knowledge it is forbidden to use PFOS, and substances that can be broken down into PFOS, in chemical products and goods, with certain exceptions since 2008 (Livsmedelsverket, 2016a). If the research had already been made more interdisciplinary, it might not have taken so long time before the ban came. To get a holistic perspective and to investigate how these substances affect society and the environment, research should be conducted interdisciplinarily in order not to investigate different research areas at different rates. Additionally, to deepen the fundamental understanding of a problem or to solve problems beyond the focus of an

individual discipline or research area. Many of the publications already belonged to several research areas and disciplines.

Interdisciplinary research seems to be on the rise and since the 1980s research papers have increasingly cited work outside their own disciplines, and the group of paper references pointing to work in other disciplines is increasing both in science and social sciences (van Noorden, 2015). In Sweden, interdisciplinary science has been on the political agenda for decades. In the 1970s, the Research Council (FRN) was created, whose main task was to support the emergence of interdisciplinary research, however, interdisciplinary science did not get any major impact (Wallberg, 2015). Interdisciplinary work is considered crucial among researchers, policymakers and funders and in 2015, the scientific journal *Nature* devoted a whole number of interdisciplinary research and stated that "Interdisciplinary research is on the rise (van Noorden, 2015; Wallberg, 2015). However, the fraction that points to another specialty in the same discipline shows a slight decline (van Noorden, 2015). Many advances in research can only come when experts from two or more research areas collaborate and integrate skills from different disciplines to promote science and resources. There are several different research areas and different specialties in the same field of science that must be combined to understand and get a comprehensive picture of the situation regarding foreign substances in the environment, such as PFASs. The world faces major challenges in areas where several disciplines interact, such as climate, environment, energy and global health (Wallberg, 2015).

Another aspect that also shows that research should be conducted interdisciplinarily, is that it was only after liquid chromatography - mass spectrometry (LC/MS) instrumentation became available in the 1990s that it became possible to measure low concentrations of PFASs, in the low ng/mL range. Allowing for the first time the accurate evaluation of background levels of PFASs in biological and environmental matrices (Lindstrom et al., 2011). Many of the publications in the study concerned this development, already in 1968, evidence of two forms of organic fluorine in human blood was presented (Taves, 1968). In 1976, NMR (Nuclear magnetic resonance) was used to provisionally identify, among other things, PFOA in human blood serum concentrate. The source suspected of blood concentrations was common consumer products that were known to contain PFASs (Taves et al., 1976; Lindstrom et al., 2011).

The substances were discovered in 1938 but it took 72 years before publications about strategies for removal and degrading of PFASs appeared in 2010, because of the problems with the substances in drinking water and in the environment. Since the beginning of the 2000s it was known that these substances are widely distributed in the environment (Kemikalieinspektionen, 2004) but when high levels of PFASs were discovered in the water from Brantafors waterworks in Kallinge in 2013, PFASs had not been measured or analyzed before because they were not included among the substances that were to be analyzed. The discovery of the substances in the water was a result of the enhanced environmental monitoring by the County

Administrative Board and in that time, there were no Swedish limits for PFAS in food or drinking water (Ronneby kommun, 2014). Another example is that these substances have already been detected in human blood in 1998, but it took another six years before the first publications on concentrations in water and the environment occurred. In 2011, the first publications on the management, rules and regulations of PFAS in different countries, such as environmental legislation and limit values.

Finally, the members of the European Union decided to ban several environmentally hazardous substances based on fluoride in 2016 and applies to PFOA and substances that can be transformed into PFOA (Kemikalieinspektionen, 2016). One problem is that some developing regions have taken up the production of substances that have been restricted in other parts of the world, making it more difficult to determine whether progress is being made in reducing global emissions of PFASs (Lindstrom et al., 2011). The usefulness of these substances appears to ensure their continued use for the foreseeable future (Lindstrom, et al., 2011).

The presence of PFOS, PFOA and perfluorohexanesulfonate (PFHxS) in human populations globally and their slow elimination profiles, have led to increased interest in understanding the potential human neonatal exposures of PFASs from consumption of human milk (Sundström et al., 2011). A large part of the research and regulations so far has focused on PFOS and PFOA (Lindstrom et al., 2011) and continues to focus on a limited selection of rather well-known PFASs, especially PFOS, PFOA and their precursors (Wang et al., 2017) and chemical properties of highly fluorinated organic chemicals. Substances which can degrade into PFOS have recently decreased, however, they have sometimes been replaced by other highly fluorinated substances that can slowly be broken down into PFOA (Kemikalieinspektionen, 2015). Therefore, more attention needs to be paid to other PFASs because of risk assessments for most of them are missing (Borg & Håkansson, 2012) and to prevent further spread of these substances. Further attention should be paid to how these substances affect humans and wildlife and to the removal efficiency of drinking water in drinking water treatment plants because drinking water is an exposure route for humans. Highly fluorinated substances are also used in cosmetics (Shah-Kulkarni et al., 2016) and cleaning products such as window cleaning agents and car care products (Kemikalieinspektionen, 2015) and how it affects the environment and human health should also be investigated.

This study shows how the research on PFASs are distributed through time and when these substances first attracted attention in the research community. Also, why different research areas have been examined and when, to get a comprehensive view on the historical research on these substances and show when the increases in publications occurred which can be linked to historical events and bans. A lot of research has been done about PFASs however, there are still gaps in knowledge about these substances, such as distribution in the environment and how humans and animals ultimately become exposed and affected. After the discovery of a new

substance, research on possible uses, possible hazardous effects and doses that may affect the environment, humans and wildlife should be done at the same rate to carry out full risk assessments. Then different research areas will be investigated at the same rate without big knowledge gaps. Monitoring of the presence of PFAS in the environment is ongoing (Banzhaf et al., 2017). The next step is to review scientific studies with environmental measurements and concentrations in humans and wildlife, to learn more about concentrations of the substances in different organisms and in the environment.





## Conclusion

Perfluoroalkyl and polyfluoroalkyl substances (PFASs) were first produced in 1940s and 1950s and these substances attracted attention within the research field 65 years ago, when the first publication about PFASs in LUBsearch appeared. The first publications about PFASs in LUBsearch were about chemical properties, chemical synthesis and the use of PFASs in 1952. After 39 years in 1991, publications about rodents and ecotoxicological studies and measurements of PFASs in mammals appeared. This study shows an increase of published items per year since 1950s and the publications published in 2010 and after, were accounted for more than half the number of all published publications. The disaster in Kallinge was discovered in 2013 and in the next year, the published publications increased and the highest number of publications was published in 2014, however, in the following years the number of published items decreased.

The most common research area on PFASs was the research about chemical properties. Other common research areas were environmental measurements and PFASs in humans. A large part of the research and regulations so far has focused on PFOS and PFOA and continues to focus on a limited selection of well-known PFASs and chemical properties of highly fluorinated organic chemicals. Therefore, more attention needs to be paid to other PFASs and to prevent further spread of these substances. Further attention should be paid to how these substances affect humans and wildlife, the removal strategies for PFASs in drinking water and research about other highly fluorinated substances than PFOS and PFOA. The next step is also to review scientific studies with environmental measurements and concentrations in humans and wildlife, to learn more about concentrations of the substances in different organisms and in the environment.

To get a comprehensive view and to investigate how these substances affect humans and wildlife, research should be conducted interdisciplinary, in order not to investigate different research areas at different rates. Many advances in research can only come when experts from different research areas integrate knowledge from different disciplines to promote science. There are several different research areas and different specialties in the same field of science that must be combined to understand and get a comprehensive picture of the situation regarding foreign substances in the environment, such as PFASs. This study shows an overview of the historical research on PFASs and how potential future environmental pollutants should be handled.



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## Appendix 1

Year	The number of publications
1952	2
1953	1
1954	3
1955	1
1956	0
1957	0
1958	1
1959	0
1960	1
1961	0
1962	1
1963	2
1964	0
1965	0
1966	1
1967	1
1968	1
1969	2
1970	2
1971	2
1972	2
1973	1



1974	5
1975	3
1976	1
1977	2
1978	1
1979	2
1980	0
1981	2
1982	3
1983	1
1984	4
1985	2
1986	3
1987	2
1988	1
1989	6
1990	11
1991	11
1992	9
1993	6
1994	20
1995	25
1996	18
1997	17
1998	15
1999	19
2000	31
2001	32

2002	27
2003	35
2004	48
2005	62
2006	95
2007	96
2008	147
2009	195
2010	194
2011	210
2012	236
2013	242
2014	279
2015	271
2016	198
2017	111

**Figure 5.** The number of publications about PFASs per year since 1950s to the present.



## Appendix 2

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1952	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	4	6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	17	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	22	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1996	14	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1997	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	14	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
1999	18	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2000	27	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
2001	29	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	25	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	30	1	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2004	34	4	2	1	0	2	3	0	2	0	2	0	0	0	0	0	0	0	0
2005	42	3	7	5	2	1	0	0	2	0	5	4	1	0	0	0	0	1	0
2006	61	2	9	5	2	11	3	0	6	0	10	2	0	0	0	0	0	0	0
2007	53	4	5	6	2	10	7	3	10	0	18	1	0	0	0	0	0	0	0
2008	78	9	20	10	4	17	2	2	13	0	29	3	0	1	4	0	0	0	0
2009	90	21	24	10	2	26	7	4	14	0	45	5	0	1	0	0	0	0	0
2010	85	10	22	9	6	29	8	8	21	2	44	5	0	2	0	0	1	0	0
2011	93	9	22	5	2	39	12	8	22	7	52	0	0	2	0	2	0	2	0
2012	90	8	32	12	8	48	8	9	27	2	57	9	0	1	1	1	0	0	0
2013	89	14	27	7	6	62	7	9	22	6	50	4	1	2	1	1	2	1	0
2014	99	12	33	5	3	74	8	15	30	15	52	7	0	5	3	2	2	1	2
2015	93	9	23	11	4	69	4	13	29	10	61	5	0	4	6	2	0	0	0
2016	64	4	18	3	3	55	5	13	29	9	49	4	1	0	1	2	1	0	3
2017	41	3	7	2	0	29	6	8	19	6	31	0	0	1	1	4	0	0	0
Sum	1314	131	255	92	46	473	91	93	246	57	505	51	3	13	17	18	7	6	5

**Figure 6.** The published items per year in all categories: chemical properties (1), rodents (2), aquatic animals (3), birds (4), mammals (5), humans (6), climate impact (7), soil (8), water (9), strategies for removal (10), measurements in the environment (11), PFASs in the Antarctic and Arctic (12), amphibians (13), plants (14), zooplanktons (15), management, rules and regulations for PFASs (16), terrestrial invertebrates (17), reptiles (18), and flies (19) between the years 1952–2017.

## Appendix 3

**Table 3.** The publications included as data and analyzed in the study.

Nr	Title	Year
1	226. The reactions of highly fluorinated organic compounds. Part I. The preparation and reactions of some chloroundecafluorocyclohexanes.	1952
2	916. The reactions of highly fluorinated organic compounds. Part II. Reactions of perfluorodicyclohexyl and perfluoro(isopropyl-cyclohexane)..	1952
3	Dielectric strength of impregnated pressboard.	1953
4	The reactions of highly fluorinated organic compounds. Part V. 1H: 2H-hexafluorocyclobutane and 1H-pentafluorocyclobut-1-ene	1954
5	The reactions of highly fluorinated organic compounds. Part VI. Octafluorocyclohexa-1 : 3- and -1 : 4-diene and difluoromalonic acid..	1954
6	The reactions of highly fluorinated organic compounds. Part VII. 1: 2-dichlorodecafluorocyclohexane and derived compounds.	1954
7	The reactions of highly fluorinated organic compounds. Part VIII. The gas-chromatographic separation on a preparative scale, and some reactions, of 3H- and 4H-nonafluorocyclohexene.	1955
8	Infrared spectra of fluoro-cycloolefines.	1958
9	Aromatic polyfluoro-compounds—V. The preparation of highly fluorinated benzenes by defluorination of polyfluorocyclohex-anes, -enes, and -dienes.	1960
10	Determination of traces of hydrogen in fluoro-organic compounds.	1962
11	Effect of water soluble vitamins and their analogues on the growth of candida albicans. I. Biotin, pyridoxamine, pyridoxine and fluorinated pyrimidines..	1963
12	The synthesis of highly fluorinated compounds by use of potassium fluoride in polar solvents.	1963
13	Chemical composition of embryophoric blocks of Taenia hydatigena, Taenia ovis, and Taenia pisiformis eggs.	1966
14	Highly fluorinated analogues of pharmacologically active compounds.	1967
15	The automatic analysis of highly fluorinated organic materials. A note.	1968
16	Highly fluorinated diazines.	1969
17	Investigation of synthetic routes to highly fluorinated benzo[b]furan compounds (Part I) ; Some fluoride-ion initiated reactions of fluoro-imines (Part II).	1969
18	Rearrangements of substituents in highly substituted fluorinated heterocyclic compounds..	1970
19	Studies in lipid histochemistry..	1970
20	Pericyclic reactions of some highly fluorinated cyclohexa-1,3-dienes and derived compounds.	1971
21	The flammability limits of fluorobenzenes in oxygen and oxygen-nitrogen mixtures.	1971
22	A CNDO/2 approach to electron delocalization in N4S4 and N4S4F4.	1972
23	An improved method for the detection of estrone, estradiol, and estriol in low titer urine.	1972
24	Surface-chemical properties of highly fluorinated compounds containing oxygen in the aliphatic chain.	1973
25	Fluorinated Peroxides	1974
26	Liquid densities from 293 to 490 K of eight fluorinated aromatic compounds.	1974
27	Polyfluorobicyclo(2,2,1)heptanes Part VIII. Bis(undecafluorobicyclo(2,2,1)heptan-1-yl)- and bis(4H-decafluorobicyclo(2,2,1)heptan-1-yl)-mercury.	1974
28	Revised nomenclature for highly fluorinated organic compounds.	1974
29	The thiolate anion as a nucleophile Part III. Reactions with various fluorobenzenes.	1974
30	Gas—liquid chromatography on fluorinated stationary phases . I. Hydrocarbons and fluorocarbons.	1975
31	Highly fluorinated heterocycles. Part XIII. Fluorination of 1-methylpyrrole and some reactions of derived compounds..	1975
32	Non-bond $^1\text{H}$ nuclear spin couplings. I. hexafluoropropene dimers.	1975
33	Nitrogen compounds as high yield precursors to branched fluorocarbons by direct fluorination.	1976
34	Reaction of hydrogen-containing polyfluorinated compounds with phosphorus pentahalides.	1977
35	The solubility of oxygen in highly fluorinated liquids.	1977
36	Effect of fluorinated compounds on the triboelectric-charging property of iron surface.	1978
37	Some studies on highly fluorinated compounds containing nitrogen.	1979
38	The $\beta$ - pentapluorophenylethyl anion (I) ; Reactions of perfluoro-3,4-dimethyl-3-hexene and related compounds (II).	1979
39	Fluorocarbons as oxygen carriers. II. An NMR study of partially or totally fluorinated alkanes and alkenes.	1981
40	Microdetermination of carbon and hydrogen in organofluorine compounds.	1981
41	Effects of intravenous fluorocarbons during and without oxygen enhancement on acute myocardial ischemic injury assessed by measurement of intramyocardial gas tensions.	1982
42	Emulsions of perfluorinated compounds for use in quality control of blood gas analyses.	1982
43	Fluorinations with complex metal fluorides Part 8. Ring rearrangement in the fluorinations of quinoline with caesium tetrafluoroborate and with cobalt(III) fluoride.	1982
44	Highly fluorinated heterocycles. Part XVII. Chlorinations of 1-methylpolyfluoropyrrolidines and reactions of derived products.	1983
45	$^{19}\text{F}$ -NMR study of fluorinated corticosteroids.	1984
46	Fatty acid composition in native and cultured human endothelial cells	1984
47	Special features of polymerization of some perfluorinated aromatic and alicyclic compounds in glow discharge.	1984
48	The usefulness of optically active perfluorinated compounds.	1984
49	Characterization of fatty acid synthetase cDNA clone and its mRNA.	1985
50	Fluoroaromatic derivatives. CII. Oxidation of fluorinated benzilidene anilines with peracids.	1985
51	Chemistry of novel fluorinated alkenes.	1986

52	Fluids for high temperature heat pumps.	1986
53	New routes to highly fluorinated ethers.	1986
54	In vitro and in vivo antiviral activity of 2'-fluorinated arabinosides of 5-(2-haloalkyl)uracil.	1987
55	Participation of peroxisomes in the metabolism of xenobiotic acyl compounds: comparison between peroxisomal and mitochondrial $\beta$ -oxidation of $\omega$ -phenyl fatty acids in rat liver.	1987
56	Some new approaches to modifying aromatic and heteroaromatic compounds by means of fluorine-containing substituents.	1988
57	Fluorinated anions.	1989
58	Free-radical approaches to new fluorocarbon derivatives.	1989
59	Graphite fluorides: An XPS study of a new type of C-F bonding.	1989
60	New routes to novel organofluorine compounds.	1989
61	Physicochemical properties of 1,2-bis(F-alkyl)ethenes studied by CW-ESR.	1989
62	The radiation degradation of polytetrafluoroethylene resulting in low-molecular and functionalized perfluorinated compounds.	1989
63	Cluster-Assisted Decomposition Reactions of the Molecular Anions of SF <sub>6</sub> and C <sub>7</sub> F <sub>14</sub> .	1990
64	Current balance of the electrochemical fluorination of a trialkylamine.	1990
65	MASS-SPECTROMETRIC STUDY OF THE PYROLYSIS OF PERFLUORINATED COMPOUNDS OF COMPOSITION C <sub>6</sub> F <sub>12</sub> C <sub>9</sub> F <sub>20</sub> , CONTAINING PERFLUOROISOPROPYL GROUPS.	1990
66	NUCLEOPHILIC TRIFLUOROMETHYLATION OF PERFLUORINATED COMPOUNDS.	1990
67	On polyfluorinated, HF soluble compounds formed during the electrochemical fluorination of dibutylmethylamine.	1990
68	Preparation and biological evaluation of 18F-labeled benzamide analogs as potential dopamine D2 receptor ligands.	1990
69	Reaction pathways for biodehalogenation of fluorinated anilines..	1990
70	Transfer of an organofluorine fragment from CF <sub>2</sub> -CFSi(CH <sub>3</sub> ) and CFCISi(CH <sub>3</sub> ) to unsaturated perfluorinated compounds catalyzed by cesium fluoride..	1990
71	Transfer of an organofluorine fragment from CF <sub>2</sub> -CFSi(CH <sub>3</sub> ) <sub>3</sub> and CFCI <sub>2</sub> Si(CH <sub>3</sub> ) <sub>3</sub> to unsaturated perfluorinated compounds catalyzed by cesium fluoride.	1990
72	TRANSFER OF AN ORGANOFLUORINE FRAGMENT FROM CF <sub>2</sub> -CFSi(CH <sub>3</sub> ) <sub>3</sub> AND CFCI <sub>2</sub> Si(CH <sub>3</sub> ) <sub>3</sub> TO UNSATURATED PERFLUORINATED COMPOUNDS CATALYZED BY CESIUM FLUORIDE.	1990
73	Vibrational spectra of polyfluoroaromatic compounds.	1990
74	Characteristics of induction of peroxisomal fatty acid oxidation-related enzymes in rat liver by drugs. Relationships between structure and inducing activity.	1991
75	CHARACTERISTICS OF PEROXISOME PROLIFERATION - COINDUCTION OF PEROXISOMAL FATTY-ACID OXIDATION-RELATED ENZYMES WITH MICROSOMAL LAURATE HYDROXYLASE.	1991
76	DIRECT ELECTROPHILIC FLUORINATION OF TYROSINE IN DERMOPHIN ANALOGS AND ITS EFFECT ON BIOLOGICAL-ACTIVITY, RECEPTOR AFFINITY AND SELECTIVITY.	1991
77	EFFECT OF METAL-ORGANIC COMPOUNDS ON THIOPHENE HYDRODESULFURIZATION OVER SULFIDED FORMS OF FLUORIDE-CONTAINING COMO/AL <sub>2</sub> O <sub>3</sub> CATALYSTS.	1991
78	ELECTROCHEMICAL-BEHAVIOR OF A ZINC ELECTRODE IN 8M KOH UNDER PULSED POTENTIAL LOADING.	1991
79	PERFLUORINATED ANALOGS OF POISON-IVY ALLERGENS - SYNTHESIS AND SKIN TOLERGENIC ACTIVITY IN MICE.	1991
80	PFA concrete mix design for the 1990s.	1991
81	PROPERTIES OF HIGH-THRESHOLD MECHANORECEPTORS IN THE ORAL-MUCOSA. 1. RESPONSES TO DYNAMIC AND STATIC PRESSURE.	1991
82	Short-term exposure to the peroxisome proliferators, perfluorooctanoic acid and perfluorodecanoic acid, causes significant increase of 8-hydroxydeoxyguanosine in liver DNA of rats.	1991
83	THE OPIOID ACTIVITY AND RECEPTOR SELECTIVITY OF FLUORINATED LEU5 ENKEPHALIN ANALOGS INVITRO AND INVIVO.	1991
84	The synthesis and polymerisation of some conjugatively extended pxylenes.	1991
85	ARIANEXPERT: A knowledge based system to analyze ARIANE's mission data.	1992
86	Attenuation of the effects of chronic ethanol administration in the brain lipid content of the developing rat by an oil enriched in gamma linolenic acid..	1992
87	ELECTROLYTIC PARTIAL FLUORINATION OF ORGANIC-COMPOUNDS 4. REGIOSELECTIVE ANODIC MONOFLUORINATION OF 4-THIAZOLIDINONES AND ITS APPLICATION TO THE SYNTHESIS OF MONOFLUORO BETA-LACTAMS.	1992
88	ELECTRON-SPIN-RESONANCE STUDY OF WATER FINELY DISPERSED IN PERFLUORINATED POLYMERS AND OF THEIR MICELLAR SOLUTIONS.	1992
89	Highly fluorinated tetrazanes and other poly nitrogen compounds.	1992
90	IMPROVEMENT IN EMULSIFICATION EASE, PARTICLE-SIZE REDUCTION AND STABILIZATION OF CONCENTRATED FLUOROCARBON EMULSIONS BY SMALL AMOUNTS OF (D-GLUCOSYL)[2-(PERFLUOROALKYL)ETHYL] PHOSPHATES AS SURFACTANTS.	1992
91	Improvement in emulsification particle size reduction and stabilization of concentrated fluorocarbon emulsions by small amounts of (d-glucosyl)[2-(perfluoroalkyl)ethyl] phosphates as surfactants.	1992
92	SELECTIVE REDUCTION OF SATURATED PERFLUOROCARBONS.	1992
93	Synthesis and bioacceptability of fluorinated surfactants derived from F-alkylated tertiary amines.	1992
94	Haloge-substituted trimetoquinol analogs as thromboxane A2 receptor antagonists in platelets and aorta.	1993
95	Highly fluorinated fullerenes as oxidizers and fluorinating agents.	1993
96	Reactions of perfluorinated compounds with ethers: Evidence for gas-phase cationic polymerization.	1993
97	Silylated compounds as transfer reagents with active carbon-chlorine, carbon-fluorine, or...	1993
98	Synthesis of some fluorinated nitrogen heterocycles from (diethylaminomethylene)hexafluoroacetylacetone (DAMFA).	1993
99	THE SYNTHESIS AND TRANSITION-TEMPERATURES OF SOME DIFLUORO-SUBSTITUTED CYCLOHEXANES.	1993
100	A new cyclic fluorinated trisulfone (CF <sub>2</sub> SO <sub>2</sub> ) <sub>3</sub> and fluorinated derivatives: SO <sub>2</sub> (CF <sub>2</sub> SO <sub>2</sub> F) <sub>2</sub> , CF <sub>2</sub> (SO <sub>2</sub> CF <sub>3</sub> ) <sub>2</sub> , CF <sub>3</sub> SO <sub>2</sub> CF <sub>2</sub> SO <sub>2</sub> F, CF <sub>2</sub> (SO <sub>2</sub> F) <sub>2</sub> and CF <sub>3</sub> SO <sub>2</sub> CF <sub>2</sub> SO <sub>2</sub> CF <sub>2</sub> SO <sub>2</sub> F.	1994
101	A NEW REACTIVE SYSTEM FOR CATALYTIC BIS-SILYLATION OF ACETYLENES AND OLEFINS.	1994
102	Alkyl and perfluoroalkyl glycolipid-based supramolecular assemblies.	1994
103	Antimicrobial activity of fluorinated 1,2-benzisothiazol-3(2H)-ones and 2,2'-dithiobis(benzamides).	1994
104	Electrolytic partial fluorination of organic compounds. 13. Selective anodic $\alpha$ -fluorination of nitrogen-containing heterocyclic sulfides and its application to the synthesis of fluorinated fused heterocycles.	1994
105	ELECTROLYTIC PARTIAL FLUORINATION OF ORGANIC-COMPOUNDS 13. SELECTIVE ANODIC ALPHA-FLUORINATION OF NITROGEN-CONTAINING HETEROCYCLIC SULFIDES AND ITS APPLICATION TO THE SYNTHESIS OF FLUORINATED FUSED HETEROCYCLES.	1994
106	Fluorinated bonded stationary phases in micellar liquid chromatography.	1994
107	Fluorine NMR of proteins.	1994
108	Fluorocarbon-hydrocarbon interactions in micelles and other lipid assemblies, at interfaces, and in solutions.	1994
109	Novel perfluorinated dienes.	1994
110	Nucleophilic substitution and cyclisation reactions of some polyfluoro-heteroaromatic and polyfluoroaromatic compounds.	1994
111	On 2PFAs and the Hadamard quotient of formal power series..	1994
112	On the formation and crystal structures of $\alpha,\omega$ -perfluoro-dimorpholinoalkanes.	1994
113	ON THE FORMATION AND CRYSTAL-STRUCTURES OF ALPHA-OMEGA-PERFLUORODIMORPHOLINOALKANES.	1994
114	Parallel finite automata for modeling concurrent software systems.	1994
115	Polyhalogenated and perfluorinated compounds that disobey the Meyer-Overton hypothesis.	1994
116	Properties of fluorinated non-ionic surfactant-based systems and comparison with non-fluorinated systems.	1994
117	The minimal metabolism of inhaled 1,1,1,2-tetrafluoroethane to trifluoroacetic acid in man as determined by high sensitivity 19F nuclear magnetic resonance spectroscopy of urine samples.	1994
118	THE MINIMAL METABOLISM OF INHALED 1,1,1,2-TETRAFLUOROETHANE TO TRIFLUOROACETIC-ACID IN MAN AS DETERMINED BY HIGH-SENSITIVITY F-19 NUCLEAR-MAGNETIC-RESONANCE SPECTROSCOPY OF URINE SAMPLES.	1994
119	The tripartite DNA element responsible for diet-induced rat fatty acid synthase (FAS) regulation.	1994
120	2-DIMENSIONAL C-13, F-19 NMR CORRELATION SPECTROSCOPY.	1995
121	A study of the surface composition and structure of fluorinated Mg-based alloys.	1995
122	BIO-SYNTHESIS OF FLUORINATED SECONDARY METABOLITES BY STREPTOMYCES-CATTELEYA.	1995
123	Copper(I) carbonyl complex of a trifluoromethylated tris(pyrazolyl)borate ligand.	1995
124	Cyclic and bicyclic polyfluoro-alkanes and -alkenes.	1995
125	Demonstrating a lack of reactivity using a teflon-coated pan.	1995

126	Destabilization of fluoro imino and fluoro oxy compounds.	1995
127	Determination of emissions and evaluation of abatement equipment for selected semiconductor processes.	1995
128	ELECTROLYTIC PARTIAL FLUORINATION OF ORGANIC-COMPOUNDS .18. ELECTROSYNTHESIS OF 4,4-DIMETHYL-2-ETHOXYCARBONYL-5-FLUORO-3-THIOLANONES - HIGHLY POTENT HUMAN TYPE-II PLA(2) INHIBITORS.	1995
129	ELECTROLYTIC PARTIAL FLUORINATION OF ORGANIC-COMPOUNDS .19. A NOVEL SYNTHESIS OF FLUOROTHIENO[2,3-B]PYRIDINES USING ANODIC FLUORINATION OF HETEROCYCLIC SULFIDES AS A KEY STEP.	1995
130	FLUORINATED O-AMINOPHENOL DERIVATIVES FOR MEASUREMENT OF INTRACELLULAR PH.	1995
131	FLUORINATED PHOSPHOCHOLINE-BASED AMPHIPHILES AS COMPONENTS OF FLUOROCARBON EMULSIONS AND FLUORINATED VESICLES.	1995
132	HIGHLY SELECTIVE FLUORINATING AGENTS - A COUNTERANION-BOUND N-FLUOROPYRIDINIUM SALT SYSTEM.	1995
133	INTERACTION OF LOW-ENERGY ELECTRONS WITH GASEOUS AND CONDENSED PERFLUORO COMPOUNDS.	1995
134	PALLADIUM-CATALYZED DISILANE METATHESIS REACTIONS OF 1,2-DISILACYCLOBUTANES.	1995
135	PARAMAGNETIC PROBES FOR THE INVESTIGATION OF ORDERED AND DISORDERED PERFLUOROSURFACTANTS, PERFLUOROPOLYETHERS AND PERFLUORINATED IONOMERS.	1995
136	PERFLUOROARYL AND POLYFLUOROARYL MONOSILOXANES AND DISILOXANES AS TRANSFER REAGENTS IN THE SYNTHESIS OF HIGHLY FLUORINATED MONOETHERS AND DIETHERS.	1995
137	Properties and characteristics of fluorinated hydriding alloys.	1995
138	Regular paper: Structural determination of fluoro-organic mixtures by 19F COSY NMR spectroscopy.	1995
139	Structural determination of fluoro-organic mixtures by F-19 COSY NMR spectroscopy.	1995
140	Surface and metallographic microstructure of the La-added AB(2) compound (Ti, Zr)(Mn, Cr, Ni)(2).	1995
141	THERMODYNAMIC PROPERTIES OF AQUEOUS SOLUTIONS OF PERFLUORINATED IONIC SURFACTANTS.	1995
142	Two-dimensional 13C19F NMR correlation spectroscopy.	1995
143	UNUSUAL ORIENTATIONAL BEHAVIOR OF LIQUID-CRYSTALS - INVESTIGATION OF THE EFFECT OF DIPOLAR INTERACTIONS ON THE FERROELECTRIC PROPERTIES.	1995
144	Zero-ODP Rigid Insulation Foams Prepared with HFAs.	1995
145	Air entrainment in fresh concrete with PFA.	1996
146	First synthesis of a binuclear [Mn-II(bipy)-Fe-III(porphyrin)] complex: Spectroscopic characterization and first evidence of reversible formation of manganese(III) as manganese peroxidase.	1996
147	Fluorine reactivity with graphite and fullerenes. fluoride derivatives and some practical electrochemical applications.	1996
148	Fluoroacetate-Mediated Toxicity of Fluorinated Ethanes	1996
149	Gas-phase reactivity of lanthanide cations with fluorocarbons: C-F versus C-H and C-C bond activation.	1996
150	Highly carbon dioxide soluble surfactants, dispersants and chelating agents.	1996
151	Perfluorofullerenes: Characterization and structural aspects.	1996
152	Polyfluorinated tris(pyrazolyl)borates. Syntheses and spectroscopic and structural characterization of group 1 and group 11 metal complexes of [HB(3,5-(CF3)(2)Pz)(3)](-) and [HB(3-(CF3)Pz)(3)](-).	1996
153	Present and future environmental "problems" with SF/sub 6/ and other fluorinated gases.	1996
154	Strategies for greenhouse gas reduction.	1996
155	Synthesis and characterization of copper(II), zinc(II), and potassium complexes of a highly...	1996
156	Synthesis and spectroscopic study of fluorinated fullerene, C60.	1996
157	Synthesis and toxicity of 1,2-bis(trifluoromethoxy)-1,1,3,3-pentafluoropropane.	1996
158	Synthesis of alpha-fluorinated-alpha,alpha-difunctionalized sulfides and sulfones.	1996
159	Synthesis of alpha-fluorinated-alpha,alpha-difunctionalized sulfides and sulfones.	1996
160	The chemistry of highly fluorinated carbocations.	1996
161	The role of electrostatic effects in organic chemistry.	1996
162	The synthesis and properties of some well-defined fluorinated polymers.	1996
163	An efficient method for alpha-monofluorination of carbonyl compounds with molecular fluorine: Use of alpha-hydroxymethylene substituent as directing and activating groups.	1997
164	Comparison of fiberglass and other polymeric well casings, Part I: Susceptibility to degradation of chemicals.	1997
165	Conformational analysis of the complete series of 2' and 3' monofluorinated dideoxynucleotides.	1997
166	Direct aromatic fluoroalkylations of poly(p-phenylene) with fluoroalkanyl peroxides: an approach to highly soluble fluorinated conducting polymers.	1997
167	Electrolytic partial fluorination of organic compounds .22. Highly regioselective anodic monofluorination of oxindole and 3-oxo-1,2,3,4-tetrahydroisoquinoline derivatives: Effects of supporting fluoride salts and anode materials.	1997
168	Electrolytic partial fluorination of organic compounds. 24. Highly regioselective anodic monofluorination of 2-benzothiazolyl and 5-chloro-2-benzothiazolyl sulfides.	1997
169	Extraction of a hydrophilic compound from water into liquid CO2 using dendritic surfactants.	1997
170	Fluorous synthesis: Fluorous protocols for the Ugi and Biginelli multicomponent condensations.	1997
171	Highly stereoselective route to aldol products incorporating fluorine-containing methyl groups starting from a single D-glucose-derived intermediate.	1997
172	ORIGINAL ARTICLES: Fluticasone Propionate Aqueous Nasal Spray in the Treatment of Nasal Polyposis.	1997
173	Photoluminescence from fluorinated fullerene C60F <sub>x</sub> (x < 48) thin films.	1997
174	Probes for narcotic receptor mediated phenomena .23. Synthesis, opioid receptor binding, and bioassay of the highly selective delta agonist (+)-4-[(alpha R)-alpha-(2S,5R)-4-allyl-2,5-dimethyl-1-piperazinyl]-3-methoxybenzyl]-N,N-diethylbenzamide (SNC 80) and related novel nonpeptide delta opioid receptor ligands.	1997
175	Study of CF4, C2F6, SF6 and NF3 decomposition characteristics and etching performance in plasma state.	1997
176	Sulfonyl-containing eight-membered rings varying in ring conformation in oxysphoranes. Hexacoordination vs pentacoordination.	1997
177	Supercritical fluid extraction of acetic acid, alcohols and other amphiphiles from acid-water mixtures.	1997
178	The preparation and properties of polyfluoro aromatic and heteroaromatic compounds.	1997
179	The spectroscopy of hexafluoroacetone, a blue gas.	1997
180	A positive-working photosensitive alkaline-developable polyimide with a highly dimensional stability and low dielectric constant based on poly(amic acid) as a polyimide precursor and diazonaphthoquinone as a photosensitive compound.	1998
181	Alkylation of benzene with propylene catalyzed by fluorinated alumina.	1998
182	Electrochemical synthesis of polyfluorinated compounds with functional groups.	1998
183	Evaluation of trifluoroacetic anhydride as an alternative plasma enhanced chemical vapor deposition chamber clean chemistry.	1998
184	Highly soluble anthraquinone dyes with CF3-groups for guest-host liquid crystal displays.	1998
185	Hydrophilic model drug delivery from concentrated reverse emulsions.	1998
186	New organo-Lewis acids. Tris (beta-perfluoronaphthyl)borane (PNB) as a highly active cocatalyst for metallocene-mediated Ziegler-Natta alpha-olefin polymerization.	1998
187	On the incinerability of highly fluorinated organic compounds.	1998
188	Plasma etching of dielectric films using the non-global-warming gas CF3I.	1998
189	Polyfluorinated compounds via free-radical reactions of alcohols and diols.	1998
190	Satisfaction with Custody Mediation: Results from the York County Custody Mediation Program.	1998
191	Somatotropin-dependent decrease in fatty acid synthase mRNA abundance in 3T3-F442A adipocytes is the result of a decrease in both gene transcription and mRNA stability..	1998
192	Study of substituent effects on the photoconductivity of soluble 2,(3)- and 1,(4)-substituted phthalocyaninato- and naphthalocyaninatotitanium(IV) oxides.	1998
193	Synthesis of perfluoroalkyl-substituted aryl bromides and their purification over fluorous reverse phase silica.	1998
194	The purification of perfluorinated compounds for commercial use.	1998
195	Degradation of 4-fluorobiphenyl in soil investigated by 19F NMR spectroscopy and 14C radiolabelling analysis.	1999
196	Electrolytic partial fluorination of organic compounds. 30. Drastic improvement of anodic monofluorination of 2-substituted 1,3-oxathiolan-5-ones using the novel fluorine source Et4NF center dot 4HF.	1999
197	Electrolytic partial fluorination of organic compounds. 35. Anodic fluorination of 2-pyrimidyl, 2-pyridyl, and 2-quinazolinonyl sulfides.	1999
198	Engineered porosity via tape casting, lamination and the percolation of pyrolyzable particulates.	1999
199	Highly fluorinated monomers precursors of side-chain liquid crystalline polysiloxanes.	1999
200	Highly fluorinated sulfonium enolates.	1999



201	Highly fluorinated thermotropic liquid crystals: an update.	1999
202	Influence of the introduction of fluorine atoms on the C-13 NMR spectra of acrylic esters.	1999
203	Model of point-of-use plasma abatement of perfluorinated compounds with an inductively coupled plasma.	1999
204	Photosensitive polyimide-precursor based on polyisoimide: dimensionally stable polyimide with a low dielectric constant.	1999
205	Preparation and characterization of nonpolar fluorinated carbosilane dendrimers by APCL mass spectrometry and small-angle X-ray scattering.	1999
206	Radioysis of n-perfluoroalkanes and polytetrafluoroethylene.	1999
207	Release of a model molecule from highly concentrated fluorinated reverse emulsions - Influence of composition variables and temperature.	1999
208	Research on commercial fluorinated compounds.	1999
209	Structure-reactivity correlations of excited states of perfluorinated compounds: A time resolved Raman study.	1999
210	Synthesis and electrochemical studies of a series of fluorinated dodecaphenylporphyrins.	1999
211	Synthesis and molecular properties of zwitterionic adducts of TCNQ and other related compounds.	1999
212	Synthesis of a complete series of C-4 fluorinated Phe-Gly mimetics.	1999
213	Synthesis of perfluoroalkylated $\beta$ -alanine and some peptide derivatives: An access to original surfactants.	1999
214	Development of an analytical system for the determination of highly fluorinated compounds in air samples.	2000
215	Electrochemical behavior of graphite highly fluorinated by high oxidation state complex fluorides and elemental fluorine.	2000
216	Electrolytic partial fluorination of organic compounds. Part 34. Regioselective anodic fluorination of benzyl thiocyanate and its derivatives.	2000
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462	Concentrations of perfluorooctanesulfonamides in Canadian total diet study composite food samples collected between 1992 and 2004	2006
463	Determination of fluorotelomer alcohols by liquid chromatography/tandem mass spectrometry in water	2006
464	Development of ultraviolet LED devices containing europium (III) complexes in fluorescence layer.	2006
465	Development of ultraviolet LED devices containing europium(III) complexes in fluorescence layer	2006
466	Dramatic Acceleration of Olefin Epoxidation in Fluorinated Alcohols: Activation of Hydrogen Peroxide by Multiple H-Bond Networks.	2006
467	Effects of fluorination in the ring of zinc tetraphenylporphyrin on its gas-response to volatiles at room temperature	2006
468	Efficient optical materials based on fluorinated-polymeric silica aerogels	2006
469	Electronic communication and negative binding cooperativity in diborylated bithiophenes	2006
470	Enantioselective synthesis of methyl-5(R)-fluorohept-6-ynoate	2006
471	Endocrine disruptors - Challenges for environmental research in the 21st century	2006
472	Enhanced activity and selectivity in cyclohexane autoxidation by inert H-bond acceptor catalysts.	2006
473	Estrogen-like properties of fluorotelomer alcohols as revealed by mcf7 breast cancer cell proliferation..	2006
474	Experimental and theoretical structure characterization of two isoniazid derivatives: 2,4-Difluoro-N'-isonicotinoylbenzohydrazide and 2,4-dichloro-N'-isonicotinoylbenzohydrazide hydrochloride.	2006
475	Fine structure and phase transition behavior of fluorinated comb copolymers	2006
476	First Stereospecific Synthesis of (E)- or (Z)- $\alpha$ -Fluoroenones via a Kinetically Controlled Negishi Coupling Reaction.	2006
477	Fluorinated beta-diketones for the extraction of lanthanide ions: Photophysical properties and hydration numbers of their Eu-III complexes	2006
478	Fluorinated emulsions: Templates for the direct preparation of macroporous-mesoporous silica with a highly ordered array of large mesopores	2006
479	Fluoropropanoates as dienophiles in the Diels-Alder reaction	2006
480	Fluorous Compounds and Their Role in Separation Chemistry.	2006
481	Foaming polystyrene with a mixture of CO <sub>2</sub> and ethanol	2006
482	Formation and structure of organized molecular films for fluorinated comb copolymers	2006
483	Gene expression profiles in rat liver treated with perfluorooctanoic acid (PFOA)	2006
484	Generation of Detectable Singlet Aryl Cations by Photodehalogenation of Fluoroquinolones.	2006
485	Health Risks in Infants Associated with Exposure to Perfluorinated Compounds in Human Breast Milk from Zhoushan, China.	2006
486	Highly enantioselective fluorination reactions of $\beta$ -ketoesters and $\beta$ -ketophosphonates catalyzed by chiral palladium complexes	2006
487	Highly fluorinated compounds induce phase separation in, and nanostructuring of liquid media. Possible impact on, and use in chemical reactivity control.	2006
488	Highly functionalised fused heterocycle synthesis from fluoropyridines.	2006
489	Interaction of solid organic acids with carbon nanotube field effect transistors	2006
490	Interactions in developmental toxicology: Concurrent exposure to perfluorooctane sulfonate (PFOS) and stress in pregnant mice	2006
491	Interest of fluorine-19 nuclear magnetic resonance spectroscopy in the detection, identification and quantification of metabolites of anticancer and antifungal fluoropyrimidine drugs in human biofluids.	2006
492	Interplay of structure and reactivity in a most unusual furan Diels-Alder reaction	2006
493	Is fish a major source of fluorinated surfactants and repellents in humans living on the Baltic coast?	2006
494	Kinetics and mechanism of atmospheric reactions of partially fluorinated alcohols.	2006
495	Leftovers may explain perfluorinated compound puzzle.	2006
496	Method optimization for determination of selected perfluorinated alkylated substances in water samples.	2006
497	Molecular mechanics (MM4) study of fluorinated hydrocarbons	2006
498	Neurochemical targets and behavioral effects of organohalogen compounds: an update.	2006
499	New functionalized, differently fluorinated building-blocks via Michael addition to $\gamma$ -fluoro- $\alpha$ -nitroalkenes.	2006
500	Novel organofluorine chemistry : nucleophilic fluorinating agents and potential anticancer compounds	2006
501	Novel synthesis of (Z)-difluoroacrylates via a highly stereoselective addition-elimination reaction	2006
502	Occurrence of perfluoroalkyl surfactants in water, fish, and birds from New York State.	2006
503	Organosoluble, Low-Colored Fluorinated Polyimides Based on 1,1-Bis[4-(4-amino-2-trifluoromethylphenoxy)phenyl]-1-phenyl-2,2,2-trifluoroethane.	2006
504	Perfluorinated chemicals in blood.	2006
505	Perfluorinated chemicals in relation to other persistent organic pollutants in human blood.	2006
506	Perfluorinated chemicals in relation to other persistent organic pollutants in human blood.	2006
507	Perfluorinated compounds in streams of the Shihwa Industrial Zone and Lake Shihwa, South Korea.	2006
508	Perfluorinated compounds in the Great Lakes	2006
509	Perfluorinated contaminants in sediments and aquatic organisms collected from shallow water and tidal flat areas of the Ariake Sea, Japan: Environmental fate of perfluorooctane sulfonate in aquatic ecosystems.	2006
510	Perfluorinated Surfactants in Surface and Drinking Waters.	2006
511	Perfluorooctanesulfonate and perfluorooctanoate in red panda and giant panda from China	2006
512	Perfluorooctanesulfonate and related fluorochemicals in albatrosses, elephant seals, penguins, and Polar Skuas from the Southern Ocean	2006
513	Perfluorooctanesulfonate and related fluorochemicals in biological samples from the north coast of Colombia.	2006
514	Perfluorooctanesulfonate and Related Fluorochemicals in Human Blood Samples from China.	2006
515	Persistent perfluorinated acids in seafood collected from two cities of China	2006
516	Pharmacokinetics and acute lethality of perfluorooctanesulfonate (PFOS) to juvenile mallard and northern bobwhite	2006
517	Predicting the Partitioning Behavior of Various Highly Fluorinated Compounds.	2006
518	PRELIMINARY LISTS OF PFOS, PFAS, PFOA AND RELATED COMPOUNDS AND CHEMICALS THAT MAY DEGRADE TO PFOA.	2006
519	Preparation and spectroscopic properties of chlorofullerenes C <sub>60</sub> Cl <sub>24</sub> , C <sub>60</sub> Cl <sub>28</sub> , and C <sub>60</sub> Cl <sub>30</sub> .	2006
520	Preparation of silver nanoparticles via reduction of a highly CO <sub>2</sub> -soluble hydrocarbon-based metal precursor	2006
521	Profiling of structurally labile oxylipins in plants by in situ derivatization with pentafluorobenzyl hydroxylamine.	2006

522	Sequential desymmetrization-fluorination: Enantioselective synthesis of fluorinated cyclitols	2006
523	Solid state NMR studies of covalent graphite fluorides (CP)(n) and (C2F)(n)	2006
524	Structure and dynamics of perfluoroalkane/beta-cyclodextrin inclusion compounds as studied by solid-state F-19 MAS and H-1 -> F-19 CP/MAS NMR spectroscopy	2006
525	Struggle for quality in determination of perfluorinated contaminants in environmental and human samples.	2006
526	Switching Philicity.	2006
527	Syntheses and evaluation of fluorinated conformationally restricted analogues of GABA as potential inhibitors of GABA aminotransferase	2006
528	Syntheses of Highly Fluorinated 1,3,5-Triazapentadienyl Ligands and Their Use in the Isolation of Copper(I)—Carbonyl and Copper(I)—Ethylenic Complexes.	2006
529	Synthesis and characterization of novel lacZ gene reporter molecules: Detection of beta-galactosidase activity by F-19 nuclear magnetic resonance of polyglycosylated fluorinated vitamin B-6	2006
530	Synthesis and crystal structure of 1,2,4-trifluoro-3,5,6-tris(triisopropylsilyl)benzene	2006
531	Synthesis and properties of novel fluorinated ester substituted polythiophenes	2006
532	Synthesis of highly electrophilic fluorinated alkenyl phosphonates as new precursors of heterocyclic compounds	2006
533	Synthesis of highly fluorinated poly(arylene ether)s copolymers for proton exchange membrane materials	2006
534	Temporal Trends of Perfluoroalkyl Contaminants in Polar Bears ( <i>Ursus maritimus</i> ) from Two Locations in the North American Arctic, 1972-2002	2006
535	The chemistry of highly fluorinated compounds.	2006
536	The functionalisation of 2-azanorbornanes and approaches to novel epidatidine analogues	2006
537	The Origin of Stable Halogenated Compounds in Volcanic Gases.	2006
538	ToF-SIMS and AFM studies of low-k dielectric etching in fluorocarbon plasmas .	2006
539	Toxicology of fluoroacetate: a review, with possible directions for therapy research	2006
540	Tribological properties of low-temperature graphite fluorides. Influence of the structure on the lubricating performances	2006
541	What is so special about the sorption behavior of highly fluorinated compounds?	2006
542	Where Is the Limit of Highly Fluorinated High-Oxidation-State Osmium Species?	2006
543	Vibrational spectroscopy of perfluoropropionic acid in the region between 1000 and 11000cm <sup>-1</sup> .	2006
544	A donor-acceptor dyad with a highly Lewis acidic boryl group	2007
545	A novel, one-pot synthesis of novel 3F, 5F, and 8F aromatic polymers	2007
546	Amphiphilic perfluoroalkylated sulfones and sulfonate betaines	2007
547	An improved method for the analysis of volatile polyfluorinated alkyl substances in environmental air samples.	2007
548	Analysis of per- and polyfluorinated alkyl substances in air samples from Northwest Europe	2007
549	Analysis of per- and polyfluorinated alkyl substances in air samples from Northwest EuropeElectronic supplementary information (ESI) available: Improvements in the method over the study period, a Figure showing chromatograms of PFOS and PFOA in a Kjeller air sample and the matching field blank and 6 Tables containing further information about sampling, analysis and air concentrations.	2007
550	Analysis of structure-cytotoxicity in vitro relationship (SAR) for perfluorinated carboxylic acids	2007
551	Atmospheric Chemistry of Canadian Perfluorinated Aldehydes: Dissociation Kinetics of CnF2n+1CO Radicals.	2007
552	Bioaccumulation of per- and polyfluorinated alkyl substances (PFAS) in selected species from the Barents Sea food web	2007
553	Chapter 2 Emission, Contamination and Exposure, Fate and Transport, and National Management Strategy of Persistent Organic Pollutants in South Korea	2007
554	Comparison of human whole blood, plasma, and serum matrices for the determination of perfluorooctanesulfonate (PFOS), perfluorooctanoate (PFOA), and other fluorochemicals	2007
555	Conformational and Configurational Dynamics of a Highly Fluorinated Hydrazone.	2007
556	Dearomatizing anionic cyclization and novel skeletal rearrangement: High yield formation of multiply substituted bicyclic or polycyclic spirocyclopentadienes and phenanthrene derivatives from 4-aryl 1-lithio-1,3-butadienes	2007
557	Degradation of gamma-irradiated linear perfluoroalkanes at high	2007
558	Degradation of gamma-irradiated linear perfluoroalkanes at high dosage	2007
559	Determination of perfluorinated compounds in wastewater and river water samples by mixed hemimicelle-based solid-phase extraction before liquid chromatography-electrospray tandem mass spectrometry detection	2007
560	Determination of perfluorinated compounds in water samples by high performance liquid chromatography-electrospray tandem mass spectrometry	2007
561	Determination of trace levels of total fluorine in water using combustion ion chromatography for fluorine: A mass balance approach to determine individual perfluorinated chemicals in water	2007
562	Development and application of a simplified sampling method for volatile polyfluorinated alkyl substances in indoor and environmental air	2007
563	Dietary exposure of Canadians to perfluorinated carboxylates and perfluorooctane sulfonate via consumption of meat, fish, fast foods, and food items prepared in their packaging	2007
564	Differences in the isomer composition of perfluorooctanesulfonyl (PFOS) derivatives	2007
565	Dissociative scattering of hyperthermal energy CF3+ ions from modified surfaces.	2007
566	Distribution of perfluorinated compounds in surface seawaters between Asia and Antarctica	2007
567	Effect of fluorotelomer alcohol chain length on aqueous solubility and sorption by soils	2007
568	Effect of potassium perfluorooctanesulfonate, perfluorooctanoate and octanesulfonate on the phase transition of dipalmitoylphosphatidylcholine (DPPC) bilayers	2007
569	Effects of surface fluorination of TiO2 on photocatalytic oxidation of gaseous acetaldehyde	2007
570	Electron capture atmospheric pressure photoionization mass spectrometry: analysis of fullerenes, perfluorinated compounds, and pentafluorobenzyl derivatives	2007
571	Elemental fluorine in organic chemistry (1997-2006)	2007
572	Emissions from cooking microwave popcorn	2007
573	Enantioselective acylation of alcohols with fluorinated beta-phenyl-beta-lactams in the presence of Burkholderia cepacia lipase	2007
574	Environmental Exposure and Children's Health in China.	2007
575	Extraction and clean-up strategies for the analysis of poly- and perfluoroalkyl substances in environmental and human matrices	2007
576	Ferroelectricity of hexatic phases	2007
577	Flash pyrolysis of polytetrafluoroethylene (teflon) in a quartz assembly	2007
578	Flow-injection determination of total organic fluorine with off-line defluorination reaction on a solid sorbent bed	2007
579	Fluorinated Alcohol Mediated Displacement of the C10 Acetoxy Group of Benzo[a]pyrene-7,8,9,10-tetrahydroetraol Tetraacetates: A New Route to Diol Epoxide—Deoxyguanosine Adducts.	2007
580	Free-Standing Films of Fluorinated Surfactants as 2D Matrices for Organizing Detergent-Solubilized Membrane Proteins.	2007
581	Gas solubility and permeability in MFA.	2007
582	Hexafluoroacetone based synthesis of fluorinated heterocycles	2007
583	Highly Diastereoselective Electrophilic Fluorination of Cyclic syn-B-Hydroxysilanes.	2007
584	Highly Fluorinated Poly(arylene alkylene ether sulfone)s: Synthesis and Thermal Properties.	2007
585	High-Valent Technetium Fluorides. Does TcF7 Exist?	2007
586	Historical and geographical aspects of the increasing perfluorooctanoate and perfluorooctane sulfonate contamination in human serum in Japan.	2007
587	Human biomonitoring: State of the art	2007
588	Hydrophobic silica aerogels derived from polyethoxydisiloxane and perfluoroalkylsilane	2007
589	Identification and pattern of perfluorooctane sulfonate (PFOS) isomers in human serum and plasma	2007
590	Induction of oxidative stress and apoptosis by PFOS and PFOA in primary cultured hepatocytes of freshwater tilapia ( <i>Oreochromis niloticus</i> )	2007
591	Influence of Perfluorinated Compounds on the Properties of Model Lipid Membranes.	2007
592	Integrated Exposure Assessment Survey (INES). Exposure to persistent and bioaccumulative chemicals in Bavaria, Germany	2007
593	Latitudinal gradient of airborne polyfluorinated alkyl substances in the marine atmosphere between Germany and South Africa (53 degrees N-33 degrees S)	2007
594	Liquid crystals with partially fluorinated side chains: Highly polar materials with very low birefringence	2007
595	Mass spectral studies of native and mass-labeled perfluorooctanesulfonamides	2007
596	Miscibility of perfluorododecanoic acid with organic acids at the air-water interface	2007
597	Modeling sorption of anionic surfactants onto sediment materials: An a priori approach for perfluoroalkyl surfactants and linear alkylbenzene sulfonates	2007
598	New bis(fluoro-ponytailed) bipyridine ligands for Pd-catalyzed Heck reactions under fluoros biphase catalysis condition	2007
599	New synthetic routes towards various alpha-fluorinated aryl ketones and their enantioselective reductions using baker's yeast	2007
600	Novel C-6 fluorinated acyclic side chain pyrimidine derivatives: Synthesis, H-1 and C-13 NMR conformational studies, and antiviral and cytostatic evaluations	2007

601	Occurrence of perfluorinated substances in an adult German population in southern Bavaria.	2007
602	Occurrence of Perfluorooctane Sulfonate and Other Perfluorinated Alkylated Substances in Harbor Porpoises from the Black Sea.	2007
603	Organic pollutants in compost and digestate. Part 2. Polychlorinated dibenzo-p-dioxins, and -furans, dioxin-like polychlorinated biphenyls, brominated flame retardants, perfluorinated alkyl substances, pesticides, and other compounds	2007
604	Perfluorinated Acids in Air, Rain, Snow, Surface Runoff, and Lakes: Relative Importance of Pathways to Contamination of Urban Lakes.	2007
605	Perfluorinated acids in arctic snow: New evidence for atmospheric formation	2007
606	Perfluorinated chemicals in blood of residents in Catalonia (Spain) in relation to age and gender: A pilot study	2007
607	Perfluorinated compounds in river water, river sediment, market fish, and wildlife samples from Japan.	2007
608	Perfluorinated compounds in some terrestrial and aquatic wildlife species from Poland	2007
609	Perfluorinated compounds in the Cape Fear Drainage Basin in North Carolina	2007
610	Perfluorinated compounds in the Pearl River and Yangtze River of China.	2007
611	Perfluoroalkyl sulfonates and perfluorocarboxylates in two wastewater treatment facilities in Kentucky and Georgia	2007
612	Perfluorocarbons: Life sciences and biomedical uses - Dedicated to the memory of Professor Guy Ourisson, a true RENAISSANCE man.	2007
613	Perfluorooctane sulfonate increases the genotoxicity of cyclophosphamide in the micronucleus assay with V79 cells - Further proof of alterations in cell membrane properties caused by PFOS	2007
614	Perfluorooctane sulfonate influences feeding behavior and gut motility via the hypothalamus.	2007
615	Perfluorooctanoic acid-induced developmental toxicity in the mouse is dependent on expression of peroxisome proliferator-activated receptor- $\alpha$	2007
616	PFOS levels in the blood and liver of a small insectivorous songbird near a fluorochemical plant	2007
617	Polyfluorinated amino acids for sensitive F-19 NMR-based screening and kinetic measurements	2007
618	Polyfluorinated phosphine ligands in the room temperature Suzuki cross-coupling reactions	2007
619	Potential Hazards of Environmental Contaminants to Avifauna Residing in the Chesapeake Bay Estuary	2007
620	Reactivity of carbon nanofibers with fluorine gas	2007
621	Recent advances in practice and theory of polyfluoroarene hydrodehalogenation	2007
622	Selective fluoroalkylations with fluorinated sulfones, sulfoxides, and Sulfoxides	2007
623	Silver-polyimide nanocomposite membranes: Macromolecular-matrix-mediated metallization of an aromatic, fluorinated polyimide yielding highly reflective films at low metal concentrations.	2007
624	Structure-Selectivity Investigations of D2-Like Receptor Ligands by CoMFA and CoMSIA Guiding the Discovery of D3-Selective PET Radioligands.	2007
625	Study on the thermotropic properties of highly fluorinated 1,2,4-oxadiazolopyridinium salts and their perspective applications as ionic liquid crystals	2007
626	Suppression of humoral immunity following exposure to the perfluorinated insecticide sulfluramid	2007
627	Synthesis and antibacterial activity of C11, C12-cyclic urea analogues of ketolides	2007
628	Synthesis and pH-dependent self-assembly of semifluorinated calix[4]arenes	2007
629	Synthesis, Mechanism of Formation, and Dynamics of a Highly Fluorinated Methylene-cyclobutene.	2007
630	Synthesis, X-ray diffraction and computational study of the crystal packing of polycyclic hydrocarbons featuring aromatic and perfluoroaromatic rings condensed in the same molecule: 1,2,3,4-tetrafluoranthracene, -anthracene and -phenanthrene.	2007
631	The design and synthesis of highly branched and spherically symmetric fluorinated oils and amphiles	2007
632	The lowest triplet electronic states of polyacenes and perfluoropolyacenes	2007
633	The occurrence of micropollutants in the aquatic environment: a new challenge for water management	2007
634	The role of fluorine in the stereoselective tandem Aza-Michael addition to acrylamide acceptors: An experimental and theoretical mechanistic study.	2007
635	The structure of 4-phenyl-2,6-bis(trifluoroacetyl)cyclohexanone and its dilithium salt in the crystal state, solution and gas phase	2007
636	Transplacental exposure of neonates to perfluorooctanesulfonate and perfluorooctanoate: a pilot study.	2007
637	Trends of perfluorinated alkyl substances in herring gull eggs from two coastal colonies in northern Norway: 1983-2003	2007
638	Trinuclear Silver(I) Complexes of Fluorinated Pyrazolates.	2007
639	Urban versus remote air concentrations of fluorotelomer alcohols and other polyfluorinated alkyl substances in Germany	2007
640	A fluorine scan of non-peptide inhibitors of neprilysin: Fluorophobic and fluorophilic regions in an enzyme active site	2008
641	A highly hexane soluble lithium salt and other starting materials of the fluorinated weakly coordinating anion [Al(OC(CF <sub>3</sub> )(2)(CH <sub>2</sub> SiMe <sub>3</sub> ))(4)](-)	2008
642	A novel method to decompose two potent greenhouse gases: Photoreduction of SF <sub>6</sub> and SF <sub>5</sub> CF <sub>3</sub> in the presence of propene	2008
643	Accumulation of perfluorinated compounds in captive Bengal tigers ( <i>Panthera tigris tigris</i> ) and African lions ( <i>Panthera leo Linnaeus</i> ) in China	2008
644	Accumulation of perfluorooctane sulfonate (PFOS) in the food chain of the Western Scheldt estuary: Comparing field measurements with kinetic modeling	2008
645	Acute and chronic aquatic toxicity of ammonium perfluorooctanoate (APFO) to freshwater organisms	2008
646	Acute enhancement of synaptic transmission and chronic inhibition of synaptogenesis induced by perfluorooctane sulfonate through mediation of voltage-dependent calcium channel	2008
647	Adsorption of oxygen-containing compounds at fluorinated graphite and fluorinated carbon fiber.	2008
648	alpha-Trifluoromethylated carbanion synthons	2008
649	Alumina ceramics prepared with new pore-forming agents	2008
650	Aluminum Complexes of Fluorinated Dialkoxy-Diimino Salen-like Ligands: Syntheses, Structures, and Use in Ring-Opening Polymerization of Cyclic Esters.	2008
651	Analysis of perfluorooctanoate (PFOA) and other perfluorinated compounds (PFCs) in the River Po watershed in N-Italy	2008
652	Analysis of trifluoroacetic acid and other short-chain perfluorinated acids (C2-C4) in precipitation by liquid chromatography-tandem mass spectrometry: Comparison to patterns of long-chain perfluorinated acids (C5-C18)	2008
653	Anticancer steroid sulfatase inhibitors: synthesis of a potent fluorinated second-generation agent, in vitro and in vivo activities, molecular modeling, and protein crystallography	2008
654	Antimicrobial activity of some new thioureas derived from 2-(4-chlorophenoxymethyl)benzoic acid.	2008
655	Are PFCs Bioaccumulative? A Critical Review and Comparison with Regulatory Criteria and Persistent Lipophilic Compounds.	2008
656	Assessment and management of the first German case of a contamination with perfluorinated compounds (PFC) in the region Sauerland, North Rhine-Westphalia	2008
657	Bacterial hydrolytic dehalogenases and related enzymes: Occurrences, reaction mechanisms, and applications	2008
658	Biodegradation of perfluorinated compounds	2008
659	Biomonitoring of perfluorinated compounds in children and adults exposed to perfluorooctanoate-contaminated drinking water.	2008
660	Catalytic, Asymmetric alpha-Fluorination of Acid Chlorides: Dual Metal-Ketene Enolate Activation	2008
661	Chapter 5.4 Five membered ring systems: with more than one N atom	2008
662	Characterization of fluorinated multiwalled carbon nanotubes by x-ray absorption spectroscopy.	2008
663	Chemistry of the Surface and Structural and Adsorption Properties of Fluorinated Carbon Fiber and an Adsorbent Based on It	2008
664	Chlorinated, brominated, and perfluorinated compounds, polycyclic aromatic hydrocarbons and trace elements in livers of sea otters from California, Washington, and Alaska (USA), and Kamchatka (Russia)	2008
665	Chromophore fluorination enhances crystallization and stability of soluble anthradithiophene semiconductors	2008
666	Comment on "Perfluorinated Compounds in the Cape Fear Drainage Basin in North Carolina"	2008
667	Comparison of extraction and quantification methods of perfluorinated compounds in human plasma, serum, and whole blood	2008
668	Concentrations and patterns of perfluoroalkyl acids in Georgia, USA surface waters near and distant to a major use source	2008
669	Congener-specific numbering systems for the environmentally relevant C-4 through C-8 perfluorinated homologue groups of alkyl sulfonates, carboxylates, telomer alcohols, olefins, and acids, and their derivatives	2008
670	Contaminant by perfluorinated compounds and effects on peroxisome proliferator-activated receptor alpha - cytochrome P450 4A signaling pathway in Baikal seal ( <i>Pusa sibirica</i> )	2008
671	Contamination of Perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in surface water of the Yodo River basin (Japan)	2008
672	Control of arrangement for carbazole group in fluorinated comb copolymers by method of organized films	2008
673	Convenient and Efficient Access to Fluoroalkylated Vinylphosphonates via Highly Regio- and Stereoselective Hydrometalation or Carbometalation Reactions of Fluorine-Containing Alkynylphosphonates.	2008
674	Cooking decreases observed perfluorinated compound concentrations in fish	2008
675	Current levels of airborne polyfluorinated telomers in Japan	2008
676	Determination of 9 perfluorinated compounds in aquatic products: Fish and shellfish	2008
677	Determination of Perfluorinated Compounds in Human Blood Samples by High Performance Liquid Chromatography-Electrospray Tandem Mass Spectrometry	2008
678	Determination of pK(a) Values of Clinically Important Perfluorochemicals in Nonaqueous Media	2008

679	Developmental toxicity and alteration of gene expression in zebrafish embryos exposed to PFOS	2008
680	Dietary Predictors of Perfluorinated Chemicals: A Study from the Danish National Birth Cohort.	2008
681	Dynamic Nuclear Polarization in Some Aliphatic and Aromatic Solutions as Studied by Fluorine-Electron Double Resonance.	2008
682	Electrochemical behavior of surface-fluorinated graphite in propylene carbonate-containing solvent	2008
683	Electrophilic polyfluoroalkylating agents based on sulfonate esters	2008
684	Emissions of perfluorinated alkylated substances (PFAS) from point sources - Identification of relevant branches	2008
685	Enhanced selective immobilization of biomolecules onto solid supports coated with semifluorinated self-assembled monolayers	2008
686	Environmental Mass Spectrometry: Emerging Contaminants and Current Issues.	2008
687	Estimating consumer exposure to PFOS and PFOA.	2008
688	Existence of nonpoint source of perfluorinated compounds and their loads in the Tsurumi River basin, Japan	2008
689	Exposure to perfluorooctane sulfonate or fenofibrate causes PPAR-alpha dependent transcriptional responses in chicken embryo hepatocytes	2008
690	Facile and highly efficient synthesis of fluorinated heterocycles via Prins cyclization in ionic liquid hydrogen fluoride salts	2008
691	Fate and toxicity of emerging pollutants, their metabolites and transformation products in the aquatic environment	2008
692	Fluorine-18 Click Radiosynthesis and Preclinical Evaluation of a New 18F-Labeled Folic Acid Derivative.	2008
693	Fluorine-containing organic molecules as structure directing agents in the synthesis of crystalline microporous materials. Part III: Synthesis of all-silica zeolites from fluorine-containing derivatives of 1-benzyl-1-methylpyrrolidinium	2008
694	Fluorous tags catching on microarrays	2008
695	Formation of Perfluorocarbon Microemulsion by Fluorinated Polyethylene Glycol.	2008
696	Gas chromatographic-mass spectrometric analysis of biomarkers related to folate and cobalamin status in human serum after dimercaptopropanesulfonate reduction and heptafluorobutyl chloroformate derivatization	2008
697	Gestational exposure to perfluorooctane sulfonate suppresses immune function in B6C3F1 mice	2008
698	High accumulation of perfluorooctane sulfonate (PFOS) in marine tucuxi dolphins ( <i>Sotalia guianensis</i> ) from the Brazilian coast	2008
699	Highly efficient and stereoselective Julia-Kocienski protocol for the synthesis of alpha-fluoro-alpha,beta-unsaturated esters and Weinreb amides employing 3,5-bis(trifluoromethyl)phenyl (BTFFP) sulfones	2008
700	Highly efficient synthesis of Fe-containing mesoporous materials by using semi-fluorinated surfactant and their high activities in Friedel-Crafts alkylations	2008
701	Highly Fluorinated Aromatic-Aliphatic Copolyethers.	2008
702	Highly Fluorinated Benzobisbenzothiofenenes.	2008
703	Highly fluorinated bidentate phosphines	2008
704	Highly uniform, strongly correlated fluorinated lipid nanodomains embedded in biological membrane models.	2008
705	Human exposure to perfluorinated chemicals through the diet: intake of perfluorinated compounds in foods from the Catalan (Spain) market	2008
706	Influence of perfluorinated compounds on model lipid membranes prepared using Langmuir and Langmuir-Schaefer techniques	2008
707	Irreversible sorption of trace concentrations of perfluorocarboxylic acids to fiber filters used for air sampling	2008
708	Lanthanum oxyluoride sol-gel thin films by a simple single-source precursor route	2008
709	Levels of perfluorochemicals in water samples from Catalonia, Spain: is drinking water a significant contribution to human exposure?	2008
710	Liquid crystal polymers for non-reconstructing fluorinated surfaces	2008
711	Neonatal exposure to perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) causes neurobehavioural defects in adult mice	2008
712	Non-bioaccumulative, environmentally preferable stabilizer architectures for the dispersion polymerization of MMA in supercritical CO2	2008
713	Novel Aromatic Polymers with Pentafluorophenyl Pendant Groups	2008
714	Novel highly fluorinated sulfamates: Synthesis and evaluation of their surfactant properties	2008
715	Novel Physical Solvents for Selective CO2 Capture from Fuel Gas Streams at Elevated Pressures and Temperatures	2008
716	Nucleus- and side-chain fluorinated 3-substituted indoles by a suitable combination of organometallic and radical chemistry	2008
717	Optimization of a gas chromatographic method for trace gaseous impurities in nitrogen trifluoride by column sequence reversal	2008
718	Optimized method avoiding solvent-induced response enhancement in the analysis of volatile and semi-volatile polyfluorinated alkylated compounds using gas chromatography-mass spectrometry	2008
719	Oxidative destruction of perfluorooctane sulfonate using boron-doped diamond film electrodes	2008
720	Partitioning of fluorotelomer alcohols to octanol and different sources of dissolved organic carbon	2008
721	Perfluorinated acids as novel chemical tracers of global circulation of ocean waters	2008
722	Perfluorinated and chlorinated pollutants as predictors of demographic parameters in an endangered seabird	2008
723	Perfluorinated compounds (PFC) hit the headlines : meeting report on a satellite symposium of the annual meeting of the German Society of Toxicology.	2008
724	Perfluorinated Compounds and Total and Extractable Organic Fluorine in Human Blood Samples from China.	2008
725	Perfluorinated compounds in common carp ( <i>Cyprinus carpio</i> ) filets from the Upper Mississippi River	2008
726	Perfluorinated Compounds in House Dust from Ohio and North Carolina, USA.	2008
727	Perfluorinated Compounds in Human Milk from Massachusetts, U.S.A.	2008
728	Perfluorinated compounds in whole fish homogenates from the Ohio, Missouri, and Upper Mississippi Rivers, USA	2008
729	Perfluorinated Surfactants in Surface, Subsurface Water and Microlayer from Dalian Coastal Waters in China.	2008
730	PERFLUORINATED, BROMINATED, AND CHLORINATED CONTAMINANTS IN A POPULATION OF LESSER BLACK-BACKED GULLS ( <i>LARUS FUSCUS</i> ).	2008
731	Perfluoroalkyl of Birds from Acids in the Egg Yolk Lake Shihwa, Korea.	2008
732	Perfluorochemicals in water reuse	2008
733	Perfluorooctane sulfonate (PFOS) and other fluorochemicals in fish blood collected near the outfall of wastewater treatment plant (WWTP) in Beijing	2008
734	Perfluorooctane sulfonate (PFOS) and related fluorochemicals in chicken egg in China	2008
735	Perfluorooctane Sulfonate and Other Fluorochemicals in Waterbird Eggs from South China	2008
736	Perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) in human breast milk: Results of a pilot study	2008
737	Perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) in human breast milk: Results of a pilot study	2008
738	Perfluorooctanesulfonate and perfluorooctanoate in raw and treated tap water from Osaka, Japan	2008
739	Perfluorooctanesulfonate and Related Fluorochemicals in the Amur Tiger ( <i>Panthera tigris altaica</i> ) from China.	2008
740	Perfluorooctanoic acid-induced immunomodulation in adult C57BL/6J or C57BL/6N female mice.	2008
741	Persistence of perfluoroalkylated substances in closed bottle tests with municipal sewage sludge.	2008
742	Perfluorinated Compounds in Human Breast Milk from Several Asian Countries, and in Infant Formula and Dairy Milk from the United States.	2008
743	PFOS alters immune response at very low exposure levels.	2008
744	Photophysical properties of a photocytotoxic fluorinated chlorin conjugated to four $\beta$ -cyclodextrins.	2008
745	Polarization Modulation Infrared Reflection-Absorption Spectroscopy Studies of the Influence of Perfluorinated Compounds on the Properties of a Model Biological Membrane.	2008
746	Polybrominated diphenyl ethers, perfluorinated compounds and chlorinated pesticides in swordfish ( <i>Xiphias gladius</i> ) from the Mediterranean Sea	2008
747	Polyfluorinated chemicals in a spatially and temporally integrated food web in the Western Arctic	2008
748	Potential correlation between perfluorinated acids and liver morphology in East Greenland polar bears ( <i>Ursus maritimus</i> ).	2008
749	Potential effects of perfluorinated compounds in common cormorants from Lake Biwa, Japan: an implication from the hepatic gene expression profiles by microarray.	2008
750	Prenatal exposure to perfluorooctanoate (PFOA) and perfluorooctanesulfonate (PFOS) and maternally reported developmental milestones in infancy.	2008
751	Preparation of microporous carbon films from fluorinated aromatic polyimides	2008
752	Regioselective electrochemical monofluorination of alpha-sulfonyl sulfides	2008
753	Screening chemicals for the potential to be persistent organic pollutants: A case study of Arctic contaminants	2008
754	Selective Formal Transesterification of Fluorinated 2-(Trimethylsilyl)ethyl $\alpha$ -Imino Esters Mediated by TBAF.	2008
755	Self-organization of a new fluorous porphyrin and C60films on indium-tin-oxide electrodeElectronic supplementary information (ESI) available: Experimental procedures, synthesis and structural characterization of 1, 2, and films. CCDC reference number 670308. For ESI and crystallographic data in CIF or other electronic format see DOI: 10.1039/b806795c	2008
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757	Skipjack tuna as a bioindicator of contamination by perfluorinated compounds in the oceans	2008
758	Solubility and phase behaviour of selected pharmaceutical excipients in 2h, 3h-perfluoropentane	2008
759	Spatial trends of polyfluorinated compounds in guillemot ( <i>Uria aalge</i> ) eggs from North-Western Europe	2008

760	Species-specific concentrations of perfluoroalkyl contaminants in farm and pet animals in Japan	2008
761	Standard protecting groups create potent and selective $\kappa$ opioid: Salvinorin B alkoxyethyl ethers	2008
762	Stereoselective synthesis of (2S,3S,4Z)-4-fluoro-1,3-dihydroxy-2-(octadecanoylamino)octadec-4-ene, [(Z)-4-fluoroceramide], and its phase behavior at the air/water interface	2008
763	Structure and morphology of Cu <sub>2</sub> Pc and F16Cu <sub>2</sub> Pc pn heterojunction	2008
764	Structure Transition from Hexagonal Mesostuctured Rodlike Silica to Multilamellar Vesicles.	2008
765	Suppression of humoral immunity in mice following exposure to perfluorooctane sulfonate	2008
766	Synthesis and bioactivity of highly ordered TiO <sub>2</sub> nanotube arrays	2008
767	Synthesis and characterization of chiral liquid-crystalline polysiloxanes containing fluorinated units and sulfonic acid groups.	2008
768	Synthesis and characterization of sol-gel derived highly condensed fluorinated methacryl silica and silica-zirconia hybrid materials	2008
769	Synthesis and properties of gemini-type hydrocarbon-fluorocarbon hybrid surfactants	2008
770	Synthesis of 3-Fluoro-2,5-Disubstituted Furans and Further Derivative Reactions to Access Fluorine-Containing 3,3'-Bifurans and Tetrasubstituted Furans	2008
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776	The synthesis of cationic porphyrins for use in photodynamic antimicrobial chemotherapy (PACT)	2008
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778	Time trends and transplacental transfer of perfluorinated compounds in melon-headed whales stranded along the Japanese coast in 1982, 2001/2002, and 2006	2008
779	Tissue Distribution of Perfluorinated Surfactants in Common Guillemot ( <i>Uria aalge</i> ) from the Baltic Sea	2008
780	Toxicity of perfluorooctane sulfonic acid and perfluorooctanoic acid on freshwater macroinvertebrates ( <i>Daphnia magna</i> and <i>Moina macrocopa</i> ) and fish ( <i>Oryzias latipes</i> ).	2008
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783	Transcriptional effects of PFOS in isolated hepatocytes from Atlantic salmon <i>Salmo salar</i> L.	2008
784	Use of Newborn Screening Program Blood Spots for Exposure Assessment: Declining Levels of Perfluorinated Compounds in New York State Infants.	2008
785	White light from excimer and electromer in single-emitting-component electroluminescent diodes	2008
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787	8-2 Fluorotelomer alcohol aerobic soil biodegradation: Pathways, metabolites, and metabolite yields	2009
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799	Anodic Fluorination and Fluorodisulfurization in Ionic Liquid Hydrogen Fluoride Salts with Polyether Additives	2009
800	Asymmetric de novo synthesis of fluorinated d-glucitol and d-mannitol analogues	2009
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802	Balsa Raft Crossing the Pacific Finds Low Contaminant Levels	2009
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824	Determination of Perfluorinated Compounds in Packaging Materials and Textiles Using Pressurized Liquid Extraction with Gas Chromatography-Mass Spectrometry	2009
825	Determination of perfluorinated compounds in surface soils	2009
826	Determination of perfluorooctanesulfonate and perfluorooctanoate in water samples by SPE-HPLC/electrospray ion trap mass spectrometry	2009
827	Determination of ten perfluorinated compounds in bluegill sunfish ( <i>Lepomis macrochirus</i> ) filets	2009
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834	Disposition of perfluorinated acid isomers in Sprague-Dawley rats; part 1: single dose.	2009
835	Disposition of perfluorinated acid isomers in Sprague-Dawley rats; part 2: subchronic dose.	2009
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839	Effects of co-exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin and perfluorooctane sulfonate or perfluorooctanoic acid on expression of cytochrome P450 isoforms in chicken ( <i>Gallus gallus</i> ) embryo hepatocyte cultures	2009



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842	Efficient photochemical water splitting and organic pollutant degradation by highly ordered TiO <sub>2</sub> nanopore arrays	2009
843	Electronic structure of fluorinated multiwalled carbon nanotubes studied using x-ray absorption and photoelectron spectroscopy	2009
844	Enrichment Factors of Perfluoroalkyl Oxanions at the Air/Water Interface	2009
845	Estimated congener specific gas-phase atmospheric behavior and fractionation of perfluoroalkyl compounds: Rates of reaction with atmospheric oxidants, air-water partitioning, and wet/dry deposition lifetimes	2009
846	Estimated dietary exposure to fluorinated compounds from traditional foods among Inuit in Nunavut, Canada	2009
847	Evaluation of <i>in vitro</i> tests to assess the efficacy of formulations as topical skin protectants against organophosphorus compounds	2009
848	Evaluation of Organic Environmental Pollutants Detected in Human Milk	2009
849	Evaluation of potential reproductive and developmental toxicity of potassium perfluorohexanesulfonate in Sprague Dawley rats	2009
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851	Exposure to perfluorinated compounds in Catalonia, Spain, through consumption of various raw and cooked foodstuffs, including packaged food	2009
852	Farmed fish from top to bottom.	2009
853	FINANCIAL DISCLOSURE AND TOXIC PRODUCTS: ENCOURAGING WALL STREET TO ANTICIPATE PRODUCT RISK AND EXERCISE PRECAUTION.	2009
854	First-flush loads of perfluorinated compounds in stormwater runoff from Hayabuchi River basin, Japan served by separated sewerage system	2009
855	Fish consumption as a source of human exposure to perfluorinated alkyl substances in Sweden: analysis of edible fish from Lake Vättern and the Baltic Sea	2009
856	Flammability assessment of CH <sub>2</sub> =CF <sub>2</sub> : Comparison with fluoroalkenes and fluoroalkanes	2009
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860	Formation of Patches on 3D SAMs Driven by Thiols with Immiscible Chains Observed by ESR Spectroscopy	2009
861	Gene expression changes in bottlenose dolphin, <i>Tursiops truncatus</i> , skin cells following exposure to methylmercury (MeHg) or perfluorooctane sulfonate (PFOS)	2009
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867	Highly fluorinated amphiphilic molecules and self-assemblies with biomedical potential	2009
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900	One-year follow-up of perfluorinated compounds in plasma of German residents from Arnsberg formerly exposed to PFOA-contaminated drinking water	2009
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903	Perfluorinated alkylated substances in the aquatic environment: An Austrian case study	2009
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942	Reproductive performance in East Greenland polar bears ( <i>Ursus maritimus</i> ) may be affected by organohalogen contaminants as shown by physiologically-based pharmacokinetic (PBPK) modelling	2009
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958	Synthesis and characterization of highly optical transparent and low dielectric constant fluorinated polyimides	2009
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964	Synthetic, structural, photophysical and computational studies of $\pi$ -conjugated bis- and tris-1,3,2-benzodiazaboroles and related bis(boryl) dithiophenes	2009
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968	The role of intermolecular interactions in structure formation of host guest inclusion compounds based on a graphite fluoride polymer matrix.	2009
969	Theoretical Study on the Structural Properties of Various Solvated Metalated 3-Halo-1-azaallylic Anions	2009
970	Thermodynamic characterization of pure perfluoroalkanes, including interfacial and second order derivative properties, using the crossover soft-SAFT EoS	2009
971	Three novel anions based on pentafluorophenyl amine combined with two new synthetic strategies for the synthesis of highly lipophilic ionic liquids. Dedicated to Professor Helmut Werner on the occasion of his 75th birthday. Electronic supplementary information (ESI) available: Experimental details. CCDC 715077–715078. For ESI and crystallographic data in CIF or other electronic format see DOI: 10.1039/b823153b	2009
972	Time Trends and the Influence of Age and Gender on Serum Concentrations of Perfluorinated Compounds in Archived Human Samples.	2009
973	Total body burden and tissue distribution of polyfluorinated compounds in harbor seals ( <i>Phoca vitulina</i> ) from the German Bight	2009
974	Total fluorine, extractable organic fluorine, perfluorooctane sulfonate and other related fluorochemicals in liver of Indo-Pacific humpback dolphins ( <i>Sousa chinensis</i> ) and finless porpoises ( <i>Neophocaena phocaenoides</i> ) from South China.	2009
975	Toxicity of Perfluorooctane Sulfonate and Perfluorooctanoic Acid to Plants and Aquatic Invertebrates	2009
976	Trace analysis of per- and polyfluorinated alkyl substances in various matrices—How do current methods perform?	2009
977	Treatment of local scrubber wastewater for semiconductor by using photo-catalytic ozonation	2009
978	Trophodynamics of Some PFCs and BFRs in a Western Canadian Arctic Marine Food Web.	2009
979	Unexpected Alternated Radical Copolymerization of Vinylidene Cyanide with a Fluorinated Vinyl Ether for Superhydrophobic and Highly Oleophobic Films†‡.	2009
980	W7FW14F apomyoglobin amyloid aggregates-mediated apoptosis is due to oxidative stress and AKT inactivation caused by Ras and Rac.	2009
981	Voltammetric study of gold-supported lipid membranes in the presence of perfluorooctanesulphonic acid	2009
982	"HFP" Fluorinated Cationic Lipids for Enhanced Lipoplex Stability and Gene Delivery	2010
983	[Commentary on] Perfluorinated compounds, polychlorinated biphenyls, and organochlorine pesticide contamination in composite food samples from Dallas, Texas, USA.	2010
984	12th EuChemS International Conference on Chemistry and the Environment.	2010
985	A Convenient, One-Pot Conversion of Polyethylene Glycol-Linked F-Alkyl Disulfides into the $\alpha,\beta$ -Unsaturated Derivatives.	2010
986	A facile strategy for the fabrication of highly stable superhydrophobic cotton fabric using amphiphilic fluorinated triblock azide copolymers	2010
987	A novel fluorinated europium ternary complex for highly efficient pure red electroluminescence	2010
988	A site-specific screening comparison of modeled and monitored air dispersion and deposition for perfluorooctanoate.	2010
989	A temporal trend study (1972-2008) of perfluorooctanesulfonate, perfluorohexanesulfonate, and perfluorooctanoate in pooled human milk samples from Stockholm, Sweden	2010
990	A validated analytical method for the determination of perfluorinated compounds in surface-, sea- and wastewater using liquid chromatography coupled to time-of-flight mass spectrometry	2010
991	Aerobic biodegradation of [C-14] 6:2 fluorotelomer alcohol in a flow-through soil incubation system	2010
992	An overview of non-CO2 greenhouse gases	2010
993	Analysis of perfluorinated compounds in biota by microextraction with tetrahydrofuran and liquid chromatography/ion isolation-based ion-trap mass spectrometry	2010
994	Application of a multiple endpoint bacterial reporter assay to evaluate toxicological relevant endpoints of perfluorinated compounds with different functional groups and varying chain length	2010

995	Application of the novel 5-chloro-2,2,3,3,4,4,5,5-octafluoro-1-pentyl chloroformate derivatizing agent for the direct determination of highly polar water disinfection byproducts	2010
996	Bioaccumulation of Perfluorochemicals in Pacific Oyster under Different Salinity Gradients	2010
997	Bioconcentration of perfluorinated compounds in blackrock fish, <i>Sebastes schlegelii</i> , at different salinity levels.	2010
998	Biodegradation of a Biocide (Cu-N-Cyclohexyldiazonium Dioxide) Component of a Wood Preservative by a Defined Soil Bacterial Community	2010
999	Biomonitoring of perfluorochemicals and toxicity to the downstream fish community of Erobicoke Creek following deployment of aqueous film-forming foam	2010
1000	Biomonitoring perfluorinated compounds in Catalonia, Spain: concentrations and trends in human liver and milk samples	2010
1001	BIOTRANSFORMATION OF THE 82 FLUOROTELOMER ACRYLATE IN RAINBOW TROUT 1 IN VIVO DIETARY EXPOSURE	2010
1002	Brominated flame retardants and perfluorinated compounds in indoor dust from homes and offices in Flanders, Belgium	2010
1003	Changes in Concentrations of Perfluorinated Compounds, Polybrominated Biphenyl Ethers, and Polychlorinated Biphenyls in Norwegian Breast-Milk during Twelve Months of Lactation	2010
1004	Changes in the structure of model biological membranes in the presence of perfluorooctanesulphonic acid - Electrochemical and EC-STM study	2010
1005	Chemistry of fluoro-substituted beta-diketones and their derivatives	2010
1006	Chitosan-Coated Octadecyl-Functionalized Magnetite Nanoparticles: Preparation and Application in Extraction of Trace Pollutants from Environmental Water Samples	2010
1007	Chronic Effects of Perfluorooctane Sulfonate and Ammonium Perfluorooctanoate on Biochemical Parameters, Survival and Reproduction of <i>Daphnia magna</i>	2010
1008	Comparative semiempirical, ab initio, and density functional theory study on the thermodynamic properties of linear and branched perfluoroalkyl sulfonic acids/sulfonyl fluorides, perfluoroalkyl carboxylic acid/acyl fluorides, and perhydroalkyl sulfonic acids, alkanes, and alcohols	2010
1009	Comparative X-ray absorption investigation of fluorinated single-walled carbon nanotubes.	2010
1010	Concentrations of perfluorinated compounds in human blood from twelve cities in China.	2010
1011	Contaminants in the Upper Mississippi River: historic trends, responses to regulatory controls, and emerging concerns	2010
1012	Cyclodehydration of Fluorinated Diols Using the Mitsunobu Reaction: Highly Efficient Synthesis of Trifluoromethylated Cyclic Ethers.	2010
1013	Cytotoxicity of new alkylamino- and phenylamino-containing polyfluorinated derivatives of 1,4-naphthoquinone	2010
1014	Design strategies to minimize the radiative efficiency of global warming molecules.	2010
1015	Detection of Carbohydrates and Steroids by Cation-Enhanced Nanostructure-Initiator Mass Spectrometry (NIMS) for Biofluid Analysis and Tissue Imaging	2010
1016	Determination of Perfluorinated Compounds in the Upper Mississippi River Basin	2010
1017	Determination of perfluorochemicals in biological, environmental and food samples by an automated on-line solid phase extraction ultra high performance liquid chromatography tandem mass spectrometry method	2010
1018	Determination of perfluorooctanoic acid and perfluorooctane sulfonate by automated in-tube solid-phase microextraction coupled with liquid chromatography-mass spectrometry	2010
1019	Developmental Effects of Perfluoronanoic Acid in the Mouse Are Dependent on Peroxisome Proliferator-Activated Receptor-Alpha	2010
1020	Diastereoselective Silver-Catalyzed 1,3-Dipolar Cycloaddition of Azomethine Ylides with Fluorinated Imines.	2010
1021	Diet and particularly seafood are major sources of perfluorinated compounds in humans	2010
1022	Dietary exposure to perfluorooctanoate or perfluorooctane sulfonate induces hypertrophy in centrilobular hepatocytes and alters the hepatic immune status in mice	2010
1023	Dietary intake estimate for perfluorooctanesulphonic acid (PFOS) and other perfluorochemicals (PFCs) in UK retail foods following determination using standard addition LC-MS/MS	2010
1024	Dietary Patterns and Plasma Concentrations of Perfluorinated Compounds in 315 Norwegian Women: The NOWAC Postgenome Study	2010
1025	Dioxin-like and perfluorinated compounds in pigs in an Indian open waste dumping site: Toxicokinetics and effects on hepatic cytochrome P450 and blood plasma hormones	2010
1026	Dipyrido[1,2-a:3',4'-d]imidazole systems	2010
1027	Direct Derivatization and Rapid GC-MS Screening of Nerve Agent Markers in Aqueous Samples.	2010
1028	Discovery of 4-tert-Butyl-2,6-dimethylphenylsulfur Trifluoride as a Deoxofluorinating Agent with High Thermal Stability as Well as Unusual Resistance to Aqueous Hydrolysis, and Its Diverse Fluorination Capabilities Including Deoxofluoro-Arylsulfonylation with High Stereoselectivity	2010
1029	Distribution and sources of polyfluoroalkyl substances (PFAS) in the River Rhine watershed	2010
1030	Distribution of Perfluorinated Compounds in Aquatic Systems in The Netherlands.	2010
1031	Distribution of Perfluorooctane Sulfonate and Other Perfluorochemicals in the Ambient Environment around a Manufacturing Facility in China	2010
1032	Effect of curvature on C-F bonding in fluorinated carbons: from fullerene and derivatives to graphite	2010
1033	Effect of gestational and lactational exposure to perfluorooctanesulfonate on calcium-dependent signaling molecules gene expression in rats' hippocampus	2010
1034	Effect of perfluorooctanesulfonate on osmoregulation in marine fish, <i>Sebastes schlegelii</i> , under different salinities	2010
1035	Effects of exposure to Prestige-like heavy fuel oil and to perfluorooctane sulfonate on conventional biomarkers and target gene transcription in the thicklip grey mullet <i>Chelon labrosus</i>	2010
1036	Effects of perfluorinated compounds on hepatic fatty acid oxidation in avian embryos using a tritium release assay	2010
1037	Effects of perfluorooctanesulfonate exposure on plasma lipid levels in the Inuit population of Nunavik (Northern Quebec)	2010
1038	Efficient and Reliable Iodination and O-Methylation of Fluorinated Phenols	2010
1039	Electrochemical and density functional theory study of bis(cyclopentadienyl) mono( $\beta$ -diketonato) titanium(IV) cationic complexes	2010
1040	Emerging contaminants in surface waters and their relevance for the production of drinking water in Europe	2010
1041	Emerging food contaminants: a review.	2010
1042	Estrogenic effects, reproductive impairment and developmental toxicity in ovoviparous swordtail fish ( <i>Xiphophorus helleri</i> ) exposed to perfluorooctane sulfonate (PFOS)	2010
1043	Evidence for the immunotoxicity of perfluorinated compounds	2010
1044	Exploratory assessment of perfluorinated compounds and human thyroid function	2010
1045	Exposure and effects assessment of persistent organohalogen contaminants in arctic wildlife and fish	2010
1046	Exposure to perfluorinated compounds and the risk of breast cancer in Greenlandic Inuit	2010
1047	Exposure to Polyfluoroalkyl Chemicals and Attention Deficit/Hyperactivity Disorder in U.S. Children 12-15 Years of Age	2010
1048	Extraction of perfluorinated compounds from food matrices using fluorosolvent partitioning	2010
1049	Fabrication and performance evaluation of highly sensitive hybrid sol-gel-derived oxygen sensor films based on a fluorinated precursor	2010
1050	FAS prevalence in a sample of urban schoolchildren in Croatia	2010
1051	Fluorinated quinacridone derivative based organic light-emitting device with high power efficiency	2010
1052	Fluorotelomer ethoxylates: Sources of highly fluorinated environmental contaminants part I: Biotransformation	2010
1053	Functional Fluorinated Modifications on a Polyelectrolyte Coated Polydimethylsiloxane Substrate for Fabricating Antibody Microarrays	2010
1054	Gas separation performance of C/CMS membranes derived from poly(furfuryl alcohol) (PFA) with different chemical structure	2010
1055	Gas transport properties of fluorinated poly(ether imide) films containing phthalimidine moiety in the main chain	2010
1056	Gene expression analysis of chicken during development subsequent to PFOS and PFOA exposure	2010
1057	Geographical Distribution of Perfluorinated Compounds in Fish from Minnesota Lakes and Rivers	2010
1058	Health effects from long-range transported contaminants in Arctic top predators: An integrated review based on studies of polar bears and relevant model species	2010
1059	Hexadecane/air partitioning coefficients of multifunctional compounds: Experimental data and modeling	2010
1060	High concentrations of persistent organic pollutants including PCBs, DDT, PBDEs and PFOS in little brown bats with white-nose syndrome in New York, USA	2010
1061	Highly efficient luminescent hybrid materials covalently linking with europium(III) complexes via novel fluorinated $\beta$ -diketonate ligand: synthesis, characterization and photophysical properties Electronic supplementary information (ESI) available: Fig. S1-S14: <sup>1</sup> H and <sup>13</sup> C NMR spectra of HBBPPF, thermogravimetric curves, <sup>1</sup> H NMR spectrum of SiBBPPF-Na, solid-state <sup>29</sup> Si NMR spectra of MCM-41, FT-IR spectra of SiBBPPF-Na and Eu(BBPPF-Si)3(DDXPO)/MCM-41, N2 adsorption-desorption isotherms for 2, DLS particle size distribution curve for 2, UV absorption spectra of DDXPO, HBBPPF and complex 1 in acetonitrile solution, experimental luminescence decay profiles of 1 and 2, CIE (x,y) chromaticity diagram showing the emission colour coordinates of 1 and 2, phosphorescence spectra of Gd(BBPPF-Si)3(H2O)(C2H5OH) and Gd(BBPPF)3(H2O)(C2H5OH) at 77 K, room-temperature emission spectrum of DDXPO, UV-vis absorption spectra of HBBPPF, room-temperature emission spectrum of HBBPPF, 77 K phosphorescence spectra of	2010
1062	Highly Enantioselective Amination Reactions of Fluorinated Keto Esters Catalyzed by Novel Chiral Guanidines Derived from Cinchona Alkaloids	2010
1063	Highly fluorinated cyclodextrins and their host-guest interactions Electronic supplementary information (ESI) available: Synthesis and characterization of cyclodextrins. ITC and NMR titrations. See DOI: 10.1039/c0cc00616e.	2010
1064	Highly fluorosoluble zirconocene(IV) complexes and their catalytic applications in the polymerization of ethylene	2010
1065	Highly Ordered and Stable Layered "Polymer Nanosheets" Constructed with Amorphous Side Chains and pi-pi Stacking of Functional Groups in Ternary Comb Copolymers	2010
1066	Human detoxification of perfluorinated compounds.	2010
1067	Hydrocarbon versus Fluorocarbon in the Electrodeposition of Superhydrophobic Polymer Films.	2010
1068	Hydrolysis of p-Nitrophenyl Esters Promoted by Semifluorinated Quaternary Ammonium Polymer Latexes and Films	2010
1069	Impact of Carbon Chain Length on Binding of Perfluoroalkyl Acids to Bovine Serum Albumin Determined by Spectroscopic Methods	2010

1070	Improved synthesis of a highly fluorinated boronic ester as dual functional additive for lithium-ion batteries	2010
1071	Incorporation of Fluorinated Phenylalanine Generates Highly Specific Inhibitor of Proteasome's Chymotrypsin-like Sites	2010
1072	Infant exposure of perfluorinated compounds: Levels in breast milk and commercial baby food	2010
1073	Influence of gestation, regular bleeding and intermittent exposure on blood perfluorooctane sulfonate levels in mice: potential factors inducing sex difference and affecting exposure evaluation	2010
1074	Inhalation Exposure to Fluorotelomer Alcohols Yield Perfluorocarboxylates in Human Blood?	2010
1075	Inhibition of human and rat $\beta$ -hydroxysteroid dehydrogenase and $17\beta$ -hydroxysteroid dehydrogenase 3 activities by perfluoroalkylated substances	2010
1076	Investigation of perfluorinated compounds (PFCs) in mollusks from coastal waters in the Bohai Sea of China	2010
1077	Levels and trends of poly- and perfluorinated compounds in the arctic environment	2010
1078	Levels in food and beverages and daily intake of perfluorinated compounds in Norway	2010
1079	Levels of perfluorooctanesulfonate (PFOS) and perfluorooctanoate (PFOA) in blood samples from different groups of adults living in Greece	2010
1080	Liquid chromatography/mass spectrometry analysis of perfluoroalkyl carboxylic acids and perfluorooctanesulfonate in bivalve shells: Extraction method optimization	2010
1081	Low serum levels of perfluorooctanoic acid (PFOA), perfluorooctane sulfonate (PFOS) and perfluorohexane sulfonate (PFHxS) in children and adults from Afghanistan	2010
1082	Maternal exposure to perfluorinated acids and fetal growth	2010
1083	Modeling the hydrolysis of perfluorinated compounds containing carboxylic and phosphoric acid ester functions and sulfonamide groups	2010
1084	Municipal landfill leachates: A significant source for new and emerging pollutants	2010
1085	New Fluorinated Polymers Bearing Pendant Phosphonic Acid Groups. Proton Conducting Membranes for Fuel Cell.	2010
1086	Noncatalytic Electrophilic Oxyalkylation of 3-Aminopyrazoles with 2-(Trifluoroacetyl)-1,3-azoles	2010
1087	Occurrence of perfluorinated compounds (PFCs) in drinking water of North Rhine-Westphalia, Germany and new approach to assess drinking water contamination by shorter-chained C4-C7 PFCs	2010
1088	Occurrence of perfluorinated compounds in fish from Qinghai-Tibetan Plateau	2010
1089	Occurrence of polar organic contaminants in the dissolved water phase of the Danube River and its major tributaries using SPE-LC-MS2 analysis	2010
1090	Occurrences and behavior of perfluorinated compounds (PFCs) in several wastewater treatment plants (WWTPs) in Japan and Thailand	2010
1091	Optical Properties of Fluorinated Bent-Core Liquid Crystals Confined in Anodic Alumina Nanotubes	2010
1092	Organocatalytic enantioselective Michael addition reactions of fluoromalones with $\alpha,\beta$ -unsaturated aldehydes	2010
1093	Original article: Cytotoxicity of new alkylamino- and phenylamino-containing polyfluorinated derivatives of 1,4-naphthoquinone	2010
1094	Pan-European survey on the occurrence of selected polar organic persistent pollutants in ground water	2010
1095	Partitioning of fluorotelomer alcohols (FTOH) to semipermeable membrane devices (SPMD)	2010
1096	Pathways of PFOA to the Arctic: variabilities and contributions of oceanic currents and atmospheric transport and chemistry sources	2010
1097	Perfluorinated Acid Isomer Profiling in Water and Quantitative Assessment of Manufacturing Source.	2010
1098	Perfluorinated compounds (PFCs) in groundwater and aqueous soil extracts: using inline SPE-LC-MS/MS for screening and sorption characterisation of perfluorooctane sulphonate and related compounds.	2010
1099	Perfluorinated Compounds and Polybrominated Diphenyl Ethers in Great Blue Heron Eggs from Three Colonies on the Mississippi River, Minnesota	2010
1100	Perfluorinated Compounds in Infiltrated River Rhine Water and Infiltrated Rainwater in Coastal Dunes	2010
1101	Perfluorinated compounds in maternal serum and cord blood from selected areas of South Africa: results of a pilot study	2010
1102	Perfluorinated compounds in minke whales ( <i>Balaenoptera acutorostrata</i> ) and long-beaked common dolphins ( <i>Delphinus capensis</i> ) from Korean coastal waters	2010
1103	Perfluorinated compounds in the Antarctic region: Ocean circulation provides prolonged protection from distant sources	2010
1104	Perfluorinated compounds in urban river sediments from Guangzhou and Shanghai of China	2010
1105	Perfluorinated compounds in urban river sediments from Guangzhou and Shanghai of China	2010
1106	Perfluorinated compounds in water, sediment, soil and biota from estuarine and coastal areas of Korea	2010
1107	Perfluorinated Compounds in Whole Blood Samples from Infants, Children, and Adults in China.	2010
1108	Perfluorinated compounds, polychlorinated biphenyls, and organochlorine pesticide contamination in composite food samples from Dallas, Texas, USA.	2010
1109	Perfluoroalkyl acids in Lake Superior water: Trends and sources	2010
1110	Perfluorocarboxylic acids (PFCAs) and perfluoroalkyl sulfonates (PFASs) in surface and tap water around Lake Taihu in China	2010
1111	Perfluorochemicals in Meat, Eggs and Indoor Dust in China: Assessment of Sources and Pathways of Human Exposure to Perfluorochemicals	2010
1112	Perfluorochemicals emission reduction by the semiconductor industry	2010
1113	Perfluorodecanoic Acid-Induced Steroidogenic Inhibition is Associated with Steroidogenic Acute Regulatory Protein and Reactive Oxygen Species in cAMP-Stimulated Leydig Cells	2010
1114	Perfluorooctane sulfonate (PFOS) and other fluorochemicals in viscera and muscle of farmed pigs and chickens in Beijing, China.	2010
1115	Perfluorooctane Sulfonate (PFOS) Induces Reactive Oxygen Species (ROS) Production in Human Microvascular Endothelial Cells: Role in Endothelial Permeability	2010
1116	Perfluorooctane sulfonate and perfluorooctanoic acid in the fingernails of urban and rural children	2010
1117	Perfluorooctanesulfonate and perfluorooctanoic acid exposures of the Italian general population	2010
1118	Poly- and perfluorinated compounds in household consumer products.	2010
1119	Polybrominated diphenyl ethers (PBDEs) and hexabromocyclodecane (HBCD) in composite U.S. food samples.	2010
1120	Polybrominated diphenyl ethers, perfluorinated alkylated substances, and metals in tile drainage and groundwater following applications of municipal biosolids to agricultural fields	2010
1121	Polyfluorinated compounds in residential and nonresidential indoor air	2010
1122	Pre- and Postnatal Exposure to Perfluorinated Compounds (PFCs)	2010
1123	Predicting the Partitioning Behavior of Various Highly Fluorinated Compounds (vol 40, pg 7298, 2006)	2010
1124	Preparation and characterization of porous silica templated by a nonionic fluorinated systems	2010
1125	Presence and Partitioning Behavior of Polyfluorinated Iodine Alkanes in Environmental Matrices around a Fluorochemical Manufacturing Plant: Another Possible Source for Perfluorinated Carboxylic Acids?	2010
1126	Properties of novel yellow anthraquinone dichroic dyes with naphthylthio groups for guest-host liquid crystal displays	2010
1127	Quantitative characterization of short- and long-chain perfluorinated acids in solid matrices in Shanghai, China	2010
1128	Rational application of self-disproportionation of enantiomers via sublimation—a novel methodological dimension for enantiomeric purifications	2010
1129	Recent trends in the liquid chromatography-mass spectrometry analysis of organic contaminants in environmental samples	2010
1130	Regional atmospheric emissions determined from measurements at Jeju Island, Korea: Halogenated compounds from China	2010
1131	Regioselective 1,3-Dipolar Cycloaddition and 1,2-Addition between Benzaldoxime NH-nitrene and Perfluoro-2-methyl-2-pentene	2010
1132	Removal of Fluorinated Compound Gases by an Enhanced Methane Microwave Plasma Burner	2010
1133	Removal of Perfluorooctane and Perfluorobutane Sulfonate from Water via Carbon Adsorption and Ion Exchange	2010
1134	Residual Characteristics of Perfluorinated Compounds in Nakdong River Watershed	2010
1135	Role of the pi sigma* State in Molecular Photophysics	2010
1136	Screening of organic contaminants in urban snow	2010
1137	Screening of perfluorinated chemicals (PFCs) in various aquatic organisms.	2010
1138	Seasonal Changes of PFOS and PFOA Concentrations in Lake Biwa Water	2010
1139	Sediment-water distribution of perfluorooctane sulfonate (PFOS) in Yangtze River Estuary	2010
1140	Self-lubricating nanoparticles: self-organization into 3D-superlattices during a fast drying processElectronic supplementary information (ESI) available: Synthetic procedure for FTEG-C11-SH 1, solubility, absorption spectra and DLS analysis of FTEG-AuNPs, AFM image of a cast film of 20 nm FTEG-AuNPs on the hydrophilic glass substrate. See DOI: 10.1039/c0cc03538f	2010
1141	Sorption of perfluorinated compounds from contaminated water to activated carbon	2010
1142	Sorption of perfluorooctane sulfonate and perfluorooctanoate on activated sludge	2010
1143	Sorption of perfluorooctane sulfonate on organo-montmorillonites	2010
1144	Spatial distribution and sources of perfluorochemicals in the NW Mediterranean coastal waters (Catalonia, Spain)	2010
1145	Spatial distribution of polyfluoroalkyl compounds in dab ( <i>Limanda limanda</i> ) bile fluids from Iceland and the North Sea	2010
1146	Standard purity and response factors of perfluorinated compounds	2010
1147	Stereoselective Construction of Halogenated Quaternary Stereogenic Centers via Catalytic Asymmetric Diels-Alder Reaction	2010
1148	Study of the performance of three LC-MS/MS platforms for analysis of perfluorinated compounds	2010
1149	Succinctness of two-way probabilistic and quantum finite automata.	2010

1150	Superhydrophobic fabrics from hybrid silica sol-gel coatings: Structural effect of precursors on wettability and washing durability.	2010
1151	Synthesis and biological evaluation of fluorinated deoxynucleotide analogs based on bis-(difluoromethylene)triphosphoric acid	2010
1152	Synthesis and characterisation of the $Sr_xBa_{1-x}FeO_{3-y}$ -system and the fluorinated phases $Sr_xBa_{1-x}FeO_{2.5}$	2010
1153	Synthesis and DMMP sensing properties of fluoroalkoxy and fluoroaryloxy substituted phthalocyanines in acoustic sensors	2010
1154	Synthesis of a Polymerizable Fluorosurfactant for the Construction of Stable Nanostructured Proton-Conducting Membranes	2010
1155	Tandem Nucleophilic Addition–Intramolecular Aza-Michael Reaction: Facile Synthesis of Chiral Fluorinated Isoindolines.	2010
1156	Temporal and Spatial Trends of Perfluorinated Compounds in Juvenile Loggerhead Sea Turtles ( <i>Caretta caretta</i> ) along the East Coast of the United States	2010
1157	Temporal Trends of Perfluorinated Surfactants in Swedish Peregrine Falcon Eggs ( <i>Falco peregrinus</i> ), 1014-2001.	2010
1158	Tetrahydrofuran–water extraction, in-line clean-up and selective liquid chromatography/tandem mass spectrometry for the quantitation of perfluorinated compounds in food at the low picogram per gram level	2010
1159	The occurrence of perfluorinated alkyl compounds in human milk from different regions of China	2010
1160	The Organometallic Fluorine Chemistry of Palladium and Rhodium: Studies toward Aromatic Fluorination	2010
1161	The Pollution Status of Emerging Persistent Organic Pollutants in China.	2010
1162	Theoretical and Experimental Simulation of the Fate of Semifluorinated n-Alkanes during Snowmelt.	2010
1163	Theoretical and Experimental Spectroscopic Approach of Fluorinated $Ln_{3+}$ - $\beta$ -Diketone Complexes.	2010
1164	Theoretical studies on the pK(a) values of perfluoroalkyl carboxylic acids	2010
1165	Thermodynamic Stability of Neutral and Anionic PFOS: A Gas-Phase, n-Octanol, and Water Theoretical Study	2010
1166	Thin film deposition and surface modification with atmospheric pressure dielectric barrier discharges	2010
1167	Time trends of perfluorinated compounds from the sediment core of Tokyo Bay, Japan (1950s–2004)	2010
1168	Tissue Distribution and Maternal Transfer of Poly- and Perfluorinated Compounds in Chinese Sturgeon ( <i>Acipenser sinensis</i> ): Implications for Reproductive Risk.	2010
1169	Tissue distribution of S-35-labelled perfluorooctane sulfonate (PFOS) in C57Bl/6 mice following late gestational exposure	2010
1170	Towards a Universal Method for the Stable and Clean Functionalization of Inert Perfluoropolymer Nanoparticles: Exploiting Photopolymerizable Amphiphilic Diacetylenes	2010
1171	Transcriptional Effects of Prenatal and Neonatal Exposure to PFOS in Developing Rat Brain	2010
1172	Tribological Properties of Room Temperature Fluorinated Graphite Heat-Treated Under Fluorine Atmosphere	2010
1173	Trimming Nanostructured Walls While Fluorinating their Surfaces: A Route to Making and Widening Pores of Nanoporous Materials and Efficient Catalysts.	2010
1174	Two-year follow-up biomonitoring pilot study of residents' and controls' PFC plasma levels after PFOA reduction in public water system in Arnsberg, Germany	2010
1175	Wet deposition of poly- and perfluorinated compounds in Northern Germany	2010
1176	A database of avian blood spot examinations for exposure of wild birds to environmental toxicants: the DABSE biomonitoring project	2011
1177	A rapid and high-throughput quantum dots bioassay for monitoring of perfluorooctane sulfonate in environmental water samples	2011
1178	Abnormal development of motor neurons in perfluorooctane sulfonate exposed zebrafish embryos	2011
1179	Adsorption of four perfluorinated acids on non ion exchange polymer sorbents	2011
1180	Adsorption of Perfluorinated Compounds onto Activated Carbon and Activated Sludge	2011
1181	Adsorption of perfluorooctanesulfonate (PFOS) and perfluorooctanoate (PFOA) on alumina: Influence of solution pH and cations	2011
1182	An assessment of the exposure of Americans to perfluorooctane sulfonate: A comparison of estimated intake with values inferred from NHANES data	2011
1183	ANALYSIS AND OCCURRENCES OF PERFLUORINATED COMPOUNDS IN AGRICULTURAL AND AQUATIC PRODUCTS AND WATER FROM CHINA	2011
1184	Analysis of <sup>19</sup> F and <sup>13</sup> C NMR spectra of tetrafluorophthalic anhydride and its derivatives	2011
1185	Analysis of perfluorinated alkyl substances in Spanish sewage sludge by liquid chromatography-tandem mass spectrometry.	2011
1186	Analysis of perfluorinated chemicals in umbilical cord blood by ultra-high performance liquid chromatography/tandem mass spectrometry	2011
1187	Analysis of perfluorinated compounds in sewage sludge by pressurized solvent extraction followed by liquid chromatography–mass spectrometry	2011
1188	Analysis of perfluoroalkyl carboxylates in vacuum cleaner dust samples in Japan	2011
1189	Analysis of polyfluorinated compounds in foods.	2011
1190	Autocatalytic formation of fluorinated ferrocenophanes from 1,1'-bis(trifluorovinyl)ferrocene	2011
1191	Behaviour of polycyclic aromatic hydrocarbons in stabilised and solidified contaminated soil	2011
1192	Bioconcentration Factor of Perfluorinated Compounds in Blood of Common Carp, <i>Cyprinus Carpio</i>	2011
1193	Biogeochemical dynamics of perfluorinated alkyl acids and sulfonates in the River Seine (Paris, France) under contrasting hydrological conditions	2011
1194	Biomagnification of Perfluorinated Compounds in a Remote Terrestrial Food Chain: Lichen–Caribou–Wolf.	2011
1195	Biomonitoring of Perfluorinated Compounds in Anglers	2011
1196	C–F Bond Activation of Highly Fluorinated Molecules at Rhodium: From Model Reactions to Catalysis	2011
1197	Characterisation of human exposure pathways to perfluorinated compounds — Comparing exposure estimates with biomarkers of exposure	2011
1198	Chemically modified graphene sheets by functionalization of highly exfoliated graphite	2011
1199	Chiral-at-ansa-Bridged Group 4 Metallocene Complexes ((R1R2C)-(3,6-tBu2Flu)(3-R3-5-Me-C5H2))MCl2: Synthesis, Structure, Stereochemistry, and Use in Highly Isoselective Propylene Polymerization.	2011
1200	CHRONIC ZEBRAFISH PFOS EXPOSURE ALTERS SEX RATIO AND MATERNAL RELATED EFFECTS IN F1 OFFSPRING	2011
1201	Comparative analysis of adsorption characteristics of perfluorocarbons and hydrocarbons on fluorine-containing surfaces: Gas chromatography data.	2011
1202	Comparative study of low- versus high-resolution liquid chromatography-mass spectrometric strategies for measuring perfluorinated contaminants in fish	2011
1203	Cytotoxicity of new polyfluorinated 1,4-naphthoquinones with diverse substituents in the quinone moiety	2011
1204	Detection of a Cyclic Perfluorinated Acid, Perfluoroethylcyclohexane Sulfonate, in the Great Lakes of North America.	2011
1205	Determination of per- and polyfluorinated substances in airborne particulate matter by microwave-assisted extraction and liquid chromatography–tandem mass spectrometry	2011
1206	Determination of perfluorinated compounds (PFCs) in solid and liquid phase river water samples in Chao Phraya River, Thailand	2011
1207	Determination of perfluorinated compounds in environmental water samples by high-performance liquid chromatography-electrospray tandem mass spectrometry using surfactant-coated Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles as adsorbents	2011
1208	Determination of perfluorinated compounds in fish fillet homogenates: Method validation and application to fillet homogenates from the Mississippi River	2011
1209	Determination of perfluorinated compounds in human plasma and serum Standard Reference Materials using independent analytical methods.	2011
1210	Development of analytical strategies using U-HPLC-MS/MS and LC-ToF-MS for the quantification of micropollutants in marine organisms.	2011
1211	Development of tools and sampling strategies to assess the significance of dietary and environmental exposure to perfluorinated compounds in the UK	2011
1212	DFT-GIAO Calculation of Properties of F-19 NMR and Stability Study of Environmentally Relevant Perfluoroalkylsulfonamides (PFASAmide)	2011
1213	Distribution of perfluorochemicals between sera and milk from the same mothers and implications for prenatal and postnatal exposures	2011
1214	Dynamical Properties of Alcohol 1-Hexyl-3-methylimidazolium Ionic Liquid Mixtures: A Computer Simulation Study.	2011
1215	Effect of C-Terminal Modification on the Self-Assembly and Hydrogelation of Fluorinated Fmoc-Phe Derivatives	2011
1216	Effect of Environmental Contaminants on Beta Cell Function.	2011
1217	Effect of the nature of an organoaluminum activator on catalytic properties of phenoxyimine zirconium complexes in homo- and copolymerization reactions of ethylene.	2011
1218	Effects of environmentally-relevant levels of perfluorooctane sulfonate on clinical parameters and immunological functions in B6C3F1 mice	2011
1219	Effects of perfluorinated compounds on development of zbrafish embryos.	2011
1220	Effects of perfluorooctane sulfonate (PFOS) exposure on markers of inflammation in female B6C3F1 mice	2011
1221	Effects of salinity and organic matter on the partitioning of perfluoroalkyl acid (PFAs) to clay particles	2011
1222	Electrochemical deoxyribonucleic acid damage treated with perfluorinated compounds on peroxide polypyrrole modified gold electrode	2011
1223	Emission inventory for PFOS in China: review of past methodologies and suggestions.	2011
1224	Environmental chemicals in pregnant women in the United States: NHANES 2003-2004.	2011
1225	Environmental Property Modeling of Perfluorodecalin and its Implications for Environmental Fate and Hazards	2011
1226	Evaluation and prediction of pharmacokinetics of PFOA and PFOS in the monkey and human using a PBPK model	2011
1227	Evaluation of perfluorinated compounds in seven wastewater treatment plants in Beijing urban areas	2011
1228	Evolvable process design	2011
1229	Extension of a prediction model to estimate vapor pressures of perfluorinated compounds (PFCs)	2011
1230	Extension of a prediction model to estimate vapor pressures of perfluorinated compounds (PFCs)	2011
1231	Fate of Perfluorinated Carboxylates and Sulfonates During Snowmelt Within an Urban Watershed	2011
1232	Fate of Perfluorooctanesulfonate and perfluorooctanoate in drinking water treatment processes	2011

1233	First Amphiphilic Poly(vinylidene fluoride-co-3,3,3-trifluoropropene)-b-oligo(vinyl alcohol) Block Copolymers as Potential Nonpersistent Fluorosurfactants from Radical Polymerization Controlled by Xanthate	2011
1234	Fluorinated alkyl compounds including long chain carboxylic acids in wild bird livers from Japan	2011
1235	Fluorinated contrast agents for magnetic resonance imaging: a review of recent developments	2011
1236	Fluorinated Heterometallic $\beta$ -Diketonates as Volatile Single-Source Precursors for the Synthesis of Low-Valent Mixed-Metal Fluorides.	2011
1237	Friction Properties of Fluorinated Carbon Nanodisks and Nanocoines.	2011
1238	GIS-based source identification and apportionment of diffuse water pollution: Perfluorinated compound pollution in the Tokyo Bay basin	2011
1239	Graphene dispersion and graphene paper from highly exfoliated graphite.	2011
1240	Health effects of persistent organic pollutants: The challenge for the Pacific Basin and for the world	2011
1241	High rate oxygen reduction in non-aqueous electrolytes with the addition of perfluorinated additives	2011
1242	Highly diastereoselective photochromic ring closure of bisbenzothienylethenes possessing dual fluorinated stereocontrollers	2011
1243	Highly efficient asymmetric vinylous Mannich reaction induced by O-pivaloylated D-galactosylamine as the chiral auxiliary	2011
1244	Highly efficient deep-blue organic electroluminescent devices doped with hexaphenylanthracene fluorophores	2011
1245	Highly enantioselective synthesis of $\alpha$ -fluoro- $\alpha$ -nitro esters via organocatalyzed asymmetric Michael addition	2011
1246	Highly fluorinated and photocrosslinkable liquid prepolymers for flexible optical waveguidesElectronic supplementary information (ESI) available: IR, <sup>1</sup> H NMR, <sup>19</sup> F NMR spectra of compounds 4 and 5, prepolymers 7 and 8, DSC thermograms of prepolymers 7 and 8, their films, the solubility test results of the films. See DOI: 10.1039/c0jm02604b	2011
1247	Highly fluorinated biphenyl ether systems as dopants for fast-response liquid crystal display applications.	2011
1248	Highly Fluorous Porphyrins as Model Compounds for Molecule Interferometry	2011
1249	Highly regioselective Pd-catalyzed allylic alkylation of fluorobis(phenylsulfonyl)methane	2011
1250	Highly Selective Electrosynthesis of Biphenols on Graphite Electrodes in Fluorinated Media	2011
1251	Highly Trifluoromethylated Platinum Compounds	2011
1252	HPLC Separation of 30 Perfluorinated Compounds and Isomers Using a Pentafluorophenyl Reverse Phase Column	2011
1253	Human Nails Analysis as Biomarker of Exposure to Perfluoroalkyl Compounds	2011
1254	Hydrophilic polycarbonate for generation of oil in water emulsions in microfluidic devicesElectronic supplementary information (ESI) available: See DOI: 10.1039/c0le00438c.	2011
1255	Hypersensitivity in the Luminescence and $^4$ F <sub>4</sub> f Absorption Properties of Mono- and Dinuclear Eu and Er Complexes Based on Fluorinated $\beta$ -Diketone and Diimine/ Bis-Diimine Ligands.	2011
1256	Identification of perfluoroalkyl acid sources in Swiss surface waters with the help of the artificial sweetener acesulfame	2011
1257	Impact of perfluorooctanesulfonate and perfluorooctanoic acid on human peripheral leukocytes	2011
1258	Impacts of two perfluorinated compounds (PFOS and PFOA) on human hepatoma cells: Cytotoxicity but no genotoxicity?	2011
1259	Improved Performance of Fluorinated Copper Phthalocyanine Thin Film Transistors Using Para-hexaphenyl as the Inducing Layer.	2011
1260	In vitro evaluation of the immunotoxic potential of perfluorinated compounds (PFCs)	2011
1261	Inflammation-like glial response in rat brain induced by prenatal PFOS exposure	2011
1262	Influence of alkoxy chain length and fluorosubstitution on mesogenic and spectral properties of high tilted antiferroelectric esters	2011
1263	Investigation of C60F36 as low-volatility p-dopant in organic optoelectronic devices	2011
1264	Isomer Profiles of Perfluorochemicals in Matched Maternal, Cord, and House Dust Samples: Manufacturing Sources and Transplacental Transfer	2011
1265	Lake-wide distribution and depositional history of current- and past-use persistent organic pollutants in Lake Simcoe, Ontario, Canada	2011
1266	Landfills as sources of polyfluorinated compounds, polybrominated diphenyl ethers and musk fragrances to ambient air	2011
1267	Letter to the Editor regarding "Polyfluorinated Compounds: Past, Present, and Future".	2011
1268	Levels of Perfluorinated Compounds in Food and Dietary Intake of PFOS and PFOA in The Netherlands	2011
1269	Lewis acid-promoted (3+2) cycloadditions and multi-component reactions of methyleneaziridines	2011
1270	Long-Term Environmental Fate of Perfluorinated Compounds after Accidental Release at Toronto Airport	2011
1271	Mass flows of perfluorinated compounds (PFCs) in central wastewater treatment plants of industrial zones in Thailand	2011
1272	Mechanism of cytotoxic action of perfluorinated acids. III. Disturbance in Ca <sup>2+</sup> homeostasis	2011
1273	Method development for analysis of short- and long-chain perfluorinated acids in solid matrices	2011
1274	Method for the determination of perfluorinated compounds (PFCs) in water by solid-phase extraction and liquid chromatography/tandem mass spectrometry (LC/MS/MS)	2011
1275	Modifying the surface of Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> magnetic nanoparticles with C18/NH <sub>2</sub> mixed group to get an efficient sorbent for anionic organic pollutants	2011
1276	Modulation of dietary fat on the toxicological effects in thymus and spleen in BALB/c mice exposed to perfluorooctane sulfonate	2011
1277	Monitoring the Health of Populations With Polluted Drinking Water. The Example of Perfluorinated Compounds	2011
1278	Multilayer soft lithography of perfluoropolyether based elastomer for microfluidic device fabrication.	2011
1279	Multiple resonance heteronuclear decoupling under MAS: Dramatic increase of spectral resolution at moderate magnetic field and MAS frequencies	2011
1280	N <sub>2</sub> ,N <sub>2</sub> ,N <sub>6</sub> ,N <sub>6</sub> -Tetrakis(2,3,4,5,6-pentafluorobenzoyl)pyridine-2,6-diamine	2011
1281	New fluorinated aromatic poly(ether-amide)s derived from 2,2'-bis(3,4,5-trifluorophenyl)-4,4'-diaminodiphenyl ether and various dicarboxylic acids	2011
1282	New methods for nucleophilic fluorination	2011
1283	New perspectives of <sup>19</sup> F MAS NMR in the characterization of amorphous forms of atorvastatin in dosage formulations	2011
1284	NEW UHPLC-MS METHOD FOR TRACE-LEVEL ANALYSIS OF PERFLUORINATED COMPOUNDS IN HUMAN BREAST MILK.	2011
1285	Nickel-Catalyzed Cross-Coupling of Styrenyl Epoxides with Boronic Acids	2011
1286	Occurrence and partition of perfluorinated compounds in water and sediment from Liao River and Taihu Lake, China	2011
1287	Occurrence and source characterization of perfluorochemicals in an urban watershed	2011
1288	Occurrence of perfluorinated compounds in water, sediment and mussels from the Cantabrian Sea (North Spain)	2011
1289	Occurrence of perfluorinated organic acids in the North and Baltic seas. Part 1: distribution in sea water.	2011
1290	Occurrence of perfluorooctanoate and perfluorooctanesulfonate in the Korean water system: Implication to water intake exposure	2011
1291	Orthogonal processing and patterning enabled by highly fluorinated light-emitting polymers.	2011
1292	Partition of Environmental Chemicals between Maternal and Fetal Blood and Tissues.	2011
1293	Partitioning behaviour of perfluorinated alkyl contaminants between water, sediment and fish in the Orge River (nearby Paris, France).	2011
1294	Per- and polyfluorinated compounds in house dust and indoor air from northern Norway - A pilot study	2011
1295	Perfluorinated acids and hypothyroxinemia in pregnant women	2011
1296	Perfluorinated chemicals in blood of residents in Wenzhou, China	2011
1297	Perfluorinated compounds (PFCs) in Yodo River system, Japan.	2011
1298	Perfluorinated compounds differentially affect steroidogenesis and viability in the human adrenocortical carcinoma (H295R) in vitro cell assay	2011
1299	Perfluorinated Compounds Distribution and Source Identification in Sediments of Lake Victoria Gulf Basin	2011
1300	Perfluorinated Compounds Exposure Through Tap Waters in Korea	2011
1301	Perfluorinated Compounds in Aquatic Products from Bohai Bay, Tianjin, China	2011
1302	Perfluorinated compounds in estuarine and coastal areas of north Bohai Sea, China.	2011
1303	Perfluorinated compounds in food: a global perspective.	2011
1304	Perfluorinated compounds in Haihe River and Dagu Drainage Canal in Tianjin, China	2011
1305	Perfluorinated compounds in human blood around Bohai Sea, China	2011
1306	Perfluorinated compounds in human blood around Bohai Sea, China	2011
1307	Perfluorinated Compounds in Human Blood, Water, Edible Freshwater Fish, and Seafood in China: Daily Intake and Regional Differences in Human Exposures.	2011
1308	Perfluorinated compounds in surface waters and WWTPs in Shenyang, China: Mass flows and source analysis	2011
1309	Perfluorinated Compounds in the Asian Atmosphere.	2011
1310	Perfluorinated Compounds in the Environment and the Blood of Residents Living near Fluorochemical Plants in Fuxin, China	2011
1311	Perfluorinated compounds in water and sediment from coastal regions of the northern Bohai Sea, China	2011
1312	Perfluorinated compounds in water, sediment and soil from Guanting Reservoir, China.	2011
1313	Perfluoroalkyl and polyfluoroalkyl substances in the environment: Terminology, classification, and origins.	2011
1314	Perfluoroalkyl compounds in dust from Asian, Australian, European, and North American homes and UK cars, classrooms, and offices	2011
1315	Perfluoroalkyl sulfonates cause alkyl chain length-dependent hepatic steatosis and hypolipidemia mainly by impairing lipoprotein production in APOE*3-Leiden CETP mice.	2011

1316	Perfluorocarbon exposure, gender and thyroid function in the C8 Health Project	2011
1317	Perfluorodecanoic Acid Binding to Hemoproteins: New Insights from Spectroscopic Studies	2011
1318	Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoic Acid (PFOA) in Water Environment of Singapore.	2011
1319	Perfluorooctane Sulfonate Induces Apoptosis in N9 Microglial Cell Line	2011
1320	PERSISTENT ORGANIC POLLUTANTS IN BLOOD PLASMA OF SATELLITE-TRACKED ADULT MALE LOGGERHEAD SEA TURTLES (CARETTA CARETTA)	2011
1321	PFOS prenatal exposure induce mitochondrial injury and gene expression change in hearts of weaned SD rats	2011
1322	Photochemical reactivity of perfluorooctanoic acid (PFOA) in conditions representing surface water	2011
1323	Pilot investigation of perfluorinated compounds in river water, sediment, soil and fish in Tianjin, China	2011
1324	PLASMA CONCENTRATIONS OF PERFLUORINATED COMPOUNDS AND SUBFECUNDITY IN THE NORWEGIAN MOTHER AND CHILD COHORT STUDY	2011
1325	Plasma Surface Modified TiO <sub>2</sub> Nanoparticles: Improved Photocatalytic Oxidation of Gaseous m-Xylene	2011
1326	Poly(arylene ether sulfone)s ionomers with pendant quaternary ammonium groups for alkaline anion exchange membranes: Preparation and stability issues	2011
1327	Polyfluorinated surfactants (PFS) in paper and board coatings for food packaging.	2011
1328	Prediction of Aqueous Solubility, Vapor Pressure and Critical Micelle Concentration for Aquatic Partitioning of Perfluorinated Chemicals	2011
1329	Prenatal exposure to perfluorinated chemicals and behavioral or coordination problems at age 7 years.	2011
1330	Preparation of photo curable highly hydrophobic coatings using a modified castor oil derivative as a sol-gel component	2011
1331	Production and commissioning of a large prototype Digital Hadron Calorimeter for future colliding beam experiments.	2011
1332	Progress and perspective of perfluorinated compound risk assessment and management in various countries and institutes	2011
1333	Purification of firefighting water containing a fluorinated surfactant by reverse osmosis coupled to electrocoagulation-filtration	2011
1334	Quantifying Diffuse and Point Inputs of Perfluoroalkyl Acids in a Nonindustrial River Catchment	2011
1335	Quantitative detection of trace perfluorinated compounds in environmental water samples by Matrix-assisted Laser Desorption/Ionization-Time of Flight Mass Spectrometry with 1,8-bis(tetramethylguanidino)-naphthalene as matrix	2011
1336	Radical-mediated enzymatic carbon chain fragmentation-recombination.	2011
1337	Rare monosaccharides and biologically active iminosugars from carbohydrate chitons	2011
1338	Recent developments in trace analysis of poly- and perfluoroalkyl substances	2011
1339	Regio-selective hydroxylation of gem-difluorinated octanes by alkane hydroxylase (AlkB)	2011
1340	Relative importance of wastewater treatment plants and non-point sources of perfluorinated compounds to Washington State rivers	2011
1341	Removal of perfluorooctanoate from surface water by polyaluminium chloride coagulation	2011
1342	Removal of PFOA by hybrid membrane filtration using PAC and hydrotalcite	2011
1343	Removal of PFOS, PFOA and other perfluoroalkyl acids at water reclamation plants in South East Queensland Australia	2011
1344	Review of 'emerging' organic contaminants in biosolids and assessment of international research priorities for the agricultural use of biosolids	2011
1345	Risk assessment for human consumption of perfluorinated compound-contaminated freshwater and marine fish from Hong Kong and Xiamen	2011
1346	Solubility of non-ionic poly(fluorooxetane)-block-(ethylene oxide)-block-(fluorooxetane) surfactants in carbon dioxide	2011
1347	Sorption of Perfluorochemicals to Granular Activated Carbon in the Presence of Ultrasound	2011
1348	Spatial and Temporal Trends of Perfluorinated Compounds in Beluga Whales ( <i>Delphinapterus leucas</i> ) from Alaska.	2011
1349	Spatially Detailed Survey on Pollution by Multiple Perfluorinated Compounds in the Tokyo Bay Basin of Japan	2011
1350	Structural isomers of polyfluorinated di- and tri-alkylated phosphate ester surfactants present in industrial blends and in microwave popcorn bags.	2011
1351	Structure-activity relationship assessment of four perfluorinated chemicals using a prolonged zebrafish early life stage test	2011
1352	Survey of patterns, levels, and trends of perfluorinated compounds in aquatic organisms and bird eggs from representative German ecosystems	2011
1353	Synthesis and biological evaluation of anti-inflammatory activity of 1,3 diphenyl propenone derivatives	2011
1354	Synthesis and characterization of the La1-x Sr x FeO3-δ system and the fluorinated phases La1-x Sr x FeO3-x F x	2011
1355	Synthesis and in vitro cytotoxicity evaluation of some fluorinated hexahydropyrimidine derivatives	2011
1356	Synthesis and properties of organosoluble polyimides based on novel perfluorinated monomer hexafluoro-2,4-toluenediamine	2011
1357	Synthesis and self-assembly of novel fluoros cationic amphiphiles with a 3,4-dihydro-2(1H)-pyridone spacer	2011
1358	Synthesis of 2',3'-dideoxy-6'-fluorocarboxylic nucleosides via Reformatskii-Claisen rearrangement	2011
1359	Synthesis of Bi- and Tetraacatenar Highly Fluorinated Compounds for Grafting on Silicone Materials.	2011
1360	Synthesis of $\alpha$ -Halo- $\omega$ $\alpha$ -difluoromethyl Ketones by a Trifluoroacetate Release/Halogenation Protocol.	2011
1361	Synthesis, Characterization, and Applications of Hemifluorinated Dibranching Amphiphiles.	2011
1362	Synthesis, conformation and biology of naphthoxyloides	2011
1363	Temporal and life history related trends of perfluorochemicals in harbor porpoises from the Danish North Sea	2011
1364	Temporal and spatial trends of persistent organic pollutants in air and soil : implications for their sources and environmental cycling	2011
1365	Temporal Changes in the Levels of Perfluorinated Compounds in California Women's Serum over the Past 50 Years.	2011
1366	Testicular Signaling Is the Potential Target of Perfluorooctanesulfonate-Mediated Subfertility in Male Mice	2011
1367	The effect of prenatal perfluorinated chemicals exposures on pediatric atopy	2011
1368	The Effect of Surface Adsorption and Molecular Geometry on the Determination of Henry's Law Constants for Fluorotelomer Alcohols	2011
1369	The impact of environmental exposure to perfluorinated compounds on oocyte fertilization capacity.	2011
1370	The inhibition of human and rat 11 $\beta$ -hydroxysteroid dehydrogenase 2 by perfluoroalkylated substances	2011
1371	The OBELIX project: early life exposure to endocrine disruptors and obesity.	2011
1372	The occurrence of chemical elements and POPs in loggerhead turtles ( <i>Caretta caretta</i> ): An overview	2011
1373	The search for alternative aqueous film forming foams (AFFF) with a low environmental impact: Physiological and transcriptomic effects of two Forafac® fluorosurfactants in turbot	2011
1374	The suitability of concentration addition for predicting the effects of multi-component mixtures of up to 17 anti-androgens with varied structural features in an in vitro AR antagonist assay	2011
1375	The synthesis and properties of highly exfoliated graphites from fluorinated graphite intercalation compounds	2011
1376	Tissue bioaccumulation patterns, xenobiotic biotransformation and steroid hormone levels in Atlantic salmon ( <i>Salmo salar</i> ) fed a diet containing perfluoroctane sulfonic or perfluoroctane carboxylic acids	2011
1377	Tools to discover anionic and nonionic polyfluorinated alkyl surfactants by liquid chromatography electrospray ionisation mass spectrometry	2011
1378	Topotactic Synthesis and Crystal Structure of a Highly Fluorinated Ruddlesden-Popper-Type Iron Oxide, Sr <sub>3</sub> Fe <sub>2</sub> O <sub>5</sub> ·xF <sub>2-x</sub> (x approximate to 0.44)	2011
1379	Toxicity of fluorotelomer carboxylic acids to the algae <i>Pseudokirchneriella subcapitata</i> and <i>Chlorella vulgaris</i> , and the amphipod <i>Hyalella azteca</i>	2011
1380	Toxicology of perfluorinated compounds.	2011
1381	Trans-Placental Transfer of Thirteen Perfluorinated Compounds and Relations with Fetal Thyroid Hormones	2011
1382	Trifluoromethyl- or pentafluorosulfanyl-substituted poly-1,2,3-triazole compounds as dense stable energetic materials	2011
1383	Trophic Magnification of Poly- and Perfluorinated Compounds in a Subtropical Food Web	2011
1384	Waste water treatment plants as sources of polyfluorinated compounds, polybrominated diphenyl ethers and musk fragrances to ambient air	2011
1385	Water matrix effect on UV photodegradation of perfluorooctanoic acid	2011
1386	[Commentary on] Serum vaccine antibody concentrations in children exposed to perfluorinated compounds.	2012
1387	A facile and efficient synthesis of 2-amino-3-cyano-4H-chromenes and tetrahydrobenzo[b]pyrans using 2,2,2-trifluoroethanol as a metal-free and reusable medium	2012
1388	A high dynamic range method for the direct readout of a dynamic phase change in homodyne interferometers.	2012
1389	A highly efficient, green and recoverable catalytic system for the epoxidation of fatty esters and biodiesel with H <sub>2</sub> O <sub>2</sub>	2012
1390	A matrix effect-free method for reliable quantification of perfluoroalkyl carboxylic acids and perfluoroalkane sulfonic acids at low parts per trillion levels in dietary samples	2012
1391	A New Class of Highly Potent Matrix Metalloproteinase Inhibitors Based on Triazole-Substituted Hydroxamates: (Radio)Synthesis and in Vitro and First in Vivo Evaluation	2012
1392	A new electronically deficient atropisomeric diphosphine ligand (S)-CF <sub>3</sub> O-BiPhep and its application in asymmetric hydrogenation	2012
1393	A New Tandem Cross Metathesis-Intramolecular Aza-Michael Reaction for the Synthesis of $\alpha,\alpha$ -Difluorinated Lactams.	2012
1394	A rapid and sensitive assay of perfluorocarboxylic acids in aqueous matrices by headspace solid phase microextraction-gas chromatography-triple quadrupole mass spectrometry	2012
1395	A simple and rapid extraction method for sensitive determination of perfluoroalkyl substances in blood serum suitable for exposure evaluation	2012
1396	Absorption and Excretion of C-14-Perfluorooctanoic Acid (PFOA) in Angus Cattle ( <i>Bos taurus</i> )	2012
1397	Acute toxicity of poly- and perfluorinated compounds to two cladocerans, <i>Daphnia magna</i> and <i>Chydorus sphaericus</i> .	2012
1398	Adsorption of perfluorinated compounds on thin-film composite polyamide membranes	2012

1399	Allocation of reliable analytical procedures for human biomonitoring published by the DFG Senate Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area	2012
1400	Analysis of 18 perfluorinated compounds in river waters: Comparison of high performance liquid chromatography–tandem mass spectrometry, ultra-high-performance liquid chromatography–tandem mass spectrometry and capillary liquid chromatography–mass spectrometry	2012
1401	Analysis of Perfluoroalkyl Carboxylic Acids in Composite Dietary Samples by Gas Chromatography/Mass Spectrometry with Electron Capture Negative Ionization	2012
1402	Analysis of perfluoroalkyl substances in cord blood by turbulent flow chromatography coupled to tandem mass spectrometry	2012
1403	Analysis of perfluoroalkyl substances in waters from Germany and Spain	2012
1404	Analytical procedures for the determination of surfactants in environmental samples	2012
1405	Application of rotating cylinder method for ecotoxicological evaluation of antifouling paints	2012
1406	Assessment of perfluorinated compounds (PFCs) in plasma of bottlenose dolphins from two southeast US estuarine areas: Relationship with age, sex and geographic locations	2012
1407	Assessment of sorbent impregnated PUF disks (SIPs) for long-term sampling of legacy POPs.	2012
1408	Association between perfluorinated compounds and time to pregnancy in a prospective cohort of Danish couples attempting to conceive.	2012
1409	Atmospheric fate of poly- and perfluorinated alkyl substances (PFASs): I. Day-night patterns of air concentrations in summer in Zurich, Switzerland	2012
1410	Automated analysis of perfluorinated compounds in human hair and urine samples by turbulent flow chromatography coupled to tandem mass spectrometry.	2012
1411	Base-Promoted Heterocyclization of Fluorinated Alkynylphosphonates with Select ortho-Aminobenzonitriles.	2012
1412	Batch and column study: Sorption of perfluorinated surfactants from water and cosolvent systems by Amber lite XAD resins	2012
1413	Behavior of perfluorinated compounds in soils during leaching experiments	2012
1414	Biodefluorination and biotransformation of fluorotelomer alcohols by two alkane-degrading Pseudomonas strains	2012
1415	Blood plasma clinical–chemical parameters as biomarker endpoints for organohalogen contaminant exposure in Norwegian raptor nestlings.	2012
1416	Breast cancer in the Arctic – changes over the past decades	2012
1417	Characterization of the Temporary Anion States on Perfluoroalkanes via Stabilized Koopmans’ Theorem in Long-Range Corrected Density Functional Theory.	2012
1418	China’s water pollution by persistent organic pollutants	2012
1419	Comparison of polyfluoroalkyl compound concentrations in maternal serum and amniotic fluid: A pilot study	2012
1420	Convenient MCRs Synthesis of Trifluoromethylated Pyrano[4,3-b]pyrans and Their Further Transformation.	2012
1421	CORRECTION.	2012
1422	Coupled chromatographic and mass-spectrometric techniques for the analysis of emerging pollutants in the aquatic environment	2012
1423	Decomposition of perfluorooctanoic acid by microwaveactivated persulfate: Effects of temperature, pH, and chloride ions	2012
1424	Decyl-perfluorinated magnetic mesoporous microspheres for extraction and analysis perfluorinated compounds in water using ultrahigh-performance liquid chromatography-mass spectrometry	2012
1425	Deep sequencing-based transcriptome profiling analysis of <i>Oryzias melastigma</i> exposed to PFOS	2012
1426	Determination and partitioning behavior of perfluoroalkyl carboxylic acids and perfluorooctanesulfonate in water and sediment from Dianchi Lake, China	2012
1427	Determination of C-5-C-12 perfluoroalkyl carboxylic acids in river water samples in the Czech Republic by GC-MS after SPE preconcentration	2012
1428	Determination of perfluorinated alkylated substances in sediments and sediment core from the Gulf of Gdańsk, Baltic Sea.	2012
1429	Determination of perfluorinated compounds in mollusks by matrix solid-phase dispersion and liquid chromatography–tandem mass spectrometry.	2012
1430	Determination of perfluoroalkyl carboxylic, sulfonic, and phosphonic acids in food	2012
1431	Determination of Perfluorochemicals in Cow’s Milk Using Liquid Chromatography–Tandem Mass Spectrometry	2012
1432	Determination of Perfluorochemicals in Human Milk Using Isotope-dilution Liquid Chromatography–Tandem Mass Spectrometry	2012
1433	Determination of perfluorochemicals in popcorn packaging by pressurised liquid extraction and ultra-performance liquid chromatography–tandem mass spectrometry	2012
1434	Determination of polyfluoroalkyl phosphoric acid diesters, perfluoroalkyl phosphonic acids, perfluoroalkyl phosphinic acids, and perfluoroalkane sulfonic acids in lake trout from the Great Lakes region	2012
1435	Determination of ten perfluorinated compounds in sludge amended soil by ultrasonic extraction and liquid chromatography–tandem mass spectrometry	2012
1436	Development of extraction methods for the analysis of perfluorinated compounds in human hair and nail by high performance liquid chromatography tandem mass spectrometry	2012
1437	Dietary Bioaccumulation of Perfluorophosphonates and Perfluorophosphinates in Juvenile Rainbow Trout: Evidence of Metabolism of Perfluorophosphinates	2012
1438	Dietary exposure to perfluoroalkyl acids for the Swedish population in 1999, 2005 and 2010	2012
1439	Direct UV-written highly fluorinated aromatic-aliphatic copolyethers for optical waveguides	2012
1440	Distribution and desorption of perfluorinated compounds in fractionated sediments	2012
1441	Distribution and long-range transport of polyfluoroalkyl substances in the Arctic, Atlantic Ocean and Antarctic coast	2012
1442	Distribution of perfluorinated compounds in water, sediment, biota and floating plants in Baiyangdian Lake, China	2012
1443	Distribution of perfluorinated compounds in Yellow-legged gull eggs ( <i>Larus michahellis</i> ) from the Iberian Peninsula	2012
1444	Does developmental exposure to perfluorooctanoic acid (PFOA) induce immunopathologies commonly observed in neurodevelopmental disorders?	2012
1445	Effect of effluent organic matter on the adsorption of perfluorinated compounds onto activated carbon	2012
1446	Effects of heavy prenatal alcohol exposure and iron deficiency anemia on child growth and body composition through age 9 years	2012
1447	Effects of per- and polyfluorinated compounds on adult rat testicular cells following in vitro exposure	2012
1448	Electro-optic and dielectric investigations of a perfluorinated compound showing orthoconic antiferroelectric liquid crystal	2012
1449	Enantiospecific Perfluorooctane Sulfonate (PFOS) Analysis Reveals Evidence for the Source Contribution of PFOS-Precursors to the Lake Ontario Foodweb	2012
1450	Environmental contamination, human exposure and body loadings of perfluorooctane sulfonate (PFOS), focusing on Asian countries	2012
1451	Estimating the aquatic emissions and fate of perfluorooctane sulfonate (PFOS) into the river Rhine	2012
1452	Evidence of an odd-even effect on the thermodynamic parameters of odd fluorotelomer alcohols	2012
1453	Examination of Eurasian griffon vultures ( <i>Gyps fulvus fulvus</i> ) in Israel for exposure to environmental toxicants using dried blood spots.	2012
1454	Exceptionally High Serum Concentrations of Perfluorohexanesulfonate in a Canadian Family are Linked to Home Carpet Treatment Applications	2012
1455	Exploration of the binding proteins of perfluorooctane sulfonate by a T7 phage display screen	2012
1456	Exposure of perfluorooctanoic acid suppresses the hepatic insulin signal pathway and increases serum glucose in rats	2012
1457	Fate of a broad spectrum of perfluorinated compounds in soils and biota from Tierra del Fuego and Antarctica	2012
1458	Fate, distribution, and contrasting temporal trends of perfluoroalkyl substances (PFASs) in Lake Ontario, Canada	2012
1459	Filling the gap: Chemistry of 3,5-bis(trifluoromethyl)-1H-pyrazoles	2012
1460	Fluorinated Hydroxalates: The Addition of Highly Electronegative Species in Layered Double Hydroxides To Tune Basicity	2012
1461	Fluorine Speciation Analysis Using Reverse Phase Liquid Chromatography Coupled Off-Line to Continuum Source Molecular Absorption Spectrometry (CS-MAS): Identification and Quantification of Novel Fluorinated Organic Compounds in Environmental and Biological Samples	2012
1462	Fluorous catalyst recycling utilising highly fluorinated zinc compounds: Ring opening polymerisation of $\epsilon$ -caprolactone	2012
1463	Functionalized Graphene-Coated Cobalt Nanoparticles for Highly Efficient Surface-Assisted Laser Desorption/Ionization Mass Spectrometry Analysis	2012
1464	Gas sorption and characterization of thermally rearranged polyimides based on 3,3'-dihydroxy-4,4'-diamino-biphenyl (HAB) and 2,2'-bis-(3,4-dicarboxyphenyl) hexafluoropropane dianhydride (6FDA)	2012
1465	General and highly efficient fluorinated-N-heterocyclic carbene-based catalysts for the palladium-catalyzed Suzuki–Miyaura reaction	2012
1466	Global Liver Proteome Analysis Using iTRAQ Labeling Quantitative Proteomic Technology to Reveal Biomarkers in Mice Exposed to Perfluorooctane Sulfonate (PFOS)	2012
1467	Glucan-Resveratrol-Vitamin C Combination Offers Protection against Toxic Agents	2012
1468	Halogenerated organic contaminants and their correlations with circulating thyroid hormones in developing Arctic seabirds	2012
1469	Health risks of dietary exposure to perfluorinated compounds	2012
1470	High Speed Separation of PFCs in Human Serum by C18-Monolithic Column Liquid Chromatography–Tandem Mass Spectrometry	2012
1471	High-dose dietary exposure of mice to perfluorooctanoate or perfluorooctane sulfonate exerts toxic effects on myeloid and B-lymphoid cells in the bone marrow and these effects are partially dependent on reduced food consumption	2012
1472	Highly efficient sorption of perfluorooctane sulfonate and perfluorooctanoate on a quaternized cotton prepared by atom transfer radical polymerization	2012
1473	Highly Fluorinated Aryl-Substituted Tris(indazolyl)borate Thallium Complexes: Diverse Regiochemistry at the B–N Bond.	2012
1474	How many persistent organic pollutants should we expect?	2012
1475	Human biomonitoring of environmental chemicals—Early results of the 2007–2009 Canadian Health Measures Survey for males and females	2012
1476	Human Exposure to Perfluorinated Compounds in Catalonia, Spain: Contribution of Drinking Water and Fish and Shellfish.	2012
1477	Human exposure to polycyclic aromatic hydrocarbons (PAHs) using data from a duplicate diet study in Catalonia, Spain	2012



1478	Identification of 1-(3-(6,7-Dimethoxyquinazolin-4-yloxy)phenyl)-3-(5-(1,1,1-trifluoro-2-methylpropan-2-yl)isoxazol-3-yl)urea Hydrochloride (CEP-32496), a Highly Potent and Orally Efficacious Inhibitor of V-RAF Murine Sarcoma Viral Oncogene Homologue B1 (BRAF) V600E	2012
1479	Immunotoxicity of perfluorinated compounds: recent developments.	2012
1480	In Ovo Effects of Perfluorohexane Sulfonate and Perfluorohexanoate on Pipping Success, Development, mRNA Expression, and Thyroid Hormone Levels in Chicken Embryos	2012
1481	In vitro characterization of the immunotoxic potential of several perfluorinated compounds (PFCs)	2012
1482	Increasing levels of long-chain perfluorocarboxylic acids (PFCAs) in Arctic and North Atlantic marine mammals, 1984-2009	2012
1483	Increasing the activity of copper(II) complexes against Leishmania through lipophilicity and pro-oxidant ability.	2012
1484	Increasing the flexoelectric ratio of liquid crystals using highly fluorinated ester-linked bimesogens	2012
1485	In-Depth Profiling of Degradation Processes in a Fuel Cell: 2D Spectral-Spatial FTIR Spectra of Nafion Membranes	2012
1486	Influence of membrane organization on the interactions between persistent pollutants and model membranes	2012
1487	Influence of the interdigitated gel phase in mixtures of ether-linked and monofluorinated ester-linked phospholipids	2012
1488	Input characterization of perfluoroalkyl substances in wastewater treatment plants: Source discrimination by exploratory data analysis	2012
1489	Intermolecular and Intramolecular Hydrogen Bonds Involving Fluorine Atoms: Implications for Recognition, Selectivity, and Chemical Properties	2012
1490	Investigation of the degradation of cresols in the treatments with ozone	2012
1491	Liquid Chromatography-Tandem Mass Spectrometry Analysis of Perfluorooctane Sulfonate and Perfluorooctanoic Acid in Fish Fillet Samples	2012
1492	Long-term effects of a binary mixture of perfluorooctane sulfonate (PFOS) and bisphenol A (BPA) in zebrafish ( <i>Danio rerio</i> )	2012
1493	Luminescent nine-coordinate lanthanide complexes derived from fluorinated $\beta$ -diketone and 2,4,6-tris(2-pyridyl)-1,3,5-triazine.	2012
1494	Major perfluoroalkyl acid (PFAA) concentrations and influence of food consumption among the general population of Daegu, Korea	2012
1495	Methods for the determination of biomarkers of exposure to emerging pollutants in human specimens	2012
1496	NanoSIMS50-a powerful tool to elucidate cellular localization of halogenated organic compounds	2012
1497	National screening study on 10 perfluorinated compounds in raw and treated tap water in France.	2012
1498	New developments in the trace analysis of organic water pollutants.	2012
1499	New fluorinated surfactants based on vinylidene fluoride telomers	2012
1500	Occurrence and fate of perfluorinated compounds in sewage sludge from Spain and Germany.	2012
1501	Occurrence of different classes of perfluorinated compounds in Greek wastewater treatment plants and determination of their solid-water distribution coefficients	2012
1502	Occurrence of perfluorinated compounds in water and sediment of L'Albufera Natural Park (Valencia, Spain).	2012
1503	Occurrence of perfluorinated organic acids in the North and Baltic Seas. Part 2: distribution in sediments.	2012
1504	Occurrence of Perfluoroalkyl Compounds in Surface Waters from the North Pacific to the Arctic Ocean	2012
1505	Occurrence of Perfluoroalkyl Substances in Fish and Water from the Svitava and Svratka Rivers, Czech Republic.	2012
1506	Occurrence of priority and emerging organic compounds in fishes from the Rhone River (France).	2012
1507	Optimization of the synthesis of 4'-nonafluorobutylacetophenone by metal catalysed cross-coupling reaction	2012
1508	Organohalogen contaminants of emerging concern in Great Lakes fish: a review.	2012
1509	Oxidative Conversion as a Means of Detecting Precursors to Perfluoroalkyl Acids in Urban Runoff	2012
1510	P5—Simultaneous monitoring of matrix interferents during the analysis of perfluorinated compounds in tissue with a novel dual san-MRM approach	2012
1511	P6—Measurements of perfluorinated compounds in plasma of northern fur seals ( <i>Callorhinus ursinus</i> ) and a preliminary assessment of their relationship to peroxisome proliferation and blood chemistry parameters	2012
1512	Partial life-cycle and acute toxicity of perfluoroalkyl acids to freshwater mussels.	2012
1513	Passive air sampling of semi-volatile organic compounds	2012
1514	Per- and polyfluorinated compounds (PFCs) in house dust and indoor air in Catalonia, Spain: Implications for human exposure	2012
1515	Per- and Polyfluoroalkyl Substances in Landfill Leachate: Patterns, Time Trends, and Sources.	2012
1516	Per- and polyfluoroalkyl substances in snow, lake, surface runoff water and coastal seawater in Fildes Peninsula, King George Island, Antarctica	2012
1517	Perfluorinated compounds and immunotoxicity in children.	2012
1518	Perfluorinated Compounds and Subfecundity in Pregnant Women	2012
1519	Perfluorinated Compounds as Test Media for Porous Membranes.	2012
1520	Perfluorinated compounds in a coastal industrial area of Tianjin, China.	2012
1521	Perfluorinated Compounds in Relation to Birth Weight in the Norwegian Mother and Child Cohort Study.	2012
1522	Perfluorinated compounds in seafood from coastal areas in China	2012
1523	Perfluorinated Compounds in Surface Water and Organisms from Baiyangdian Lake in North China: Source Profiles, Bioaccumulation and Potential Risk.	2012
1524	Perfluorinated compounds in surface waters from Northern China: Comparison to level of industrialization	2012
1525	Perfluorinated compounds in surficial sediments of the Ganges River and adjacent Sundarban mangrove wetland, India	2012
1526	Perfluorinated compounds in the vicinity of a fire training area— Human biomonitoring among 10 persons drinking water from contaminated private wells in Cdoigne, Germany	2012
1527	Perfluorinated compounds in umbilical cord blood and adverse birth outcomes.	2012
1528	Perfluorinated Compounds in Umbilical Cord Blood and Adverse Birth Outcomes.	2012
1529	Perfluorinated compounds may lower vaccine protection in children.	2012
1530	Perfluoroalkyl acids in urban stormwater runoff: Influence of land use	2012
1531	Perfluoroalkyl and polyfluoroalkyl substances (PFASs) in consumer products in Norway - A pilot study	2012
1532	Perfluoroalkyl chemicals in vacuum cleaner dust from 39 Wisconsin homes	2012
1533	Perfluoroalkyl compounds (PFCs) in wildlife from an urban estuary	2012
1534	Perfluoroalkyl compounds in municipal WWTPs in Tianjin, China—concentrations, distribution and mass flow.	2012
1535	Perfluoroalkyl Contaminants in Lake Ontario Lake Trout: Detailed Examination of Current Status and Long-Term Trends	2012
1536	Perfluoroalkyl contaminants in plasma of five sea turtle species: Comparisons in concentration and potential health risks	2012
1537	Perfluoroalkyl substances in polar bear mother-cub pairs: A comparative study based on plasma levels from 1998 and 2008	2012
1538	Perfluoroalkyl substances in UK indoor and outdoor air: Spatial and seasonal variation, and implications for human exposure	2012
1539	Perfluorochemicals and Endometriosis The ENDO Study	2012
1540	Perfluorooctane sulfonate (PFOS) and calcium channel downstream signaling molecules	2012
1541	Perfluorooctanoic Acid and Perfluorooctane Sulfonate in Liver and Muscle Tissue from Wild Boar in Hesse, Germany	2012
1542	Perfluorooctanoic acid induces gene promoter hypermethylation of glutathione-S-transferase Pi in human liver L02 cells	2012
1543	Persistent organic pollutants (POPs) in human milk: A biomonitoring study in rural areas of Flanders (Belgium)	2012
1544	Persistent Organic Pollutants in gull eggs of two species ( <i>Larus michahellis</i> and <i>Larus audouinii</i> ) from the Ebro delta Natural Park	2012
1545	Persulfate oxidation of perfluorooctanoic acid under the temperatures of 20-40 degrees C	2012
1546	PFOS elicits transcriptional responses of the ER, AHR and PPAR pathways in <i>Oryzias melastigma</i> in a stages-specific manner	2012
1547	PFOS induced precocious hatching of <i>Oryzias melastigma</i> - From molecular level to individual level	2012
1548	Phosphorus-Containing Fluorinated Organics: Polyfluoroalkyl Phosphoric Acid Diesters (diPAPs), Perfluorophosphonates (PFPA), and Perfluorophosphinates (PFPIAs) in Residential Indoor Dust	2012
1549	Photocatalytic degradation of perfluorooctanoic acid with beta-Ga2O3 in anoxic aqueous solution	2012
1550	Photolytic and photocatalytic degradation of fluoroquinolones in untreated river water under natural sunlight	2012
1551	Phthalates and Perfluorooctanesulfonic Acid in Human Amniotic Fluid: Temporal Trends and Timing of Amniocentesis in Pregnancy	2012
1552	Pilot scale application of a method for the analysis of perfluorinated compounds in surface soils	2012
1553	Placental transfer of perfluorinated compounds is selective – A Norwegian Mother and Child sub-cohort study	2012
1554	Polyfluorinated Compounds in Serum Linked to Indoor Air in Office Environments	2012
1555	Polyfluorinated compounds in the atmosphere along a cruise pathway from the Japan Sea to the Arctic Ocean	2012
1556	Polyfluoroalkyl Compounds in Texas Children from Birth through 12 Years of Age	2012
1557	Preparation of (E)-4-Aryl-1,1,1-trifluoro-3-tosylbut-3-en-2-ones as Fluorinated Building Blocks and Their Application in Ready and Highly Stereoselective Routes to trans-2,3-Dihydrofurans Substituted with Trifluoromethyl and Sulfonyl Groups	2012
1558	Progress in fluoroalkylation of organic compounds via sulfinate dehalogenation initiation system	2012
1559	Pronounced Hydrogen Bonding Giving Rise to Apparent Probe Hyperpolarity in Ionic Liquid Mixtures with 2,2,2-Trifluoroethanol	2012

1560	Proteomic analysis of male zebrafish livers chronically exposed to perfluorononanoic acid	2012
1561	QSAR classification models for the screening of the endocrine-disrupting activity of perfluorinated compounds	2012
1562	Radioradiation of perfluorooctanesulfonate (PFOS) and perfluorobutanesulfonate (PFBS), including solubility, partition and adhesion studies	2012
1563	Rapidly Equilibrating Micrometer Film Sampler for Priority Pollutants in Air	2012
1564	Rate coefficients for the reaction of O( <sup>1</sup> D) with the atmospherically long-lived greenhouse gases NF <sub>3</sub> , SF <sub>5</sub> CF <sub>3</sub> , CHF <sub>3</sub> , C <sub>2</sub> F <sub>6</sub> , c-C <sub>4</sub> F <sub>8</sub> , n-C <sub>5</sub> F <sub>12</sub> , and n-C <sub>6</sub> F <sub>14</sub> .	2012
1565	Recent advances on synthesis of potentially non-bioaccumulable fluorinated surfactants	2012
1566	Relationship Between Industrial Discharges and Contamination of Raw Water Resources by Perfluorinated Compounds: Part II: Case Study of a Fluorotelomer Polymer Manufacturing Plant	2012
1567	Relationship between pollutant content and ecotoxicity of sewage sludges from Spanish wastewater treatment plants	2012
1568	Removing perfluorooctane sulfonate and perfluorooctanoic acid from solid matrices, paper, fabrics, and sand by mineral acid suppression and supercritical carbon dioxide extraction	2012
1569	Review on the fate of emerging contaminants during sludge anaerobic digestion	2012
1570	Review on the fate of emerging contaminants during sludge anaerobic digestion	2012
1571	Role of PPAR $\alpha$ in developmental toxicity of perfluorinated compounds in birds	2012
1572	Serum concentrations of major perfluorinated compounds among the general population in Korea: Dietary sources and potential impact on thyroid hormones	2012
1573	Serum levels of perfluorinated compounds and sperm Y: X chromosome ratio in two European populations and in Inuit from Greenland	2012
1574	Serum vaccine antibody concentrations in children exposed to perfluorinated compounds.	2012
1575	Short- and long-chain perfluorinated acids in sewage sludge from Shanghai, China	2012
1576	Silver-Catalyzed Decarboxylative Fluorination of Aliphatic Carboxylic Acids in Aqueous Solution.	2012
1577	Simultaneous determination of mono- and disubstituted polyfluoroalkyl phosphates in drinking water by liquid chromatography-electrospray tandem mass spectrometry	2012
1578	Sorption mechanisms of perfluorinated compounds on carbon nanotubes	2012
1579	Sorption of a branched nonylphenol and perfluorooctanoic acid on Yangtze River sediments and their model components	2012
1580	Spatial distribution and loading amounts of particle sorbed and dissolved perfluorinated compounds in the basin of Tokyo Bay	2012
1581	Spatial distribution of per- and polyfluoroalkyl compounds in coastal waters from the East to South China Sea	2012
1582	Spatial trends of perfluorochemicals in harbor seals ( <i>Phoca vitulina</i> ) from Danish waters	2012
1583	Sperm DNA integrity in relation to exposure to environmental perfluoroalkyl substances - A study of spouses of pregnant women in three geographical regions	2012
1584	Sphingosine and clavaminol H derivatives bearing fluorinated chains and their cytotoxic activity	2012
1585	Strasbourg's SOFFT team—Soft functional systems self-assembled from perfluoroalkylated molecular components	2012
1586	Structural basis for the enhanced stability of highly fluorinated proteins.	2012
1587	Structure and surface properties of fluorinated organic-inorganic hybrid films.	2012
1588	Studies on the antimicrobial properties of N-acylated ciprofloxacin	2012
1589	Subchronic effects of perfluorooctanesulfonate exposure on inflammation in adult male C57BL/6 mice	2012
1590	Syntheses and spectroscopic studies of volatile low symmetry lanthanide(III) complexes with monodentate 1 H -indazole and fluorinated $\beta$ -diketon.	2012
1591	Synthesis and applications of fluorinated nucleoside analogues	2012
1592	Synthesis and cytotoxicity evaluation of highly functionalized pyranochromenes and pyranopyrans	2012
1593	Synthesis and phosphonate binding of guanidine-functionalized fluorinated amphiphiles	2012
1594	Synthesis and self-assembling behavior of P-amphiphilic functionalized amines	2012
1595	Synthesis of 3,3,3-trifluoropropene telomers and their modification into fluorosurfactants	2012
1596	Synthesis of 5-fluorovinyl derivatives of pyrimidines via Suzuki-Miyaura coupling and their 1,3-dipolar cycloaddition reactions with nitrones	2012
1597	Synthesis of Fluorinated Benzophenones, Xanthenes, Acridones, and Thioxanthenes by Iterative Nucleophilic Aromatic Substitution.	2012
1598	Synthesis of Highly Functionalized Fluorinated Cispentacin Derivatives	2012
1599	Synthesis of highly substituted oxazoles through iodine(III)-mediated reactions of ketones with nitriles.	2012
1600	Temporal and spatial trends of perfluoroalkyl substances in liver of roe deer ( <i>Capreolus capreolus</i> )	2012
1601	Temporal trends and spatial differences of perfluoroalkylated substances in livers of harbor porpoise ( <i>Phocoena phocoena</i> ) populations from Northern Europe, 1991-2008	2012
1602	The chemical and environmental property space of REACH chemicals	2012
1603	The fluorous effect in biomolecular applications	2012
1604	The influence of climate change on the global distribution and fate processes of anthropogenic persistent organic pollutants	2012
1605	The inhibitory effects of perfluoroalkyl substances on human and rat 11 $\beta$ -hydroxysteroid dehydrogenase 1	2012
1606	The synthesis of 2,2,3,3-tetrafluorinated galactose and glucose derivatives	2012
1607	Thyroid Function and Perfluoroalkyl Acids in Children Living Near a Chemical Plant	2012
1608	Tissue distribution of perfluorinated compounds in farmed freshwater fish and human exposure by consumption	2012
1609	Tissue-Specific Concentrations and Patterns of Perfluoroalkyl Carboxylates and Sulfonates in East Greenland Polar Bears	2012
1610	Toxicological interactions of perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) with selected pollutants	2012
1611	Toxicology of perfluorooctane sulfonate (PFOS) such as a polyfluorinated compound model	2012
1612	Transcriptional effects of perfluorinated compounds in rat hepatoma cells	2012
1613	Transcriptional Profiles in the Cerebral Hemisphere of Chicken Embryos Following In Ovo Perfluorohexane Sulfonate Exposure	2012
1614	Transfer of Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) From Contaminated Feed Into Milk and Meat of Sheep: Pilot Study	2012
1615	Trends in the analysis of persistent organic pollutants (POPs) in human blood	2012
1616	Unique physicochemical properties of perfluorinated compounds and their bioconcentration in common carp <i>Cyprinus carpio</i> L.	2012
1617	Wastewater treatment plants (WWTPs)-derived national discharge loads of perfluorinated compounds (PFCS)	2012
1618	Well-defined, solvent-free cationic barium complexes: Synthetic strategies and catalytic activity in the ring-opening polymerization of lactide	2012
1619	White Electroluminescence from All-Phosphorescent Single Polymers on a Fluorinated Poly(arylene ether phosphine oxide) Backbone Simultaneously Grafted with Blue and Yellow Phosphors	2012
1620	Volatile per- and polyfluoroalkyl compounds in the remote atmosphere of the western Antarctic Peninsula: an indirect source of perfluoroalkyl acids to Antarctic waters?	2012
1621	Worldwide surveys of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) in water environment in recent years	2012
1622	6:2 Fluorotelomer alcohol biotransformation in an aerobic river sediment system	2013
1623	Absorption, Distribution, and Milk Secretion of the Perfluoroalkyl Acids PFBS, PFHxS, PFOS, and PFOA by Dairy Cows Fed Naturally Contaminated Feed	2013
1624	Addition of Electrophilic Radicals to 2-Benzyloxyglycols: Synthesis and Functionalization of Fluorinated $\alpha$ -C-Glycosides and Derivatives.	2013
1625	Adsorption of perfluorinated compounds on aminated rice husk prepared by atom transfer radical polymerization	2013
1626	Adult dose-dependent behavioral and cognitive disturbances after a single neonatal PFHxS dose	2013
1627	Advances in the (co)polymerization of alkyl 2-trifluoromethylacrylates and 2-(trifluoromethyl)acrylic acid	2013
1628	Age- and gender-related accumulation of perfluoroalkyl substances in captive Chinese alligators ( <i>Alligator sinensis</i> )	2013
1629	Alterations in Differentially Expressed Genes After Repeated Exposure to Perfluorooctanoate and Perfluorooctanesulfonate in Liver of <i>Oryzias latipes</i>	2013
1630	An Aerobic and Very Fast Pd/C-Catalyzed Ligand-Free and Aqueous Suzuki Reaction Under Mild Conditions	2013
1631	An eco-compatible synthesis of medicinally important novel class of trispiroheterocyclic framework using 2,2,2-trifluoroethanol as a reusable medium	2013
1632	An integrated metabolomics and transcriptomics approach to understanding metabolic pathway disturbance induced by perfluorooctanoic acid.	2013
1633	Analysis of perfluorooctane sulfonate and perfluorooctanoic acid with a mixed-mode coating-based solid-phase microextraction fiber	2013
1634	Analysis of polyfluoroalkyl substances and bisphenol A in dried blood spots by liquid chromatography tandem mass spectrometry	2013
1635	Analytical chemistry of the persistent organic pollutants identified in the Stockholm Convention: A review.	2013
1636	Analytical improvements shown over four interlaboratory studies of perfluoroalkyl substances in environmental and food samples	2013
1637	Analytical studies on the environmental state of the Svalbard Archipelago provide a critical source of information about anthropogenic global impact.	2013
1638	Anisotropy of Chemical Bonding in Semifluorinated Graphite C <sub>2</sub> F Revealed with Angle-Resolved X-ray Absorption Spectroscopy	2013
1639	Antioxidant defense system responses and DNA damage of earthworms exposed to Perfluorooctane sulfonate (PFOS)	2013
1640	Association between perfluoroalkyl substances and thyroid stimulating hormone among pregnant women: a cross-sectional study.	2013
1641	Association between plasma PFOA and PFOS levels and total cholesterol in a middle-aged Danish population.	2013
1642	Association between thyroid profile and perfluoroalkyl acids: Data from NHANES 2007-2008	2013
1643	Association of Osteoarthritis with Perfluorooctanoate and Perfluorooctane Sulfonate in NHANES 2003-2008.	2013

1644	Associations between perfluoroalkyl compounds and immune and clinical chemistry parameters in highly exposed bottlenose dolphins ( <i>Tursiops truncatus</i> )	2013
1645	Bi-functional fluoroalkylation reagents: an introduction to halo-substituted 3-oxa-perfluoroalkanesulfonfyl fluorides.	2013
1646	Bioaccumulation and effects of perfluorinated compounds (PFCS) in zebra mussels ( <i>Dreissena polymorpha</i> )	2013
1647	Bioaccumulation of Perfluoroalkyl Substances by <i>Daphnia magna</i> in Water with Different Types and Concentrations of Protein	2013
1648	Biodegradability, cytotoxicity, and physicochemical treatability of two novel perfluorooctane sulfonate-free photoacid generators.	2013
1649	Biodegradation of N-Ethyl Perfluorooctane Sulfonamide Ethanol (EtFOSE) and EtFOSE-Based Phosphate Diester (SAM-PAP Diester) in Marine Sediments	2013
1650	Biomagnification and tissue distribution of perfluoroalkyl substances (PFASs) in market-size rainbow trout ( <i>Oncorhynchus mykiss</i> ).	2013
1651	Biomonitoring and Elimination of Perfluorinated Compounds and Polychlorinated Biphenyls through Perspiration: Blood, Urine, and Sweat Study.	2013
1652	Biomonitoring of Perfluoroalkyl Acids in Human Urine and Estimates of Biological Half-Life	2013
1653	Biotransformation of fluorotelomer compound to perfluorocarboxylates in humans	2013
1654	Blood plasma concentrations of endocrine disrupting chemicals in Hong Kong populations	2013
1655	Both sub-acute, moderate-dose and short-term, low-dose dietary exposure of mice to perfluorooctane sulfonate exacerbates concanavalin A-induced hepatitis	2013
1656	Brominated and fluorinated organic pollutants in the breast milk of first-time Irish mothers: is there a relationship to levels in food?	2013
1657	Can nail, hair and urine be used for biomonitoring of human exposure to perfluorooctane sulfonate and perfluorooctanoic acid?	2013
1658	Cancer Risk Among Tetrafluoroethylene Synthesis and Polymerization Workers	2013
1659	Cerberus Nanoemulsions Produced by Multidrop Flow-Induced Fusion.	2013
1660	Characterization and Dynamic Properties for the Solid Inclusion Complexes of beta-Cyclodextrin and Perfluorooctanoic Acid	2013
1661	Chemical contaminants in the Wadden Sea: Sources, transport, fate and effects	2013
1662	Chiral Anion Phase-Transfer Catalysis Applied to the Direct Enantioselective Fluorinative Dearomatization of Phenols.	2013
1663	Combined Effects of PFOS and PFOA on Zebrafish ( <i>Danio rerio</i> ) Embryos	2013
1664	Comment on 'Letter to the Editor regarding, 'Polyfluorinated Compounds: Past, Present, and Future'	2013
1665	Comparison of in vitro cytotoxicity, estrogenicity and anti-estrogenicity of triclosan, perfluorooctane sulfonate and perfluorooctanoic acid	2013
1666	Comprehensive mass flow analysis of Swedish sludge contaminants	2013
1667	Contamination by perfluorinated compounds in water near waste recycling and disposal sites in Vietnam.	2013
1668	Contribution of diet and other factors to the levels of selected polyfluorinated compounds: Data from NHANES 2003-2008	2013
1669	Contribution of primary and secondary treatment on the removal of benzothiazoles, benzotriazoles, endocrine disruptors, pharmaceuticals and perfluorinated compounds in a sewage treatment plant	2013
1670	Copper(II)-Catalyzed Intermolecular Cyclization of Methyl Perfluoroalk-2-ynoates with $\alpha$ -Aminophenyl Ketones: Access to 2-Perfluoroalkylated Quinolines	2013
1671	Creation of low hysteresis superhydrophobic paper by deposition of hydrophilic diamond-like carbon films.	2013
1672	Cumulative health risk assessment of 17 perfluoroalkylated and polyfluoroalkylated substances (PFASs) in the Swedish population	2013
1673	Cytotoxicity and inhibition of intercellular interaction in N2a neurospheroids by perfluorooctanoic acid and perfluorooctanesulfonic acid.	2013
1674	Derivatization method for sensitive determination of fluorotelomer alcohols in sediment by liquid chromatography-electrospray tandem mass spectrometry	2013
1675	Design and generation of highly diverse fluorinated fragment libraries and their efficient screening with improved (19) F NMR methodology.	2013
1676	Detection and Differentiation of Neutral Organic Compounds by $^{19}\text{F}$ NMR with a Tungsten Calix[4]arene Imido Complex.	2013
1677	Detection of fluorotelomer alcohols in indoor environments and their relevance for human exposure	2013
1678	Determinants of maternal and fetal exposure and temporal trends of perfluorinated compounds.	2013
1679	Determinants of plasma concentrations of perfluoroalkyl substances in pregnant Norwegian women	2013
1680	Determination of perfluorinated compounds in aquatic organisms: a review.	2013
1681	Determination of Perfluorochemicals in Fish and Shellfish Using Liquid Chromatography-Tandem Mass Spectrometry	2013
1682	Determination of selected perfluorinated alkyl acids and persistent organic pollutants from a small volume human serum sample relevant for epidemiological studies	2013
1683	Determination of selected perfluorinated compounds and polyfluoroalkyl phosphate surfactants in human milk	2013
1684	Development and evaluation of a mechanistic bioconcentration model for ionogenic organic chemicals in fish	2013
1685	Development of a Standard Reference Material for Metabolomics Research.	2013
1686	Development of Fragment-Based n-FABS NMR Screening Applied to the Membrane Enzyme FAAH	2013
1687	Development of PbPK Models for PFOA and PFOS for Human Pregnancy and Lactation Life Stages	2013
1688	Dietary exposure to selected perfluoroalkyl acids (PFAAs) in four European regions	2013
1689	Distribution and fate of perfluoroalkyl substances in municipal wastewater treatment plants in economically developed areas of China	2013
1690	Distribution of Poly- and Perfluoroalkyl Substances in Matched Samples from Pregnant Women and Carbon Chain Length Related Maternal Transfer	2013
1691	Distributions and bioconcentration characteristics of perfluorinated compounds in environmental samples collected from the west coast of Korea	2013
1692	Do perfluoroalkyl substances affect metabolic function and plasma lipids? Analysis of the 2007-2009, Canadian Health Measures Survey (CHMS) Cycle 1	2013
1693	Does wet precipitation represent local and regional atmospheric transportation by perfluorinated alkyl substances?	2013
1694	Dose-dependent reactions of <i>Aporrectodea caliginosa</i> to perfluorooctanoic acid and perfluorooctanesulfonic acid in soil	2013
1695	Dosimetric anchoring of in vivo and in vitro studies for perfluorooctanoate and perfluorooctanesulfonate.	2013
1696	Effects of age, gender and region on serum concentrations of perfluorinated compounds in general population of Henan, China	2013
1697	Effects of perfluoroalkyl acids on the function of the thyroid hormone and the aryl hydrocarbon receptor.	2013
1698	Effects of persistent organic pollutants on the developing respiratory and immune systems: A systematic review	2013
1699	Efficiency of grafting of Al <sub>2</sub> O <sub>3</sub> , TiO <sub>2</sub> and ZrO <sub>2</sub> powders by perfluoroalkylsilanes	2013
1700	Efficient removal and recovery of perfluorinated compounds from water by surface-tethered $\beta$ -cyclodextrins on polystyrene particles	2013
1701	Electron-impact-ionization dynamics of five C2 to C4 perfluorocarbons.	2013
1702	Emerging Food Chemical Contaminants from Industry Pollution.	2013
1703	Endocrine-related effects of perfluorooctanoic acid (PFOA) in zebrafish, H295R steroidogenesis and receptor reporter gene assays	2013
1704	Enhanced frequency response of a highly transparent PVDF-graphene based thin film acoustic actuator.	2013
1705	Environmental risk and influence of chemicals from plastic materials on children's health – the challenge also for paediatricians	2013
1706	Environmental toxicity of PFCS: An enhanced integrated biomarker assessment and structure-activity analysis	2013
1707	Estimation of PFOS emission from domestic sources in the eastern coastal region of China	2013
1708	Estimation of the Acid Dissociation Constant of Perfluoroalkyl Carboxylic Acids through an Experimental Investigation of their Water-to-Air Transport	2013
1709	Fabrication of novel polyetherimide-fluorinated silica organic-inorganic composite hollow fiber membranes intended for membrane contactor application	2013
1710	Fabrication of superhydrophobic films with robust adhesion and dual pinning state via in situ polymerization	2013
1711	Fast determination of perfluoroalkyl compounds in packaging by focused ultrasound solid-liquid extraction and liquid chromatography coupled to quadrupole-time of flight mass spectrometry	2013
1712	Fast ultrasound-assisted extraction combined with LC-MS/MS of perfluorinated compounds in manure	2013
1713	Fluorinated 9,9'-spirobifluorene derivatives as host materials for highly efficient blue organic light-emitting devices	2013
1714	Fluorinated Ionic Liquids: Properties and Applications	2013
1715	Fluorochemicals used in food packaging inhibit male sex hormone synthesis	2013
1716	Focused ultrasound solid-liquid extraction of perfluorinated compounds from sewage sludge	2013
1717	Formation of PFOA from 8:2 FTOH in closed-bottle experiments with brackish water	2013
1718	Gas Storage in a Partially Fluorinated Highly Stable Three-Dimensional Porous Metal-Organic Framework.	2013
1719	Gastrointestinal Elimination of Perfluorinated Compounds Using Cholestyramine and <i>Chlorella pyrenoidosa</i> .	2013
1720	Graphene as a new sorbent in analytical chemistry	2013
1721	Hexafluoroisopropanol dispersed into the nanoporous SBA-15 (HFIP/SBA-15) as a rapid, metal-free, highly reusable and suitable combined catalyst for domino cyclization process in chemoselective preparation of alkyl rhodanines.	2013
1722	High performance liquid chromatography tandem mass spectrometry determination of perfluorinated acids in cow milk	2013
1723	Highly Efficient and Mild Electrochemical Mineralization of Long-Chain Perfluorocarboxylic Acids (C9-C10) by Ti/SnO <sub>2</sub> -Sb-Ce, Ti/SnO <sub>2</sub> -Sb/Ce-PbO <sub>2</sub> , and Ti/BDD Electrodes	2013
1724	Highly Enantioselective Construction of 3-Hydroxy Oxindoles through a Decarboxylative Aldol Addition of Trifluoromethyl-Fluorinated gem-Diols to N-Benzyl Isonitins	2013
1725	Highly hydrophobic films with various adhesion by electrodeposition of poly(3,4-bis(alkoxy)thiophene)s	2013
1726	Highly Selective CO <sub>2</sub> Adsorption Accompanied with Low-Energy Regeneration in a Two-Dimensional Cu(II) Porous Coordination Polymer with Inorganic Fluorinated PF <sub>6</sub> -Anions.	2013

1727	Highly stereoselective approach to 3-fluoroalkylated (E)-hex-3-ene-1,5- diyne derivatives via an addition-elimination reaction	2013
1728	Highly transparent NiCo <sub>2</sub> S <sub>4</sub> thin film as an effective catalyst toward triiodide reduction in dye-sensitized solar cells.	2013
1729	Human exposure to fluorotelomer alcohols, perfluorooctane sulfonate and perfluorooctanoate via house dust in Bavaria, Germany	2013
1730	Hybrid organic-inorganic nanocomposite: Fluorinated poly-(2,5-thienylbenzobisoxazole)/POSS and its properties.	2013
1731	Immunotoxicity of perfluorinated alkylates: Calculation of benchmark doses based on serum concentrations in children	2013
1732	Impact of Industrial Production and Packaging Processes on the Concentration of Per- and Polyfluorinated Compounds in Milk and Dairy Products.	2013
1733	In situ air-water and particle-water partitioning of perfluorocarboxylic acids, perfluorosulfonic acids and perfluorooctyl sulfonamide at a wastewater treatment plant	2013
1734	In vivo evaluation and comparison of developmental toxicity and teratogenicity of perfluoroalkyl compounds using <i>Xenopus</i> embryos	2013
1735	Induction of gene responses in St. Lawrence River northern pike ( <i>Esox lucius</i> ) environmentally exposed to perfluorinated compounds	2013
1736	Influences of perfluorooctanoic acid on the aggregation of multi-walled carbon nanotubes	2013
1737	Ionic liquid-mediated three-component synthesis of fluorinated spiro-thiazine derivatives and their antimicrobial and DNA cleavage activities	2013
1738	Levels and spatial distribution of perfluorinated compounds (PFCs) in superficial sediments from the marine reserves of the Tuscan Archipelago National Park (Italy)	2013
1739	Levels and trends of the emerging contaminants HBCDs (hexabromocyclododecanes) and PFCs (perfluorinated compounds) in marine shellfish along French coasts	2013
1740	Lewis acid catalyst free synthesis of substituted imidazoles in 2,2,2-trifluoroethanol	2013
1741	Lewis acid-catalyzed regioselective synthesis of chiral alpha-fluoroalkyl amines via asymmetric addition of silyl dienolates to fluorinated sulfinylimines	2013
1742	Locomotor behavior in zebrafish ( <i>Danio rerio</i> ) larvae exposed to perfluoroalkyl acids	2013
1743	Long-term effects of prenatal exposure to perfluoroalkyl substances on female reproduction.	2013
1744	Mass Balance of Perfluoroalkyl Acids in the Baltic Sea	2013
1745	Mechanism of perfluorooctanesulfonate (PFOS)-induced apoptosis in the immunocyte	2013
1746	Mechanistic studies of perfluorooctane sulfonate, perfluorooctanoic acid uptake by maize ( <i>Zea mays</i> L. cv. TY2).	2013
1747	Mechanistic toxicity study of perfluorooctanoic acid in zebrafish suggests mitochondrial dysfunction to play a key role in PFOA toxicity	2013
1748	Method and validation for the analysis of perfluorinated compounds in water by pre-sampling isotope dilution-direct injection-LC/MS/MS	2013
1749	Multidimensional NMR characterization of perfluorinated monomer and its precursors	2013
1750	Multivalent Functionalization of Cyclodextrins by Photochemical Thiol-Ene Addition Reaction	2013
1751	Neonatal-maternal factors and perfluoroalkyl substances in cord blood	2013
1752	NESS002ie: A new fluorinated thiolendopeptidase inhibitor with antinociceptive activity in an animal model of persistent pain.	2013
1753	Neurobehavioral effects, <i>c-Fos</i> /Jun expression and tissue distribution in rat offspring prenatally co-exposed to MeHg and PFOA: PFOA impairs Hg retention	2013
1754	New improved version of J1...J4 interferometry method and its application to nanometric vibration measurements	2013
1755	Northern contaminant mixtures induced morphological and functional changes in human coronary artery endothelial cells under culture conditions typifying high fat/sugar diet and ethanol exposure	2013
1756	Occurrence and distribution of organic trace substances in waters from the Three Gorges Reservoir, China.	2013
1757	Occurrence and Transport of Perfluoroalkyl Acids (PFAAs), Including Short-Chain PFAAs in Tangxun Lake, China	2013
1758	Occurrence of brominated flame retardants and perfluoroalkyl substances in fish from the Czech aquatic ecosystem	2013
1759	Occurrence of perfluorinated alkylated substances in breast milk of French women and relation with socio-demographical and clinical parameters: Results of the ELFE pilot study	2013
1760	Occurrence of Perfluorinated Compounds in Raw Water from New Jersey Public Drinking Water Systems.	2013
1761	Occurrence of perfluoroalkyl substances (PFASs) in various food items of animal origin collected in four European countries	2013
1762	Occurrence of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in NE Spanish surface waters and their removal in a drinking water treatment plant that combines conventional and advanced treatments in parallel lines	2013
1763	On the Origin of Living Polymerization over o-Fluorinated Post-titanocene Catalysts.	2013
1764	Optimisation of Ruthenium Dye Sensitized Solar Cells Efficiency via Sn Diffusion into the TiO <sub>2</sub> Mesoporous Layer	2013
1765	Part II. A Temporal Study of PFOS and Its Precursors in Human Plasma from Two German Cities in 1982-2009	2013
1766	Partition of perfluoroalkyl substances (PFASs) in whole blood and plasma, assessed in maternal and umbilical cord samples from inhabitants of arctic Russia and Uzbekistan	2013
1767	Pd-catalyzed sp(2)-sp cross-coupling reactions involving C-F bond activation in highly fluorinated nitrobenzene systems	2013
1768	Per- and polyfluoroalkyl substances in selected sewage sludge in Nigeria	2013
1769	Perfluorinated alkylated substances in vegetables collected in four European countries; occurrence and human exposure estimations	2013
1770	Perfluorinated Compound Concentrations In Great Blue Heron Eggs Near St. Paul, Minnesota, Usa, In 1993 And 2010-2011	2013
1771	Perfluorinated Compound Levels in Cord Blood and Neurodevelopment at 2 Years of Age	2013
1772	Perfluorinated compounds affect the function of sex hormone receptors.	2013
1773	Perfluorinated compounds in blood of <i>Caretta caretta</i> from the Mediterranean Sea	2013
1774	Perfluorinated compounds in sediment samples from the wastewater canal of Pančevo (Serbia) industrial area	2013
1775	Perfluorinated compounds in soils from Liaodong Bay with concentrated fluorine industry parks in China	2013
1776	Perfluorinated polymer with unexpectedly efficient deep blue electroluminescence for full-colour OLED displays and light therapy applications	2013
1777	Perfluoroalkyl acids (PFAAs) in riverine and coastal sediments of Laizhou Bay, North China	2013
1778	Perfluoroalkyl acids in subarctic wild male mink ( <i>Neovison vison</i> ) in relation to age, season and geographical area	2013
1779	Perfluoroalkyl acids in the Canadian environment: Multi-media assessment of current status and trends	2013
1780	Perfluoroalkyl and polyfluoroalkyl substances (PFASs) in mineral water and tap water	2013
1781	Perfluoroalkyl carboxylic acids with up to 22 carbon atoms in snow and soil samples from a ski area	2013
1782	Perfluoroalkyl substances (PFASs) in food and water from Faroe Islands	2013
1783	Perfluoroalkyl substances and extractable organic fluorine in surface sediments and cores from Lake Ontario	2013
1784	Perfluoroalkyl substances in eggs and plasma of an avian top predator, great skua ( <i>Stercorarius skua</i> ), in the north Atlantic.	2013
1785	Perfluoroalkyl substances in human milk: A first survey in Italy	2013
1786	Perfluoroalkyl substances in soft tissues and tail feathers of Belgian barn owls ( <i>Tyto alba</i> ) using statistical methods for left-censored data to handle non-detects	2013
1787	Perfluorocarbon-loaded lipid nanocapsules as oxygen sensors for tumor tissue pO <sub>2</sub> assessment	2013
1788	Perfluorocarbon-loaded lipid nanocapsules as oxygen sensors for tumor tissue pO <sub>2</sub> assessment.	2013
1789	Perfluorooctane sulfonate (PFOS) contamination of fish in urban lakes: A prioritization methodology for lake management	2013
1790	Perfluorooctane sulfonate (PFOS) distribution and effect factors in the water and sediment of the Yellow River Estuary, China	2013
1791	Perfluorooctane sulfonate (PFOS) induced embryotoxicity and disruption of cardiogenesis	2013
1792	Perfluorooctane Sulfonate Disturbs Nanog Expression through miR-490-3p in Mouse Embryonic Stem Cells	2013
1793	Perfluorooctanoate and Neuropsychological Outcomes in Children	2013
1794	Perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) in surface waters, sediments, soils and wastewater – A review on concentrations and distribution coefficients	2013
1795	Perfluorooctanoic Acid Exposure and Cancer Outcomes in a Contaminated Community: A Geographic Analysis	2013
1796	Perfluorooctanoic acid induces apoptosis through the p53-dependent mitochondrial pathway in human hepatic cells: A proteomic study	2013
1797	Perfluorotributylamine: A novel long-lived greenhouse gas	2013
1798	PFAS profiles in three North Sea top predators: metabolic differences among species?	2013
1799	Physicochemical Properties and Aquatic Toxicity of Poly- and Perfluorinated Compounds	2013
1800	Pilot study on levels of perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) in selected foodstuffs and human milk from Italy	2013
1801	Placental Transfer of Persistent Organic Pollutants: A Preliminary Study on Mother-Newborn Pairs	2013
1802	Plasma concentrations of organohalogenated pollutants in predatory bird nestlings: Associations to growth rate and dietary tracers.	2013
1803	Plectin-containing, centrally localized focal adhesions exert traction forces in primary lung epithelial cells.	2013
1804	Polydopamine-Coated Magnetic Nanoparticles for Enrichment and Direct Detection of Small Molecule Pollutants Coupled with MALDI-TOF-MS	2013
1805	Polyfluorinated and perfluorinated chemicals in precipitation and runoff from cities across eastern and central China.	2013
1806	Polyfluorinated compounds in dust from homes, offices, and vehicles as predictors of concentrations in office workers' serum	2013
1807	Predictive models for estimating the vapor pressure of poly- and perfluorinated compounds at different temperatures	2013
1808	Preliminary investigation by liquid chromatography tandem mass spectrometry of perfluorinated compounds presence in bass reared and fished in Italy	2013
1809	Pre-natal exposure to perfluoroalkyl substances may be associated with altered vaccine antibody levels and immune-related health outcomes in early childhood.	2013
1810	Prenatal Exposures to Environmental Chemicals and Children's Neurodevelopment: An Update	2013

1811	Preparation of non-aggregating novel silicon phthalocyanines axially disubstituted with fluorinated functions.	2013
1812	Preparation of pharmaceutical important fluorinated 1-arylethanol using isolated enzymes.	2013
1813	Professional ski waxers' exposure to PFAS and aerosol concentrations in gas phase and different particle size fractions	2013
1814	Profiles of perfluoroalkyl substances in the liver and serum of patients with liver cancer and cirrhosis in Australia.	2013
1815	Proteomic responses of peripheral blood mononuclear cells in the European eel ( <i>Anguilla anguilla</i> ) after perfluorooctane sulfonate exposure	2013
1816	Purification and characterization of fluorinated ketone reductase from <i>Geotrichum candidum</i> NBRCC 5767	2013
1817	Quantification of pharmaceuticals, personal care products, and perfluoroalkyl substances in the marine sediments of Puget Sound, Washington, USA	2013
1818	Rate laws and kinetic modeling of N-ethyl perfluorooctane sulfonamidoethanol (N-EtFOSE) transformation by hydroxyl radical in aqueous solution	2013
1819	Recent advances in LC-MS analysis of food-packaging contaminants	2013
1820	Retrospective monitoring of perfluorocarboxylates and perfluorosulfonates in human plasma archived by the German Environmental Specimen Bank.	2013
1821	Reversal of perfluorooctanesulfonate-induced immunotoxicity by a glucan-resveratrol-vitamin C combination	2013
1822	Selective Anti-Markovnikov Cyclization and Hydrofluorination Reaction in Superacid HF/SbF <sub>5</sub> : A Tool in the Design of Nitrogen-Containing (Fluorinated) Polycyclic Systems	2013
1823	Semiautomated solid-phase extraction followed by derivatization and gas chromatography-mass spectrometry for determination of perfluoroalkyl acids in water	2013
1824	Sertoli Cell Is a Potential Target for Perfluorooctane Sulfonate-Induced Reproductive Dysfunction in Male Mice	2013
1825	Serum perfluorooctanoic acid and perfluorooctane sulfonate concentrations in relation to birth outcomes in the Mid-Ohio Valley, 2005-2010.	2013
1826	Serum polyfluoroalkyl concentrations, asthma outcomes, and immunological markers in a case-control study of Taiwanese children.	2013
1827	Silver(i) complexes of tris(pyrazolyl)borate ligands bearing six trifluoromethyl and three additional electron-withdrawing substituents	2013
1828	Silver-Mediated Methoxycarbonyl tetrafluoroethylation of Arenes.	2013
1829	Solution by dilution? A review on the pollution status of the Yangtze River.	2013
1830	Sorption of perfluoroalkyl substances (PFASs) onto wetland soils	2013
1831	Source apportionment of perfluorinated compounds (PFCs) in sediments: Using three multivariate factor analysis receptor models	2013
1832	Specific features of the separation of inorganic and organic compounds on alumina modified with fluorinated polyimide.	2013
1833	Stepwise Degradation of Trifluoromethyl Platinum(II) Compounds	2013
1834	Stereo-regulated synthesis of peptides containing a β-trifluoromethyl-β-amino acid.	2013
1835	Structural and Electronic Properties of Old and New A <sub>2</sub> [M(pin)(F) <sub>2</sub> ] <sub>2</sub> Complexes	2013
1836	Structure-Based Investigation on the Interaction of Perfluorinated Compounds with Human Liver Fatty Acid Binding Protein.	2013
1837	Superacid synthesized tertiary benzenesulfonamides and benzofused sulfonamides act as selective hCA IX inhibitors: toward understanding a new mode of inhibition by tertiary sulfonamides	2013
1838	Superhydrophobic TiO <sub>2</sub> coatings formed through a non-fluorinated wet chemistry route	2013
1839	Superoleophobic surfaces with short fluorinated chains?	2013
1840	Synthesis and characterization of highly soluble and optically transparent polyimides derived from novel fluorinated pyridine-containing aromatic diamine.	2013
1841	Synthesis and characterization of rubbery highly fluorinated siloxane-imide segmented copolymers	2013
1842	Synthesis and reactivity of allylic fluorides under transition metal catalysis	2013
1843	Synthesis of 3-fluorobenzoyl chloride functionalized magnetic sorbent for highly efficient enrichment of perfluorinated compounds from river water samples	2013
1844	Synthesis of Highly Fluorinated Aryl N-Acylsulfamates and Evaluation of Their Surfactant Properties	2013
1845	Synthesis of In <sub>2</sub> O <sub>3</sub> -graphene composites and their photocatalytic performance towards perfluorooctanoic acid decomposition	2013
1846	Synthesis of new fluorinated, 2-substituted 5-pyrrolidinylsulfonamide derivatives as caspase-3 and caspase-7 inhibitors: Nonradioactive counterparts of putative PET-compatible apoptosis imaging agents	2013
1847	Synthesis of superhydrophobic SiO <sub>2</sub> layers via combination of surface roughness and fluorination	2013
1848	Temporal trends of perfluoroalkyl acids in plasma samples of pregnant women in Hokkaido, Japan, 2003-2011	2013
1849	Temporal Trends of Polybrominated Diphenyl Ethers (PBDEs) in the Blood of Newborns from New York State during 1997 through 2011: Analysis of Dried Blood Spots from the Newborn Screening Program	2013
1850	Temporal variations of perfluoroalkyl substances and polybrominated diphenyl ethers in alpine snow	2013
1851	The determination of perfluoroalkyl substances, brominated flame retardants and their metabolites in human breast milk and infant formula	2013
1852	The impact of PFOS on health in the general population: a review	2013
1853	Theoretical study on the OH-initiated atmospheric reaction of N-methyl perfluorobutane sulfonamidoethanol (C <sub>4</sub> F <sub>9</sub> SO <sub>2</sub> N(CH <sub>3</sub> )CH <sub>2</sub> CH <sub>2</sub> OH)	2013
1854	Toxicity of perfluorooctanoic acid to <i>Pseudomonas putida</i> in the aquatic environment	2013
1855	Transfer kinetics of perfluorooctane sulfonate from water and sediment to a marine benthic fish, the marbled flounder ( <i>Pseudopleuronectes yokohamae</i> )	2013
1856	Transfer of perfluorooctane sulfonic acid (PFOS) from contaminated feed to dairy milk	2013
1857	Transport of Perfluoroalkyl substances (PFAS) from an arctic glacier to downstream locations: Implications for sources	2013
1858	Tricyclic GyrB/ParE (TriBE) Inhibitors: A New Class of Broad-Spectrum Dual-Targeting Antibacterial Agents.	2013
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1860	Ulcerative Colitis and Perfluorooctanoic Acid (PFOA) in a Highly Exposed Population of Community Residents and Workers in the Mid-Ohio Valley	2013
1861	Umbilical cord blood levels of perfluoroalkyl acids and polybrominated flame retardants	2013
1862	Uptake of Perfluoroalkyl Acids into Edible Crops via Land Applied Biosolids: Field and Greenhouse Studies	2013
1863	Visible-light excited red emitting luminescent nanocomposites derived from Eu <sup>3+</sup> -phenanthrene-based fluorinated beta-diketone complexes and multi-walled carbon nanotubes	2013
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1865	5-(4-((4-[F-18]fluorobenzoyloxy)-3-methoxybenzyl)pyrimidine-2,4-diamine: A selective dual inhibitor for potential PET imaging of Trk/CSF-1R	2014
1866	A geographical comparison of chlorinated, brominated and fluorinated compounds in seabirds breeding in the eastern Canadian Arctic	2014
1867	A highly sensitive method for in vitro testing of fluorinated drug candidates using high-resolution continuum source molecular absorption spectrometry (HR-CS MAS).	2014
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1869	A monolithic and flexible fluoropolymer film microreactor for organic synthesis applications.	2014
1870	A multi-level biological approach to evaluate impacts of a major municipal effluent in wild St. Lawrence River yellow perch ( <i>Perca flavescens</i> )	2014
1871	A new liquid chromatography-fluorescence method for determination of perfluorooctanesulfonyl fluoride upon derivatization with 1-naphthol	2014
1872	A review of what is an emerging contaminant	2014
1873	A simple recirculating flow system for the calibration of polar organic chemical integrative samplers (POCIS): Effect of flow rate on different water pollutants	2014
1874	A Straightforward and Highly Diastereoselective Access to Functionalized Monofluorinated Cyclopropanes via a Michael Initiated Ring Closure Reaction.	2014
1875	A Survey of Exposure Level and Lifestyle Factors for Perfluorooctanoate and Perfluorooctane Sulfonate in Human Plasma from Selected Residents in Korea	2014
1876	Accumulation of Perfluoroalkyl Compounds in Tibetan Mountain Snow: Temporal Patterns from 1980 to 2010	2014
1877	Adaptation of the bivalve embryotoxicity assay for the high throughput screening of emerging contaminants in <i>Mytilus galloprovincialis</i>	2014
1878	Adiposity and glycemic control in children exposed to perfluorinated compounds	2014
1879	Adsorption behavior and mechanism of perfluorinated compounds on various adsorbents—A review	2014
1880	Adsorption of perfluorooctanoic acid (PFOA) onto anion exchange resin, non-ion exchange resin, and granular-activated carbon by batch and column	2014
1881	Aerobic Oxidation of Aldehydes by Visible Light Photocatalysis.	2014
1882	Alternative Eluent Composition for LC-MS Analysis of Perfluoroalkyl Acids in Raw Fish Samples	2014
1883	An eco-benign and highly efficient access to dihydro-1H-indeno[1,2-b]pyridines in 2,2,2-trifluoroethanol.	2014
1884	An in-vitro investigation of the effect of perfluorooctane sulfonate on cell lines of embryonic origin	2014
1885	An overview of time trends in organic contaminant concentrations in marine mammals: Going up or down?	2014
1886	Analysis of selected perfluoroalkyl substances (PFASs) in beer to evaluate the effect of beer consumption on human PFAS exposure: a pilot study.	2014
1887	Analysis of Trace Metals and Perfluorinated Compounds in 43 Representative Tea Products from South China	2014
1888	Aromatic Copolymers Containing Ammonium-Functionalized Oligophenylene Moieties as Highly Anion Conductive Membranes.	2014
1889	Association between environmental contaminants and health outcomes in indigenous populations of the Circumpolar North	2014
1890	Association between Maternal Serum Perfluoroalkyl Substances during Pregnancy and Maternal and Cord Thyroid Hormones: Taiwan Maternal and Infant Cohort Study	2014
1891	Associations between Perfluoroalkyl acids (PFASs) and maternal thyroid hormones in early pregnancy: A population-based cohort study.	2014
1892	Associations between serum concentrations of perfluoroalkyl acids and serum lipid levels in a Chinese population	2014
1893	Asymmetric Nucleophilic Monofluorobenzoylation of Allyl and Propargyl Halides Mediated by a Remote Sulfanyl Group: Synthesis of Homoallylic and Homopropargylic Fluorides.	2014
1894	Asymmetric Synthesis of Agrochemically Attractive Trifluoromethylated Dihydrozoles and Related Compounds under Organocatalysis	2014

1895	Atmospheric concentrations and gas/particle partitioning of neutral poly- and perfluoroalkyl substances in northern German coast	2014
1896	Autoantibodies associated with prenatal and childhood exposure to environmental chemicals in Faroese children.	2014
1897	Behaviour and fate of perfluoroalkyl and polyfluoroalkyl substances (PFASs) in drinking water treatment: A review	2014
1898	Binuclear iron(III) octakis(perfluorophenyl)tetraazaporphyrin $\mu$ -oxodimer: a highly efficient catalyst for biomimetic oxygenation reactions.	2014
1899	Bioaccumulation and trophic transfer of perfluorinated compounds in a eutrophic freshwater food web	2014
1900	Bioaccumulation of perfluoroalkyl compounds in midge ( <i>Chironomus riparius</i> ) larvae exposed to sediment	2014
1901	Biodegradation of perfluorooctanesulfonate (PFOS) as an emerging contaminant	2014
1902	Biomonitoring for Perfluorochemicals in a Minnesota Community With Known Drinking Water Contamination	2014
1903	BIOTRANSFORMATION PATHWAYS OF FLUOROTELOMER-BASED POLYFLUOROALKYL SUBSTANCES: A REVIEW	2014
1904	Breast cancer risk after exposure to perfluorinated compounds in Danish women: a case-control study nested in the Danish National Birth Cohort	2014
1905	Breastfeeding: A Potential Excretion Route for Mothers and Implications for Infant Exposure to Perfluoroalkyl Acids	2014
1906	Cellular target recognition of perfluoroalkyl acids: In vitro evaluation of inhibitory effects on lysine decarboxylase	2014
1907	Cellular Toxicity Associated with Exposure to Perfluorinated Carboxylates (PFCAs) and Their Metabolic Precursors	2014
1908	Changes in Serum Concentrations of Maternal Poly- and Perfluoroalkyl Substances over the Course of Pregnancy and Predictors of Exposure in a Multiethnic Cohort of Cincinnati, Ohio Pregnant Women during 2003-2006	2014
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1911	Characterizing Fluorotelomer and Polyfluoroalkyl Substances in New and Aged Fluorotelomer-Based Polymers for Degradation Studies with GC/MS and LC/MS/MS.	2014
1912	Chemical Properties, Environmental Fate, and Degradation of Seven Classes of Pollutants	2014
1913	Chlorinated, brominated, and fluorinated organic pollutants in Nile crocodile eggs from the Kruger National Park, South Africa.	2014
1914	Chronic effects of PFOA and PFOS on sexual reproduction of freshwater rotifer <i>Brachionus calyciflorus</i>	2014
1915	Circulating levels of perfluoroalkyl substances and prevalent diabetes in the elderly	2014
1916	Comparative hepatic in vitro depletion and metabolite formation of major perfluorooctane sulfonate precursors in arctic polar bear, beluga whale, and ringed seal	2014
1917	Comparative sorption and desorption behaviors of PFHxS and PFOS on sequentially extracted humic substances	2014
1918	Comparative study on adsorption of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) by different adsorbents in water.	2014
1919	Comparison of the sorption behaviors and mechanisms of perfluorosulfonates and perfluorocarboxylic acids on three kinds of clay minerals	2014
1920	Comparison of two different passive air samplers (PUP-PAS versus SIP-PAS) to determine time-integrated average air concentration of volatile hydrophobic organic pollutants	2014
1921	Comparison study on observed and estimated concentrations of perfluorooctane sulfonate using a fate model in Tokyo Bay of Japan.	2014
1922	Concentration profiles and spatial distribution of perfluoroalkyl substances in an industrial center with condensed fluorochemical facilities	2014
1923	Contaminant levels in the world's northernmost harbor seals ( <i>Phoca vitulina</i> )	2014
1924	Contamination profiles of perfluoroalkyl substances in five typical rivers of the Pearl River Delta region, South China	2014
1925	Cooking fish is not effective in reducing exposure to perfluoroalkyl and polyfluoroalkyl substances.	2014
1926	Copper-Catalyzed Oxidative Cyclization of 1,5-Enynes with Concomitant C-C Bond Cleavage: An Unexpected Access to 3-Formyl-1-indenone Derivatives	2014
1927	Coupling Solid-Phase Microextraction with Ambient Mass Spectrometry Using Surface Coated Wooden-Tip Probe for Rapid Analysis of Ultra Trace Perfluorinated Compounds in Complex Samples	2014
1928	Cucurbiturils as fluorophilic receptors.	2014
1929	Deactivation and regeneration of Pt/TiO <sub>2</sub> nanosheet-type catalysts with exposed (001) facets for room temperature oxidation of formaldehyde	2014
1930	Decline in perfluorooctane sulfonate and perfluorooctanoate serum concentrations in an Australian population from 2002 to 2011	2014
1931	Degradation of Perfluorooctanoic Acid by Reactive Species Generated through Catalyzed H <sub>2</sub> O <sub>2</sub> Propagation Reactions	2014
1932	Detection of PFOS and copper(II) ions based on complexation induced fluorescence quenching of porphyrin molecules	2014
1933	Determination of perfluorinated compounds (PFCs) in various foodstuff packaging materials used in the Greek market	2014
1934	Determination of perfluorooctanoic acid and perfluorooctane sulfonate in cooking oil and pig adipose tissue using reversed-phase liquid-liquid extraction followed by high performance liquid chromatography tandem mass spectrometry	2014
1935	Development of a polymeric ionic liquid coating for direct-immersion solid-phase microextraction using polyhedral oligomeric silsesquioxane as cross-linker.	2014
1936	Development of an Ultraperformance Liquid Chromatography-Tandem Mass Spectrometry Method for the Analysis of Perfluorinated Compounds in Fish and Fatty Food.	2014
1937	Development of environmentally-friendly surface modification technology - Practical realization of novel oleophobic coating without relying on perfluorinated compounds and surface texturing	2014
1938	Developmental Immunotoxicity, Perinatal Programming, and Noncommunicable Diseases: Focus on Human Studies	2014
1939	Discharge of perfluorinated compounds from rivers and their influence on the coastal seas of Hyogo prefecture, Japan	2014
1940	Discovery and Characterization of Novel Selective Inhibitors of Carbonic Anhydrase IX	2014
1941	Discovery and Characterization of Novel Selective Inhibitors of Carbonic Anhydrase IX.	2014
1942	Distribution and fate of perfluoroalkyl substances in Mediterranean Spanish sewage treatment plants	2014
1943	Distribution and primary source analysis of per- and poly-fluoroalkyl substances with different chain lengths in surface and groundwater in two cities, North China.	2014
1944	Distribution of perfluorinated compounds in Lake Taihu (China): Impact to human health and water standards	2014
1945	Early life perfluorooctanesulfonic acid (PFOS) exposure impairs zebrafish organogenesis	2014
1946	Effect of Body Condition on Tissue Distribution of Perfluoroalkyl Substances (PFASs) in Arctic Fox ( <i>Vulpes lagopus</i> ).	2014
1947	Effects of beta-glucan on some environmental toxins: An overview	2014
1948	Effects of chain length and pH on the uptake and distribution of perfluoroalkyl substances in maize ( <i>Zea mays</i> )	2014
1949	Effects of pH on photochemical decomposition of perfluorooctanoic acid in different atmospheres by 185 nm vacuum ultraviolet	2014
1950	Effects of pH on photochemical decomposition of perfluorooctanoic acid in different atmospheres by 185 nm vacuum ultraviolet.	2014
1951	Electrochemical oxidation of 1H,1H,2H,2H-perfluorooctane sulfonic acid (6:2 FTS) on DSA electrode: Operating parameters and mechanism	2014
1952	Emerging Persistent Organic Pollutants in Chinese Bohai Sea and Its Coastal Regions	2014
1953	Enantioselective Organocatalytic Fluorination-Induced Wagner-Meerwein Rearrangement.	2014
1954	Endocrine and Fitness Correlates of Long-Chain Perfluorinated Carboxylates Exposure in Arctic Breeding Black-Legged Kittiwakes	2014
1955	Endocrine disruption effects of long-term exposure to perfluorodecanoic acid (PFDA) and perfluorotridecanoic acid (PFTrDA) in zebrafish ( <i>Danio rerio</i> ) and related mechanisms	2014
1956	Endocrine disruptive compounds and cardio-metabolic risk factors in children	2014
1957	Environmental and ecological effects of Lake Shihwa reclamation project in South Korea: A review	2014
1958	Epidemiologic Tools to Study the Influence of Environmental Factors on Fecundity and Pregnancy-related Outcomes	2014
1959	Establishment, Characterization, and Toxicological Application of Loggerhead Sea Turtle ( <i>Caretta caretta</i> ) Primary Skin Fibroblast Cell Cultures	2014
1960	Estimating Common Parameters of Lognormally Distributed Environmental and Biomonitoring Data: Harmonizing Disparate Statistics From Publications	2014
1961	Evaluation of the three-phase equilibrium method for measuring temperature dependence of internally consistent partition coefficients (K(OW), K(OA), and K(AW)) for volatile methylsiloxanes and trimethylsilanol.	2014
1962	Evidence of Remediation-Induced Alteration of Subsurface Poly- and Perfluoroalkyl Substance Distribution at a Former Firefighter Training Area	2014
1963	Evolutionary ecotoxicology of perfluoroalkyl substances (PFASs) inferred from multigenerational exposure: A case study with <i>Chironomus riparius</i> (Diptera, Chironomidae)	2014
1964	Exploring the potential association between brominated diphenyl ethers, polychlorinated biphenyls, organochlorine pesticides, perfluorinated compounds, phthalates, and bisphenol A in polycystic ovary syndrome: A case-control study	2014
1965	Exposure and effects of perfluoroalkyl substances in tree swallows nesting in Minnesota and Wisconsin, USA.	2014
1966	Exposure to Perfluoroalkyl Substances and Sperm DNA Global Methylation in Arctic and European Populations	2014
1967	Exposure to Perfluorooctane Sulfonate In Utero Reduces Testosterone Production in Rat Fetal Leydig Cells	2014
1968	Exposure to Perfluorooctane Sulfonate In Utero Reduces Testosterone Production in Rat Fetal Leydig Cells	2014
1969	Fate and effects of poly- and perfluoroalkyl substances in the aquatic environment: A review.	2014
1970	Fate of Polyfluoroalkyl Phosphate Diesters and Their Metabolites in Biosolids-Applied Soil: Biodegradation and Plant Uptake in Greenhouse and Field Experiments	2014
1971	Fetal exposure to perfluorinated compounds and attention deficit hyperactivity disorder in childhood.	2014
1972	Firefighters' exposure to perfluoroalkyl acids and 2-butoxyethanol present in firefighting foams	2014
1973	Fish consumption as a source of human exposure to perfluorinated alkyl substances in Italy: Analysis of two edible fish from Lake Maggiore.	2014
1974	Fluorinated analogues of mianserin, a highly $\alpha_2$ -AR/imidazoline 11 binding site-selective hypotensive agent. Synthesis and biological activities.	2014

1975	Fluorinated Proteins: From Design and Synthesis to Structure and Stability	2014
1976	Fluorocarbon-bonded magnetic mesoporous microspheres for the analysis of perfluorinated compounds in human serum by high-performance liquid chromatography coupled to tandem mass spectrometry	2014
1977	Focused ultrasound solid-liquid extraction for the determination of perfluorinated compounds in fish, vegetables and amended soil	2014
1978	Friction Properties of Fluorinated Graphitized Carbon Blacks	2014
1979	Global emission inventories for C4-C14 perfluoroalkyl carboxylic acid (PFCA) homologues from 1951 to 2030, part II: The remaining pieces of the puzzle	2014
1980	High levels of perfluoroalkyl acids in sport fish species downstream of a firefighting training facility at Hamilton International Airport, Ontario, Canada	2014
1981	Highly Diastereoselective Synthesis of Chiral Furans with a Quaternary Carbon Substituent at the 2-Position Using 8-Phenylmenthol as the Chiral Auxiliary	2014
1982	Highly efficient separation of rare earths from nickel and cobalt by solvent extraction with the ionic liquid trihexyl(tetradecyl)phosphonium nitrate: a process relevant to the recycling of rare earths from permanent magnets and nickel metal hydride batteries	2014
1983	Highly Elevated Serum Concentrations of Perfluoroalkyl Substances in Fishery Employees from Tangxun Lake, China	2014
1984	Highly Enantioselective Preparation of Fluorinated Phosphonates by Michael Addition of $\alpha$ -Fluoro- $\beta$ -ketophosphonates to Nitroalkenes	2014
1985	Highly fluorinated erbium(III) complexes for emission in the C-band	2014
1986	Highly fluorinated hydrotris(indazolyl)borate calcium complexes: the structure and reactivity heavily depend on the ligand's electronic properties	2014
1987	Highly fluorinated polyimide blends - Insights into physico-chemical characterization	2014
1988	Highly transparent and hydrophobic fluorinated polyimide films with ortho-kink structure	2014
1989	Historical trends of inorganic and organic fluorine in sediments of Lake Michigan	2014
1990	Hydrophobization of cellulose-containing materials with fluoroacrylic polymers and fatty carboxylic acids	2014
1991	Hydrophobization of cellulose-containing materials with fluoroacrylic polymers and fatty carboxylic acids	2014
1992	Hyperbranched Polyfluorinated benzyl ether polymers: Mechanism, kinetics, and optimization	2014
1993	Identification of Novel Fluorinated Surfactants in Aqueous Film Forming Foams and Commercial Surfactant Concentrates	2014
1994	Identification of perfluorooctane sulfonate binding protein in the plasma of tiger pufferfish <i>Takifugu rubripes</i>	2014
1995	In vitro evaluation of the effects of perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) on IL-2 production in human T-cells	2014
1996	In Vitro Metabolic Formation of Perfluoroalkyl Sulfonamides from Copolymer Surfactants of Pre- and Post-2002 Scotchgard Fabric Protector Products	2014
1997	In vitro PFOS exposure on immune endpoints in bottlenose dolphins ( <i>Tursiops truncatus</i> ) and mice	2014
1998	Influence of fluorination on the characterization of fluorotelomer-based acrylate polymers by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry	2014
1999	Influenza Vaccine Response in Adults Exposed to Perfluorooctanoate and Perfluorooctanesulfonate	2014
2000	Internal stress-induced melting below melting temperature at high-rate laser heating	2014
2001	Inventory development for perfluorooctane sulfonic acid (PFOS) in Turkey: challenges to control chemicals in articles and products	2014
2002	Investigating sources and pathways of perfluoroalkyl acids (PFAAs) in aquifers in Tokyo using multiple tracers	2014
2003	Investigation of the stability of metal oxide powders and ceramic membranes grafted by perfluoroalkylsilanes	2014
2004	Isomer-Specific Accumulation of Perfluorooctanesulfonate from (N-Ethyl perfluorooctanesulfonamido)ethanol-based Phosphate Diester in Japanese Medaka ( <i>Oryzias latipes</i> )	2014
2005	Large-scale Synthesis of Urchin-like Mesoporous TiO <sub>2</sub> Hollow Spheres by Targeted Etching and Their Photoelectrochemical Properties	2014
2006	Limited representation of drinking-water contaminants in pregnancy-birth cohorts	2014
2007	Liquid density prediction of five different classes of refrigerant systems (HCFCs, HFCs, HFEs, PFAs and PFAAs) using the artificial neural network-group contribution method	2014
2008	Liquid Perfluorochemicals as Flexible and Efficient Gas Carriers Applied in Bioprocess Engineering: An Updated Overview and Future Prospects	2014
2009	Looking for protein expression signatures in European eel peripheral blood mononuclear cells after in vivo exposure to perfluorooctane sulfonate and a real world field study	2014
2010	Loss and in situ production of perfluoroalkyl chemicals in outdoor biosolids-soil mesocosms	2014
2011	Maternal serum concentrations of per- and polyfluoroalkyl substances and their predictors in years with reduced production and use	2014
2012	Modulation of Silver-Titania Nanoparticles on Polymethylhydrosiloxane-based Semi-Interpenetrating Networks for Catalytic Alkynylation of Trifluoromethyl Ketones and Aromatic Aldehydes in Water	2014
2013	Monodisperse PEGylated Spheres: An Aqueous Colloidal Model System	2014
2014	Multi-biomarker responses in green mussels exposed to PFCs: effects at molecular, cellular, and physiological levels	2014
2015	Multi-residue method for the determination of over 400 priority and emerging pollutants in water and wastewater by solid-phase extraction and liquid chromatography-time-of-flight mass spectrometry	2014
2016	Multivincular fluorine substitution of the cyclohexane ring	2014
2017	Mutual impacts of wheat ( <i>Triticum aestivum</i> L.) and earthworms ( <i>Eisenia fetida</i> ) on the bioavailability of perfluoroalkyl substances (PFAAs) in soil	2014
2018	Nano-displacement measurements of a new piezoelectric flexensional actuator by using a high dynamic range interferometry homodyne method	2014
2019	Neutral polyfluoroalkyl substances in the global Atmosphere	2014
2020	No association between exposure to perfluorinated compounds and congenital cryptorchidism: a nested case-control study among 215 boys from Denmark and Finland	2014
2021	No Evidence of Perfluorinated Compounds Involvement	2014
2022	Novel method for incorporating hydrophobic silica nanoparticles on polyetherimide hollow fiber membranes for CO <sub>2</sub> absorption in a gas-liquid membrane contactor	2014
2023	Nucleophilic radiofluorination at room temperature via aziridinium intermediates	2014
2024	Occurrence and transport of 17 perfluoroalkyl acids in 12 coastal rivers in south Bohai coastal region of China with concentrated fluoropolymer facilities	2014
2025	Occurrence of contaminants of emerging concern in mussels ( <i>Mytilus</i> spp.) along the California coast and the influence of land use, storm water discharge, and treated wastewater effluent	2014
2026	Occurrence of eight household micropollutants in urban wastewater and their fate in a wastewater treatment plant. Statistical evaluation	2014
2027	Occurrence of perfluorinated compounds in the aquatic environment as found in science park effluent, river water, rainwater, sediments, and biotissues	2014
2028	Oceanic dispersion simulation of perfluoroalkyl substances in the Western North Pacific associated with the Great East Japan Earthquake of 2011	2014
2029	Organic contaminants in bats: Trends and new issues	2014
2030	Orthogonal zirconium diol/C18 liquid chromatography-tandem mass spectrometry analysis of poly and perfluoroalkyl substances in landfill leachate	2014
2031	Oxidative nucleophilic strategy for synthesis of thiocyanates and trifluoromethyl sulfides from thiols	2014
2032	Oxidative-reductive photodecomposition of perfluorooctanoic acid in water	2014
2033	Paired approaches to closely spaced runways: Results of pilot and ATC simulation	2014
2034	Parameters affecting the formation of perfluoroalkyl acids during wastewater treatment	2014
2035	Partitioning behavior of perfluorinated compounds between sediment and biota in the Pearl River Delta of South China	2014
2036	Partitioning of perfluorooctanesulfonate and perfluorohexanesulfonate in the aquatic environment after an accidental release of aqueous film forming foam at Schiphol Amsterdam Airport	2014
2037	Partitioning of perfluorooctanesulfonate and perfluorohexanesulfonate in the aquatic environment after an accidental release of aqueous film forming foam at Schiphol Amsterdam Airport	2014
2038	PBPK modeling for PFOS and PFOA: Validation with human experimental data	2014
2039	Perfluorinated 1H-indazoles and hydrotris(indazol-1-yl)borates. Supramolecular organization and a new synthetic procedure to form scorpionate ligands	2014
2040	Perfluorinated alkyl substances in water, sediment, plankton and fish from Korean rivers and lakes: A nationwide survey	2014
2041	Perfluorinated compounds in blood of textile workers and barbers	2014
2042	Perfluorinated compounds in blood of textile workers and barbers	2014
2043	Perfluorinated compounds in serum and urine samples from children aged 5-13 years in South Korea	2014
2044	Perfluorinated compounds in the surface waters of Puger Sound, Washington and Clayoquot and Barkley Sounds, British Columbia	2014
2045	Perfluoroalkyl Acid Contamination and Polyunsaturated Fatty Acid Composition of French Freshwater and Marine Fishes	2014
2046	Perfluoroalkyl acids and the isomers of perfluorooctanesulfonate and perfluorooctanoate in the sera of 50 new couples in Tianjin, China	2014
2047	Perfluoroalkyl acids in blood serum samples from children in Taiwan	2014
2048	Perfluoroalkyl substances and lipid concentrations in plasma during pregnancy among women in the Norwegian Mother and Child Cohort Study	2014
2049	Perfluoroalkyl substances and organochlorine pesticides in sediments from Huaihe watershed in China	2014
2050	Perfluoroalkyl substances and time to pregnancy in couples from Greenland, Poland and Ukraine	2014
2051	Perfluoroalkyl Substances During Pregnancy and Validated Preeclampsia Among Nulliparous Women in the Norwegian Mother and Child Cohort Study	2014
2052	Perfluoroalkyl substances in soils around the Nepali Koshi River: levels, distribution, and mass balance	2014
2053	Perfluoroalkyl substances in the blood samples from a male population of Sweden	2014

2054	Perfluorodecalin-soluble fluorescent dyes for the monitoring of circulating nanocapsules with intravital fluorescence microscopy.	2014
2055	Perfluorooctane sulfonate blocked autophagy flux and induced lysosome membrane permeabilization in HepG2 cells.	2014
2056	Perfluorooctanesulfonate (PFOS) Perturbs Male Rat Sertoli Cell Blood-Testis Barrier Function by Affecting F-Actin Organization via p-FAK-Tyr(407): An In Vitro Study	2014
2057	Perfluorooctanoate exposure and major birth defects	2014
2058	Perfluorooctanoate exposure in a highly exposed community and parent and teacher reports of behaviour in 6-12-year-old children.	2014
2059	Perfluorooctanoic Acid Exposure and Thyroid Disease in Community and Worker Cohorts	2014
2060	Perfluorooctanoic acid stimulates breast cancer cells invasion and up-regulates matrix metalloproteinase-2/9 expression mediated by activating NF-kappa B	2014
2061	Performance of the Wet Oxidation Unit of the HPLC Isotope Ratio Mass Spectrometry System for Halogenated Compounds	2014
2062	Perinatal Exposure to Perfluorooctane Sulfonate Affects Glucose Metabolism in Adult Offspring	2014
2063	PET radiotracer [ <sup>18</sup> F]-P6 selectively targeting COX-1 as a novel biomarker in ovarian cancer: Preliminary investigation.	2014
2064	PFOS affects posterior swim bladder chamber inflation and swimming performance of zebrafish larvae	2014
2065	Pap efflux pump inhibition potential of common environmental contaminants determined in vitro	2014
2066	Phlebotomy Treatment for Elimination of Perfluoroalkyl Acids in a Highly Exposed Family: A Retrospective Case-Series	2014
2067	Photochemical Activation of Extremely Weak Nucleophiles: Highly Fluorinated Urethanes and Polyurethanes from Polyfluoro Alcohols.	2014
2068	Pilot study on levels of chemical contaminants and porphyrins in <i>Caretta caretta</i> from the Mediterranean Sea	2014
2069	Pilot study to assess effects of collection tube types and processing delay on measurements of persistent organic pollutants and lipids in human serum.	2014
2070	Polybrominated diphenyl ethers and perfluoroalkyl substances in serum of pregnant women: levels, correlations, and potential health implications.	2014
2071	Polyfluorinated Alkyl Phosphate Ester Surfactants - Current Knowledge and Knowledge Gaps	2014
2072	Polyfluoroalkyl Chemicals and Menopause among Women 20-65 Years of Age (NHANES)	2014
2073	Polymorphisms in Phase I and Phase II genes and breast cancer risk and relations to persistent organic pollutant exposure: a case-control study in Inuit women.	2014
2074	Pop, heavy metal and the blues: secondary analysis of persistent organic pollutants (POP), heavy metals and depressive symptoms in the NHANES National Epidemiological Survey	2014
2075	Potential Estrogenic Effects of Phosphorus-Containing Flame Retardants	2014
2076	Predicting Partition Coefficients of Polyfluorinated and Organosilicon Compounds using Polyparameter Linear Free Energy Relationships (PP-LFERs)	2014
2077	Predicting Partition Coefficients of Polyfluorinated and Organosilicon Compounds using Polyparameter Linear Free Energy Relationships (PP-LFERs)	2014
2078	Prediction of the air-water partition coefficient for perfluoro-2-methyl-3-pentanone using high-level Gaussian-4 composite theoretical methods	2014
2079	Prenatal ethanol exposure differentially affects hippocampal neurogenesis in the adolescent and aged brain.	2014
2080	Prenatal exposure to endocrine disrupting chemicals in relation to thyroid hormone levels in infants - a Dutch prospective cohort study	2014
2081	Prenatal exposure to perfluoroalkyl acids and allergic diseases in early childhood	2014
2082	Prenatal Exposure to Perfluoroalkyl Substances and the Risk of Congenital Cerebral Palsy in Children	2014
2083	Production of Highly Hydrophobic Nanofiber Materials by Non-capillary Electrospinning of Solutions of Hydrophobic Polymers and Their Mixtures.	2014
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2085	Radical ipso-Substitution of a Carbon-Fluorine Bond Leading to Fluoro-7-azaindoles and Fluoro-7-azaindoles.	2014
2086	Refractive index and dispersion of highly fluorinated acrylic monomers in the 1.5µm telecom wavelength region measured with a spectroscopic Abbe refractometer	2014
2087	Regulation of corticosterone secretion is modified by PFOS exposure at different levels of the hypothalamic-pituitary-adrenal axis in adult male rats	2014
2088	Relationships of Chemical Concentrations in Maternal and Cord Blood: A Review of Available Data.	2014
2089	Removal of perfluoroalkyl sulfonates (PFAS) from aqueous solution using permanently confined micelle arrays (PCMAs)	2014
2090	Removal of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) from water by coagulation: Mechanisms and influencing factors	2014
2091	Removal of perfluorooctanoic acid from water by adsorption on high surface area mesoporous materials	2014
2092	Repeated measurements of per- and polyfluoroalkyl substances (PFASs) from 1979 to 2007 in males from Northern Norway: Assessing time trends, compound correlations and relations to age/birth cohort	2014
2093	Resistive Plate Chambers for imaging calorimetry - The DHCAL	2014
2094	Role of Air Bubbles Overlooked in the Adsorption of Perfluorooctanesulfonate on Hydrophobic Carbonaceous Adsorbents	2014
2095	Self-assembled monolayers on gold generated from terminally perfluorinated alkanethiols bearing propyl vs. ethyl hydrocarbon spacers.	2014
2096	Sensitive Colorimetric Visualization of Perfluorinated Compounds Using Poly(ethylene glycol) and Perfluorinated Thiols Modified Gold Nanoparticles.	2014
2097	Serum biomarkers of polyfluoroalkyl compound exposure in young girls in Greater Cincinnati and the San Francisco Bay Area, USA	2014
2098	Serum levels of perfluoroalkyl acids (PFAAs) with isomer analysis and their associations with medical parameters in Chinese pregnant women	2014
2099	Short communication: Monitoring the presence of perfluoroalkyl substances in Italian cow milk.	2014
2100	Silver-catalyzed one-pot cyclization/fluorination of 2-alkylmylanilines: highly efficient synthesis of structurally diverse fluorinated indole derivatives.	2014
2101	Simultaneous determination of eighteen perfluorinated compounds in dissolved and particulate phases of wastewater, and in sewage sludge by liquid chromatography-tandem mass spectrometry	2014
2102	Skeletal Cubic, Lamellar, and Ribbon Phases of Bundled Thermotropic Bolopolyphiles.	2014
2103	Solid-phase extraction of PFOA and PFOS from surface waters on functionalized multiwalled carbon nanotubes followed by UPLC-ESI-MS.	2014
2104	Sources and fate of perfluorinated compounds in the aqueous environment and in drinking water of a highly urbanized and industrialized area in Italy	2014
2105	Spatial and Temporal Patterns in Concentrations of Perfluorinated Compounds in Bald Eagle Nestlings in the Upper Midwestern United States.	2014
2106	Spatial and vertical variations of perfluoroalkyl substances in sediments of the Haihe River, China.	2014
2107	Spatial distribution of perfluorooctane sulfonate (PFOS) in major rivers in southwest Nigeria	2014
2108	Spatiotemporal distribution and mass loadings of perfluoroalkyl substances in the Yangtze River of China.	2014
2109	Stock volatility and pension funds under an individual capitalization-based system	2014
2110	Structure and supercapacitor performance of graphene materials obtained from brominated and fluorinated graphites	2014
2111	Structure of a Putative Fluorinated Natural Product from <i>Streptomyces</i> sp. TC1	2014
2112	Structure-dependent binding and activation of perfluorinated compounds on human peroxisome proliferator-activated receptor $\gamma$ .	2014
2113	Structure of a Putative Fluorinated Natural Product from <i>Streptomyces</i> sp. TC1.	2014
2114	Superior Thermostability and Hydrophobicity of Poly(vinylidene fluoride-co-fluoroalkyl 2-trifluoromethylacrylate).	2014
2115	Surface properties of alicyclic epoxy coatings modified with reactive copolymer containing fluorinated side chains.	2014
2116	Susceptibility of Riparian Wetland Plants to Perfluorooctanoic Acid (PFOA) Accumulation.	2014
2117	Synergistic effects of perfluoroalkyl acids mixtures with J-shaped concentration-responses on viability of a human liver cell line	2014
2118	Synthesis and characterization of [S <sub>2</sub> MoS <sub>2</sub> Cu(n-SPhF)] <sub>2</sub> -(n= o, m, p) clusters: Potential 19F-NMR structural probes for Orange Protein	2014
2119	Synthesis and characterization of highly fluorinated poly(phthalazinone ether)s based on AB-type monomers.	2014
2120	Synthesis and characterization of new Pd(II) non-symmetrical Pincer complexes derived from thioether functionalized iminophosphoranes. Evaluation of their catalytic activity in the Suzuki-Miyaura couplings	2014
2121	Synthesis and evaluation of F-18-labeled ATP competitive inhibitors of topoisomerase II as probes for imaging topoisomerase II expression	2014
2122	Synthesis and uses of fluorinated and highly fluorinated macrocyclic and spherical molecules	2014
2123	Synthesis of Cu-I Trifluoromethylselenates for Trifluoromethylselenation of Aryl and Alkyl Halides	2014
2124	Temporal trends (1999-2010) of perfluoroalkyl acids in commonly consumed food items	2014
2125	Temporal trends of perfluoroalkane sulfonic acids and their sulfonamide-based precursors in herring from the Swedish west coast 1991-2011 including isomer-specific considerations	2014
2126	The association between PFOA, PFOS and serum lipid levels in adolescents	2014
2127	The fate of per- and polyfluoroalkyl substances within a melting snowpack of a boreal forest	2014
2128	The impact of ionic liquid fluorinated moieties on their thermophysical properties and aqueous phase behaviour.	2014
2129	The influence of surface modification on the physicochemical properties of ceramic membranes.	2014
2130	The role of interleukin family in perfluorooctanoic acid (PFOA)-induced immunotoxicity	2014
2131	The study of interaction between PFOA/PFOS and uracil by topology quality and spectroscopic analysis	2014
2132	Thermodynamic stability of PFOS: M06-2X and B3LYP comparison.	2014
2133	Time trends between 1987 and 2007 for perfluoroalkyl acids in plasma from Swedish women	2014
2134	Tissue distribution of S-35-labelled perfluorobutanesulfonic acid in adult mice following dietary exposure for 1-5 days	2014
2135	Total synthesis of ene(-)-azonazine using a biomimetic direct oxidative cyclization and structural reassignment of natural product.	2014
2136	Transport of perfluoroalkyl acids in a water-saturated sediment column investigated under near-natural conditions	2014



2137	Treatment of poly- and perfluoroalkyl substances in US full-scale water treatment systems	2014
2138	Trophic Magnification and Isomer Fractionation of Perfluoroalkyl Substances in the Food Web of Taihu Lake, China	2014
2139	Uptake of perfluorinated compounds by plants grown in nutrient solution.	2014
2140	Use of high-resolution mass spectrometry to identify precursors and biodegradation products of perfluorinated and polyfluorinated compounds in end-user products	2014
2141	UV Curing of Perfluoropolyether Oligomers Containing Graphene Nanosheets to Enhance Water-Vapor Barrier Properties.	2014
2142	Yolk-shell structured Fe <sub>3</sub> O <sub>4</sub> @C@F-TiO <sub>2</sub> microspheres with surface fluorinated as recyclable visible-light driven photocatalysts.	2014
2143	A broad cocktail of environmental pollutants found in eggs of three seabird species from remote colonies in Norway.	2015
2144	A Combined 28-Day Oral Toxicity Study of HFPO-Amidol (CASRN 75888-49-2) With Reproductive/Developmental Toxicity Screening Test in Wistar Han Rats.	2015
2145	A comparative study of coagulation, granular- and powdered-activated carbon for the removal of perfluorooctane sulfonate and perfluorooctanoate in drinking water treatment	2015
2146	A Highly Regio- and Stereoselective Synthesis of $\alpha$ -Fluorinated Imides via Fluorination of Chiral Enamides.	2015
2147	A pilot study on the assessment of trace organic contaminants including pharmaceuticals and personal care products from on-site wastewater treatment systems along Skaneateles Lake in New York State, USA	2015
2148	Accumulation and maternal transfer of perfluorooctane sulphonic acid in yellow-legged (Larus michahellis) and Audouin's gull (Larus audouinii) from the Ebro Delta Natural Park	2015
2149	Adsorption and hydraulic conductivity of landfill-leachate perfluorinated compounds in bentonite barrier mixtures	2015
2150	Aerobic Biotransformation of Fluorotelomer Thioether Amido Sulfonate (Lodyne) in AFFF-Amended Microcosms.	2015
2151	Aerobic biotransformation studies of two trifluoromethoxy-substituted aliphatic alcohols and a novel fluorinated C <sub>3</sub> -based building block	2015
2152	Alternative and Legacy Perfluoroalkyl Substances: Differences between European and Chinese River/Estuary Systems	2015
2153	An automated high-throughput SPE micro-elution method for perfluoroalkyl substances in human serum	2015
2154	An eosin Y-based "turn-on" fluorescent sensor for detection of perfluorooctane sulfonate	2015
2155	An On-Line Solid Phase Extraction-Liquid Chromatography-Tandem Mass Spectrometry Method for the Determination of Perfluoroalkyl Acids in Drinking and Surface Waters	2015
2156	Antioxidative-related genes expression following perfluorooctane sulfonate (PFOS) exposure in the intertidal mud crab, <i>Macrophthalmus japonicus</i>	2015
2157	Are levels of perfluoroalkyl substances in soil related to urbanization in rapidly developing coastal areas in North China?	2015
2158	Are perfluoroalkyl acids in waste water treatment plant effluents the result of primary emissions from the technosphere or of environmental recirculation?	2015
2159	Assessing the relationship between perfluoroalkyl substances, thyroid hormones and binding proteins in pregnant women; a longitudinal mixed effects approach	2015
2160	Assessment of Urinary Metabolite Excretion After Rat Acute Exposure to Perfluorooctanoic Acid and Other Peroxisomal Proliferators	2015
2161	Association between Perfluorinated Compound Exposure and Miscarriage in Danish Pregnant Women.	2015
2162	Association between perfluoroalkyl substances and reproductive hormones in adolescents and young adults.	2015
2163	Association of polyfluoroalkyl chemical exposure with serum lipids in children	2015
2164	Associations of Perfluoroalkyl Substances (PFAS) with Lower Birth Weight: An Evaluation of Potential Confounding by Glomerular Filtration Rate Using a Physiologically Based Pharmacokinetic Model (PBPk).	2015
2165	Attention deficit/hyperactivity disorder and childhood autism in association with prenatal exposure to perfluoroalkyl substances: a nested case-control study in the Danish National Birth Cohort.	2015
2166	Attention Deficit/Hyperactivity Disorder and Childhood Autism in Association with Prenatal Exposure to Perfluoroalkyl Substances: A Nested Case-Control Study in the Danish National Birth Cohort.	2015
2167	Bias from conditioning on live birth in pregnancy cohorts: an illustration based on neurodevelopment in children after prenatal exposure to organic pollutants.	2015
2168	Bioavailability of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) in biosolids-amended soils to earthworms ( <i>Eisenia fetida</i> )	2015
2169	Biomonitoring of Perfluorinated Compounds in a Drop of Blood	2015
2170	Brain region-specific perfluoroalkylated sulfonate (PFSA) and carboxylic acid (PFCA) accumulation and neurochemical biomarker Responses in east Greenland polar Bears ( <i>Ursus maritimus</i> ).	2015
2171	Breastfeeding as an Exposure Pathway for Perfluorinated Alkylates	2015
2172	Can exposure to environmental chemicals increase the risk of diabetes type 1 development?	2015
2173	Can the observed association between serum perfluoroalkyl substances and delayed menarche be explained on the basis of puberty-related changes in physiology and pharmacokinetics?	2015
2174	Characterization and Distribution of Heavy Metals, Polybrominated Diphenyl Ethers and Perfluoroalkyl Substances in Surface Sediment from the Dayan River, South China	2015
2175	Characterization of the thermolysis products of Nafion membrane: A potential source of perfluorinated compounds in the environment	2015
2176	Chlorinated, brominated and fluorinated organic pollutants in African Penguin eggs: 30 years since the previous assessment	2015
2177	Chromosomal aneuploidies and DNA fragmentation of human spermatozoa from patients exposed to perfluorinated compounds	2015
2178	Chromosomal damage and EROD induction in tree swallows ( <i>Tachycineta bicolor</i> ) along the Upper Mississippi River, Minnesota, USA	2015
2179	Circulating levels of perfluorinated compounds and left ventricular geometry.	2015
2180	Circumpolar contamination in eggs of the high-arctic ivory gull <i>Pagophila eburnea</i> .	2015
2181	Co(III) complexes of tetradentate X <sub>3</sub> L type ligands: Synthesis, electronic structure, and reactivity.	2015
2182	Comparing humic substance and protein compound effects on the bioaccumulation of perfluoroalkyl substances by <i>Daphnia magna</i> in water	2015
2183	Comparison of epoxy- and cyclocarbonate-functionalised vinyl ethers in radical copolymerisation with chlorotrifluoroethylene.	2015
2184	Comparison of waterborne and in ovo nanoinjection exposures to assess effects of PFOS on zebrafish embryos	2015
2185	Complete activation is involved in the hepatic injury caused by high-dose exposure of mice to perfluorooctanoic acid	2015
2186	Compositional Effects on Leaching of Stain-Guarded (Perfluoroalkyl and Polyfluoroalkyl Substance-Treated) Carpet in Landfill Leachate	2015
2187	Concentration and correlations of perfluoroalkyl substances in whole blood among subjects from three different geographical areas in Korea	2015
2188	Concentrations of environmental phenols and parabens in milk, urine and serum of lactating North Carolina women.	2015
2189	Controlling electrodeposited conducting polymer nanostructures with the number and the length of fluorinated chains for adjusting superhydrophobic properties and adhesion	2015
2190	Copper-Mediated Formation of Aryl, Heteroaryl, Vinyl and Alkynyl Difluoromethylphosphonates: A General Approach to Fluorinated Phosphate Mimics.	2015
2191	Current exposure of Italian women of reproductive age to PFOS and PFOA: A human biomonitoring study	2015
2192	CDF Activation in Perfluorinated Arenes with Isonitriles under UV-Light Irradiation.	2015
2193	Decomposition of Perfluorinated Compounds in Water by DC Plasma within Oxygen Bubbles	2015
2194	Dehydrogenation of cycloalkanes at rhodium complexes bearing fluorinated cyclopentadienyl ligands	2015
2195	Delivery of unprecedented amounts of perfluoroalkyl substances towards the deep-sea	2015
2196	Demographic, behavioral, dietary, and socioeconomic characteristics related to persistent organic pollutants and mercury levels in pregnant women in Japan	2015
2197	Determination of 20 Perfluorinated Compounds in Animal Liver by HPLC-MS/MS	2015
2198	Determination of fluorotelomer alcohols in selected consumer products and preliminary investigation of their fate in the indoor environment	2015
2199	Determination of hormones, a plasticizer, preservatives, per-fluoroalkylated compounds, and a flame retardant in water samples by ultrasound-assisted dispersive liquid-liquid microextraction based on the solidification of a floating organic drop	2015
2200	Determination of perfluoroalkylated substances (PFASs) in drinking water from the Netherlands and Greece	2015
2201	Determination of Selected Perfluorinated Acids (PFCAs) and Perfluorinated Sulfonates (PFASs) in Food Contact Materials Using LC-MS/MS	2015
2202	Developing intermolecular-potential models for use with the SAFT-VR Mie equation of state.	2015
2203	Development of the "PERFECT" direct fluorination method and its industrial applications	2015
2204	Developmental neurotoxicity of persistent organic pollutants: an update on childhood outcome.	2015
2205	Dielectric Barrier Discharge Ionization of Perfluorinated Compounds	2015
2206	Differential Accumulation and Elimination Behavior of Perfluoroalkyl Acid Isomers in Occupational Workers in a Manufactory in China	2015
2207	Direct Catalytic Asymmetric Mannich-Type Reaction of $\alpha$ - and $\beta$ -Fluorinated Amides.	2015
2208	Direct Vicinal Difunctionalization of Alkynes: An Efficient Approach Towards the Synthesis of Highly Functionalized Fluorinated Alkenes.	2015
2209	Discovery of C-5-C-17 Poly- and Perfluoroalkyl Substances in Water by In-Line SPE-HPLC-Orbitrap with In-Source Fragmentation Flagging	2015
2210	Disruption of host antiviral resistances by gammaherpesvirus tegument proteins with homology to the FGARAT purine biosynthesis enzyme	2015
2211	Distribution, source characterization and inventory of perfluoroalkyl substances in Taihu Lake, China	2015
2212	Effect of co-existing organic compounds on adsorption of perfluorinated compounds onto carbon nanotubes.	2015
2213	Effect of humic acid on the sorption of perfluorooctane sulfonate (PFOS) and perfluorobutane sulfonate (PFBS) on boehmite	2015
2214	Effect of PFOA/PFOS pre-exposure on the toxicity of the herbicides 2,4-D, Atrazine, Diuron and Paraquat to a model aquatic photosynthetic microorganism	2015
2215	Effectiveness and Mechanisms of Defluorination of Perfluorinated Alkyl Substances by Calcium Compounds during Waste Thermal Treatment.	2015
2216	Efficient one-pot synthesis of 5-perfluoroalkylpyrazoles by cyclization of hydrazone dianions	2015

2217	Efficient Palladium-Catalyzed C-H Fluorination of C(sp <sup>3</sup> )-H Bonds: Synthesis of $\beta$ -Fluorinated Carboxylic Acids.	2015
2218	Efficient Sorption and Removal of Perfluoroalkyl Acids (PFAAs) from Aqueous Solution by Metal Hydroxides Generated in Situ by Electrocoagulation	2015
2219	Electrochemical degradation of perfluorooctanoic acid (PFOA) by Yb-doped Ti/SnO <sub>2</sub> Sb/PbO <sub>2</sub> anodes and determination of the optimal conditions	2015
2220	Electrochemical treatment of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) in groundwater impacted by aqueous film forming foams (AFFFs)	2015
2221	Electro-oxidation of perfluorooctanoic acid by carbon nanotube sponge anode and the mechanism	2015
2222	Elevated levels of perfluoroalkyl acids in family members of occupationally exposed workers: the importance of dust transfer	2015
2223	Elevated levels of perfluoroalkyl substances in estuarine sediments of Charleston, SC	2015
2224	Enantioselective NHC-Catalyzed Redox [2+2] Cycloadditions with Perfluoroketones: A Route to Fluorinated Oxetanes.	2015
2225	Environmental chemicals and DNA methylation in adults: a systematic review of the epidemiologic evidence	2015
2226	Epoxidation of the Commercially Relevant Divinylbenzenewith [tetrakis-(Pentafluorophenyl)porphyrinato]iron(III)Chloride and Its Derivatives.	2015
2227	Estimating dry deposition and gas/particle partition coefficients of neutral poly/perfluoroalkyl substances in northern German coast	2015
2228	Estimating human exposure to PFOS isomers and PFCA homologues: The relative importance of direct and indirect (precursor) exposure	2015
2229	Estimation of the total concentration of perfluoroalkyl acids (PFAA) in human serum: Data from NHANES 2005-2012	2015
2230	Evaluating the impact of a fluoropolymer plant on a river macrobenthic community by a combined chemical, ecological and genetic approach	2015
2231	Evaluation of single and joint toxicity of perfluorooctane sulfonate, perfluorooctanoic acid, and copper to <i>Carassius auratus</i> using oxidative stress biomarkers	2015
2232	Exploring Fluorous Affinity by Liquid Chromatography	2015
2233	Exploring the fate, transport and risk of Perfluorooctane Sulfonate (PFOS) in a coastal region of China using a multimedia model	2015
2234	Exploring the possibilities of capacitively coupled contactless conductivity detection in combination with liquid chromatography for the analysis of polar compounds using aminoglycosides as test case	2015
2235	Exploring the Use of Molecular Docking to Identify Bioaccumulative Perfluorinated Alkyl Acids (PFAAs)	2015
2236	Exposure to perfluorinated compounds: in vitro study on thyroid cells.	2015
2237	Extraction of perfluorinated alkyl acids from human serum for determination of the combined xenoestrogenic transactivity: A method development	2015
2238	Fabrication of novel poly(m-phenylene isophthalamide) hollow fiber nanofiltration membrane for effective removal of trace amount perfluorooctane sulfonate from water	2015
2239	Facile and robust dual interaction modification of hexadecyldimethyl amine magnetic nanoparticles for the ultrasensitive analysis of perfluorinated compounds in environmental water	2015
2240	Facile preparation in two steps of highly hydrophobic coatings on polypropylene surface.	2015
2241	Facile synthesis of both perfluoroalkyl and phosphonate groups substituted trans-1,5-benzodiazepine and its derivatives via a one-pot catalyst-free process.	2015
2242	Flow Synthesis of Fluorinated $\alpha$ -Amino Acids	2015
2243	Fluorinated Alcohols as Activators for the Solvent-Free Chemical Fixation of Carbon Dioxide into Epoxides.	2015
2244	Fluorinated chemicals need stricter control.	2015
2245	Fluorinated microgel star polymers as fluorous nanocapsules for the encapsulation and release of perfluorinated compounds	2015
2246	Food intake and serum persistent organic pollutants in the Greenlandic pregnant women: The ACCEPT sub-study	2015
2247	Formation of graphene aqueous suspensions using fluorinated surfactant-assisted ultrasonication of pristine graphite	2015
2248	gamma-Silyboronates in the chiral Bronsted acid-catalysed allylboration of aldehydes	2015
2249	Gold-Catalyzed Allene Cycloisomerization for Pyrrole Synthesis: Towards Highly Fluorinated BODIPY Dyes.	2015
2250	Hazard quotient profiles used as a risk assessment tool for PFOS and PFOA serum levels in three distinctive European populations	2015
2251	High Levels of Perfluorooctane Sulfonate in Children at the Onset of Diabetes	2015
2252	Highly Efficient 'On Water' Catalyst-Free Nucleophilic Addition Reactions Using Difluoroenoxy silanes: Dramatic Fluorine Effects.	2015
2253	Highly fluorinated poly(1,3,4-oxadiazole-ether)s: structural, optical and dielectric characteristics	2015
2254	Highly Fluorinated Tris(indazolyl)borate Silylamido Complexes of the Heavier Alkaline Earth Metals: Synthesis, Characterization, and Efficient Catalytic Intramolecular Hydroamination.	2015
2255	Highly luminescent pure-red-emitting fluorinated $\beta$ -diketonate europium(III) complex for full solution-processed OLEDs.	2015
2256	Highly tunable fluorinated trispyrazolylborates [HB(3-CF <sub>3</sub> -5-[4-RPh]pz) <sub>3</sub> ]- (R = NO <sub>2</sub> , CF <sub>3</sub> , Cl, F, H, OMe and NMe <sub>2</sub> ) and their copper(I) complexes.	2015
2257	Human serum levels of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in Uyghurs from Sinkiang-Uighur Autonomous Region, China: background levels study	2015
2258	Identification of chemical modulators of the constitutive activated receptor (CAR) in a gene expression compendium.	2015
2259	Identification of Modulators of the Nuclear Receptor Peroxisome Proliferator-Activated Receptor $\alpha$ (PPAR $\alpha$ ) in a Mouse Liver Gene Expression Compendium.	2015
2260	In vitro evaluation of the cytotoxicity and modulation of mechanisms associated with inflammation induced by perfluorooctanesulfonate and perfluorooctanoic acid in human colon myofibroblasts CCD-18Co.	2015
2261	In vitro synergistic effect of fluoroquinolone analogues in combination with artemisinin against <i>Plasmodium falciparum</i> ; their antiplasmodial action in rodent malaria model.	2015
2262	Influence of Backbone Fluorination in Regioregular Poly(3-alkyl-4-fluoro)thiophenes.	2015
2263	Influence of cations on the partition behavior of perfluoroheptanoate (PFHpA) and perfluorohexanesulfonate (PFHxS) on wastewater sludge	2015
2264	Inhibition effect of Na <sup>+</sup> and Ca <sup>2+</sup> on the bioaccumulation of perfluoroalkyl substances by <i>Daphnia magna</i> in the presence of protein.	2015
2265	Interaction of Phase Transformations and Plasticity at the Nanoscale: Phase Field Approach	2015
2266	Interfacial chemical oxidative synthesis of multifunctional polyfluoranthene	2015
2267	Interspecific and Spatial Comparisons of Perfluorinated Compounds in Bighead and Silver Carp in the Illinois River, Illinois, USA	2015
2268	Invertebrate community responses to emerging water pollutants in Iberian river basins	2015
2269	Inverted Surface Dipoles in Fluorinated Self-Assembled Monolayers.	2015
2270	Investigation on the distribution and fate of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in a sewage-impacted bay	2015
2271	Isomeric specific partitioning behaviors of perfluoroalkyl substances in water dissolved phase, suspended particulate matters and sediments in Liao River Basin and Taihu Lake, China	2015
2272	Levels and spatial distribution of perfluoroalkyl substances in China Liaodong Bay basin with concentrated fluorine industry parks.	2015
2273	Levels of perfluorinated compounds in human breast milk in Jordan: the impact of sociodemographic characteristics	2015
2274	Levels of perfluorinated compounds in raw and cooked Mediterranean finfish and shellfish	2015
2275	Long-chain perfluoroalkyl carboxylic acids in Pacific cods from coastal areas in northern Japan: A major source of human dietary exposure	2015
2276	Maternal and paternal serum concentrations of perfluoroalkyl and polyfluoroalkyl substances and the secondary sex ratio	2015
2277	Method development for the determination of PFOA and PFOS in honey based on the dispersive Solid Phase Extraction (d-SPE) with micro-UHPLC-MS/MS system	2015
2278	Microbial transformation of 8:2 fluorotelomer acrylate and methacrylate in aerobic soils	2015
2279	Mini review on blood-brain barrier penetration of pyridinium aldoximes	2015
2280	Molecular dynamics simulations of structural transformation of perfluorooctane sulfonate (PFOS) at water/rutile interfaces.	2015
2281	Naltrindole derivatives with fluorinated ethyl substituents on the 17-nitrogen as delta opioid receptor inverse agonists	2015
2282	Nanodisplacement Measurements of Piezoelectric Flexensional Actuators Using a New Interferometry Homodyne Method.	2015
2283	Nano-Sized Cyclodextrin-Based Molecularly Imprinted Polymer Adsorbents for Perfluorinated Compounds-A Mini-Review.	2015
2284	Nanostructured superhydrophobic films synthesized by electrodeposition of fluorinated polyindoles	2015
2285	Neutral Poly/Per-Fluoroalkyl Substances in Air from the Atlantic to the Southern Ocean and in Antarctic Snow	2015
2286	New approach for assessing human perfluoroalkyl exposure via hair	2015
2287	N-heterocyclic carbene-catalyzed pentafluorophenylation of aldehydes	2015
2288	Nickel-Catalyzed Alkyl-Alkyl Cross-Couplings of Fluorinated Secondary Electrophiles: A General Approach to the Synthesis of Compounds having a Perfluoroalkyl Substituent.	2015
2289	Occurrence and assessment of perfluorinated compounds in fish from the Danjiangkou reservoir and Hanjiang river in China.	2015
2290	Occurrence and distribution of conventional and new classes of per- and polyfluoroalkyl substances (PFASs) in the South China Sea	2015
2291	Occurrence and fate of perfluorinated acids in two wastewater treatment plants in Shanghai, China.	2015
2292	Occurrence and point source characterization of perfluoroalkyl acids in sewage sludge	2015
2293	Occurrence and sources of perfluoroalkyl acids in Italian river basins	2015
2294	Occurrence and transport of synthetic musks in paired maternal blood, umbilical cord blood, and breast milk	2015
2295	Occurrence and trends in concentrations of perfluoroalkyl substances (PFASs) in surface waters of eastern China	2015
2296	Occurrence of legacy and emerging halogenated organic contaminants in marine shellfish along French coasts.	2015
2297	Occurrence of perfluorinated alkyl substances in sediment from estuarine and coastal areas of the East China Sea.	2015
2298	Occurrence of perfluorooctanesulfonate and perfluorooctanoic acid and histopathology in eels from north Italian waters	2015
2299	Occurrence of pharmaceuticals, hormones, and perfluorinated compounds in groundwater in Taiwan	2015

2300	Overview of Emerging Contaminants and Associated Human Health Effects	2015
2301	Overview of POPs and heavy metals in Liao River Basin	2015
2302	Paired-ion electrospray ionization - triple quadrupole tandem mass spectrometry for quantification of anionic surfactants in waters	2015
2303	Palladium-Catalyzed Site-Selective Fluorination of Unactivated C(sp <sup>3</sup> )-H Bonds.	2015
2304	Palladium-Catalyzed Site-Selective Fluorination of Unactivated C(sp <sup>3</sup> )-H Bonds.	2015
2305	Particle-size distribution of airborne poly- and perfluorinated alkyl substances	2015
2306	Pd-catalyzed asymmetric hydrogenation of fluorinated aromatic pyrazol-5-ols via capture of active tautomers	2015
2307	Pd-Catalyzed Regioselective Activation of gem-Difluorinated Cyclopropanes: A Highly Efficient Approach to 2-Fluorinated Allylic Scaffolds	2015
2308	Pd-Catalyzed Regioselective Activation of gem-Difluorinated Cyclopropanes: A Highly Efficient Approach to 2-Fluorinated Allylic Scaffolds.	2015
2309	Perfluorinated alkyl substances (PFAS) in terrestrial environments in Greenland and Faroe Islands	2015
2310	Perfluorinated and Polyfluorinated Compounds in Lake Food Webs from the Canadian High Arctic	2015
2311	Perfluorinated sulfonate and carboxylate compounds and precursors in herring gull eggs from across the Laurentian Great Lakes of North America: Temporal and recent spatial comparisons and exposure implications	2015
2312	Perfluoroalkyl acids (PFAAs) with isomer analysis in the commercial PFOS and PFOA products in China	2015
2313	Perfluoroalkyl acids in municipal landfill leachates from China: Occurrence, fate during leachate treatment and potential impact on groundwater	2015
2314	Perfluoroalkyl and polyfluoroalkyl substances and human fetal growth: a systematic review.	2015
2315	Perfluoroalkyl and polyfluoroalkyl substances in consumer products.	2015
2316	Perfluoroalkyl and polyfluoroalkyl substances in entire clutches of Audouin's gulls from the ebro delta	2015
2317	Perfluoroalkyl substance concentrations in a terrestrial raptor: relationships to environmental conditions and individual traits.	2015
2318	Perfluoroalkyl substances (PFAS) including structural PFOS isomers in plasma from elderly men and women from Sweden: Results from the Prospective Investigation of the Vasculature in Uppsala Seniors (PIVUS)	2015
2319	Perfluoroalkyl substances and ovarian hormone concentrations in naturally cycling women	2015
2320	Perfluoroalkyl substances and thyroid function in older adults	2015
2321	Perfluoroalkyl substances detected in the world's southernmost marine mammal, the Weddell seal ( <i>Leptonychotes weddellii</i> )	2015
2322	Perfluoroalkyl substances in a firefighting training ground (FTG), distribution and potential future release.	2015
2323	Perfluoroalkyl Substances in Daling River Adjacent to Fluorine Industrial Parks: Implication from Industrial Emission	2015
2324	Perfluoroalkyl substances in the Daling River with concentrated fluorine industries in China: seasonal variation, mass flow, and risk assessment.	2015
2325	Perfluoroalkyl substances measured in breast milk and child neuropsychological development in a Norwegian birth cohort study	2015
2326	Perfluoroalkyl sulfonates and carboxylic acids in liver, muscle and adipose tissues of black-footed albatross ( <i>Phoebastria nigripes</i> ) from Midway Island, North Pacific Ocean	2015
2327	Perfluoroalkylated substances (PFAS) affect oxidative stress biomarkers in vitro	2015
2328	Perfluorooctanoic acid disturbed the metabolism of lipid in the liver of streptozotocin-induced diabetic rats.	2015
2329	Perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in soils and groundwater of a US metropolitan area: Migration and implications for human exposure	2015
2330	Perfluorooctane sulfonate induces apoptosis of hippocampal neurons in rat offspring associated with calcium overload	2015
2331	Perfluorooctane sulfonate mediates microglial activation and secretion of TNF- $\alpha$ through Ca <sup>2+</sup> -dependent PKC-NF- $\kappa$ B signaling	2015
2332	Perfluorooctane sulfonate: A review of human exposure, biomonitoring and the environmental forensics utility of its chirality and isomer distribution	2015
2333	Perfluorooctanoic Acid (PFOA)-induced Liver Lesions in Two Strains of Mice Following Developmental Exposures: PPAR Is Not Required	2015
2334	Persistent organic pollutants and obesity: are they potential mechanisms for breast cancer promotion?	2015
2335	PFAS concentrations in plasma samples from Danish school children and their mothers	2015
2336	PFOS and PFOA in paired urine and blood from general adults and pregnant women: assessment of urinary elimination.	2015
2337	Phthalates, perfluoroalkyl acids, metals and organochlorines and reproductive function: a multipollutant assessment in Greenlandic, Polish and Ukrainian men	2015
2338	Physical and Biological Release of Poly- and Perfluoroalkyl Substances (PFAS) from Municipal Solid Waste in Anaerobic Model Landfill Reactors.	2015
2339	Polyfluorinated substances in abiotic standard reference materials	2015
2340	Prenatal exposure to environmental chemical contaminants and asthma and eczema in school-age children	2015
2341	Prenatal exposure to perfluoroalkyl substances and children's IQ: The Taiwan maternal and infant cohort study.	2015
2342	Preparation of amphiphobic coating by combining fluoroalkyl silane with nano-SiO <sub>2</sub>	2015
2343	Preparation of fluorine functionalized magnetic nanoparticles for fast extraction and analysis of perfluorinated compounds from traditional Chinese medicine samples	2015
2344	QSAR models for bioconcentration: Is the increase in the complexity justified by more accurate predictions?	2015
2345	Quantitative analysis of poly- and perfluoroalkyl compounds in water matrices using high resolution mass spectrometry: Optimization for a laser diode thermal desorption method	2015
2346	Quantitative profiling of perfluoroalkyl substances by ultrahigh-performance liquid chromatography and hybrid quadrupole time-of-flight mass spectrometry	2015
2347	QuEChERS Combined with Online Interference Trapping LC-MS/MS Method for the Simultaneous Determination of 20 Polyfluoroalkane Substances in Dietary Milk	2015
2348	Rapid fluorometric determination of perfluorooctanoic acid by its quenching effect on the fluorescence of quantum dots	2015
2349	Reduction of progesterone, estradiol and hCG secretion by perfluorooctane sulfonate via induction of apoptosis in human placental syncytiotrophoblasts	2015
2350	Reliability of perfluoroalkyl substances in plasma of 100 women in two consecutive pregnancies	2015
2351	Removal of perfluorinated compounds in wastewater treatment plant effluents by electrochemical oxidation.	2015
2352	Reporter cell lines to evaluate the selectivity of chemicals for human and zebrafish estrogen and peroxisome proliferator activated gamma receptors	2015
2353	Review on the occurrence, fate and removal of perfluorinated compounds during wastewater treatment.	2015
2354	Rhodium-Catalyzed Cyclopropanation of Fluorinated Olefins: A Straightforward Route to Highly Functionalized Fluorocyclopropanes	2015
2355	Screening of French groundwater for regulated and emerging contaminants	2015
2356	Seasonal variations and spatial distributions of perfluoroalkyl substances in the rivers Elbe and lower Weser and the North Sea	2015
2357	Selected physicochemical aspects of poly- and perfluoroalkylated substances relevant to performance, environment and sustainability-Part one	2015
2358	Serum and adipose tissue as matrices for assessment of exposure to persistent organic pollutants in breast cancer patients	2015
2359	Serum perfluoroalkyl acids and time to pregnancy in nulliparous women	2015
2360	Stable Electrophilic Reagents for Trifluoromethylthiolation	2015
2361	Simultaneous determination of perfluorinated compounds and their potential precursors in mussel tissue and fish muscle tissue and liver samples by liquid chromatography-electrospray-tandem mass spectrometry.	2015
2362	Sociodemographic and Perinatal Predictors of Early Pregnancy Per- and Polyfluoroalkyl Substance (PFAS) Concentrations	2015
2363	Sorption and biodegradation of selected benzotriazoles and hydroxybenzothiazole in activated sludge and estimation of their fate during wastewater treatment	2015
2364	Sorption behaviour of perfluoroalkyl substances in soils	2015
2365	Sorption of per- and polyfluoroalkyl substances (PFASs) on filter media: implications for phase partitioning studies.	2015
2366	Spatial distribution and fate of perfluoroalkyl substances in sediments from the Pearl River Estuary, South China	2015
2367	Spatial distribution and historical deposition behaviors of perfluoroalkyl substances (PFASs) in sediments of Lake Chaohu, a shallow eutrophic lake in Eastern China.	2015
2368	Spatial distribution and partition of perfluoroalkyl acids (PFAAs) in rivers of the Pearl River Delta, southern China	2015
2369	Spatial distribution and partitioning behavior of selected poly- and perfluoroalkyl substances in freshwater ecosystems: A French nationwide survey	2015
2370	Spatial distribution of perfluoroalkyl acids in surface sediments of the German Bight, North Sea	2015
2371	Spatial Distribution of Perfluoroalkyl Substances in Surface Sediments of Five Major Rivers in China	2015
2372	Stockholm Arlanda Airport as a source of per- and polyfluoroalkyl substances to water, sediment and fish	2015
2373	Strategic Modulation of the Photonic Properties of Conjugated Organometallic Pt-Ir Polymers Exhibiting Hybrid CT-Excited States	2015
2374	Strategies for synthesizing non-bioaccumulable alternatives to PFOA and PFOS	2015
2375	Strategies for Synthesizing Non-bioaccumulable Alternatives to PFOA and PFOS.	2015
2376	Structure-activity relations in binding of perfluoroalkyl compounds to human thyroid hormone T <sub>3</sub> receptor	2015
2377	Switchable and reversible superhydrophobic and oleophobic surfaces by redox response using covalent S-S bond.	2015
2378	Synthesis and characterization of organic fluorine and nano-SiO <sub>2</sub> modified polyacrylate emulsifier-free latex.	2015
2379	Synthesis and in Silico Evaluation of Novel Compounds for PET-Based Investigations of the Norepinephrine Transporter	2015
2380	Synthesis and photoluminescent behavior of Eu(III) complexes with 4,4-trifluoro-1-(6-methoxy-naphthalen-2-yl)-butane-1,3-dione	2015
2381	Synthesis of Enantiopure trans-2,5-Disubstituted Trifluoromethylpyrrolidines and (2S,5R)-5-Trifluoromethylproline	2015
2382	Synthesis of Fluorinated 1,4,5-Substituted 1,2,3-Triazoles by RuAAC Reaction.	2015

2383	Synthesis of Highly Substituted Quinolines via Heterocyclization of Fluorinated Acetylenephosphonates with ortho-Aminoaryl Ketones.	2015
2384	Synthesis of novel fluorinated bis(biphenyl)diacetylene derivatives as highly birefringent nematic liquid crystalline materials.	2015
2385	Synthesis, chemical reactivity and electrochemical behaviour of mono- and difluoro metallocenes	2015
2386	Synthesis, emulsification and self-assembly properties of sugar-containing semifluorinated amphiphiles.	2015
2387	Synthetic cannabinoids pharmacokinetics and detection methods in biological matrices	2015
2388	Systematic investigation of the toxic mechanism of PFOA and PFOS on bovine serum albumin by spectroscopic and molecular modeling	2015
2389	Temporal changes (1997-2012) of perfluoroalkyl acids and selected precursors (including isomers) in Swedish human serum	2015
2390	Temporal trends of perfluoroalkyl substances (PFAS) in eggs of coastal and offshore birds: Increasing PFAS levels associated with offshore bird species breeding on the Pacific coast of Canada and wintering near Asia.	2015
2391	Temporal trends of perfluorooctanesulfonate isomer and enantiomer patterns in archived Swedish and American serum samples	2015
2392	The Madrid Statement on Poly- and Perfluoroalkyl Substances (PFASs)	2015
2393	The partition behavior of perfluorooctanesulfonate (PFOS) and perfluorooctanesulfonamide (FOSA) on microplastics	2015
2394	The use of monitoring data in EU chemicals management-experiences and considerations from the German environmental specimen bank.	2015
2395	Tissue specific uptake and elimination of perfluoroalkyl acids (PFAAs) in adult rainbow trout ( <i>Oncorhynchus mykiss</i> ) after dietary exposure	2015
2396	Toxicity and DNA methylation changes induced by perfluorooctane sulfonate (PFOS) in sea urchin <i>Glyptodidaris crenularis</i>	2015
2397	Toxicity of perfluorononanoic acid and perfluorooctane sulfonate to <i>Daphnia magna</i>	2015
2398	Toxicity of surface water from Huangpu River to luminous bacteria ( <i>Vibrio qinghaiensis</i> SP Q67) and zebrafish ( <i>Danio rerio</i> ) embryos	2015
2399	Transcriptional and physiological response of fathead minnows ( <i>Pimephales promelas</i> ) exposed to urban waters entering into wildlife protected areas	2015
2400	Transfer of perfluoroalkyl substances from mother to fetus in a Spanish birth cohort	2015
2401	Transparent Aromatic Polyimides Derived from Thiophenyl-Substituted Benzidines with High Refractive Index and Small Birefringence.	2015
2402	Transport of short-chain perfluoroalkyl acids from concentrated fluoropolymer facilities to the Daling River estuary, China	2015
2403	Ultrafast separation of fluorinated and defluorinated pharmaceuticals using highly efficient and selective chiral selectors bonded to superficially porous particles.	2015
2404	Undecorated Cu(OAc) <sub>2</sub> -Catalyzed C(sp <sup>3</sup> )-C(sp <sup>3</sup> ) Bond Formation through para-Hydroxy Group Triggered Remote Benzylic C(sp <sup>3</sup> )-H Bond Functionalization	2015
2405	Understanding the Adsorption of PFOA on MIL-101(Cr)-Based Anionic-Exchange Metal-Organic Frameworks: Comparing DFT Calculations with Aqueous Sorption Experiments	2015
2406	Urinary arsenic, heavy metals, phthalates, pesticides, polyaromatic hydrocarbons but not parabens, polyfluorinated compounds are associated with self-rated health: USA NHANES, 2011-2012.	2015
2407	Urinary heavy metals, phthalates, perchlorate, nitrate, thiocyanate, hydrocarbons, and polyfluorinated compounds are associated with adult hearing disturbance: USA NHANES, 2011-2012.	2015
2408	Urinary heavy metals, phthalates, phenols, thiocyanate, parabens, pesticides, polyaromatic hydrocarbons but not arsenic or polyfluorinated compounds are associated with adult oral health: USA NHANES, 2011-2012	2015
2409	Validation of an ultra high performance liquid chromatography-tandem mass spectrometry method for detection and quantitation of 19 endocrine disruptors in milk	2015
2410	What do We Know about the Risk Arising from Perfluorinated Compounds	2015
2411	What is the effect of phasing out long-chain per- and polyfluoroalkyl substances on the concentrations of perfluoroalkyl acids and their precursors in the environment? A systematic review protocol.	2015
2412	Which coastal and marine environmental contaminants are truly emerging?	2015
2413	World-Wide Indoor Exposure to Polyfluoroalkyl Phosphate Esters (PAPs) and other PFASs in Household Dust.	2015
2414	(993) - A Coding Polymorphism in PFAS (The Gene Encoding Phosphoribosylformylglycinamide Synthase) Is a Determinant of Prostacyclin Dose.	2016
2415	8-Hydroxy-2'-deoxyguanosine as a biomarker of oxidative DNA damage induced by perfluorinated compounds in TK6 cells.	2016
2416	A Combination of Metal and Organic Catalysis: Highly Diastereo- and Enantio-selective Construction of Fluorinated 2-Aminocyclopent[b]pyran Derivatives.	2016
2417	A fast and sensitive method for the simultaneous analysis of a wide range of per- and polyfluoroalkyl substances in indoor dust using on-line solid phase extraction-ultrahigh performance liquid chromatography-time-of-flight-mass spectrometry.	2016
2418	A fast method for analysing six perfluoroalkyl substances in human serum by solid-phase extraction on-line coupled to liquid chromatography tandem mass spectrometry.	2016
2419	A Highly Efficient Red-Emitting Ruthenium Complex with 3,5-Difluorophenyl Substituents.	2016
2420	A highly stable and versatile heterobifunctional fluoroalkylation reagent for preparation of fluorinated organic compounds	2016
2421	A Highly Stable and Versatile Heterobifunctional Fluoroalkylation Reagent for Preparation of Fluorinated Organic Compounds.	2016
2422	A Major Advance in the Synthesis of Fluoroalkyl Pyrazoles: Tuneable Regioselectivity and Broad Substitution Patterns.	2016
2423	A New Fluorinated Surfactant Contaminant in Biota: Perfluorobutane Sulfonamide in Several Fish Species.	2016
2424	A novel dual-functioning ruthenium(II)-arene complex of an anti-microbial ciprofloxacin derivative — Anti-proliferative and anti-microbial activity.	2016
2425	A review of contamination of surface-, ground-, and drinking water in Sweden by perfluoroalkyl and polyfluoroalkyl substances (PFASs).	2016
2426	A Simple Pharmacokinetic Model of Prenatal and Postnatal Exposure to Perfluoroalkyl Substances (PFASs).	2016
2427	Activation of the estrogen receptor by human serum extracts containing mixtures of perfluorinated alkyl acids from pregnant women.	2016
2428	ADONA and perfluoroalkylated substances in plasma samples of German blood donors living in South Germany	2016
2429	Alteration to Dopaminergic Synapses Following Exposure to Perfluorooctane Sulfonate (PFOS), in Vitro and in Vivo.	2016
2430	Analysis of 29 per- and polyfluorinated compounds in water, sediment, soil and sludge by liquid chromatography-tandem mass spectrometry	2016
2431	Annual dynamics of perfluorinated compounds in sediment: A case study in the Morava River in Zlín district, Czech Republic	2016
2432	Antibody response to booster vaccination with tetanus and diphtheria in adults exposed to perfluorinated alkylates.	2016
2433	Application of the extended LJ potential-based equation of state to predict the density of five different classes of refrigerant systems (HCFCs, HFCs, HFEs, PFAs, and PFAAs).	2016
2434	Assessing the risk associated with the presence of emerging organic contaminants in sludge-amended soil: A country-level analysis	2016
2435	Assessment of perfluorooctanoic acid and perfluorooctane sulfonate in surface water - Tamil Nadu, India.	2016
2436	Association between perfluorinated compound concentrations in cord serum and birth weight using multiple regression models.	2016
2437	Association between prenatal exposure to perfluorinated compounds and symptoms of infections at age 1–4 years among 359 children in the Odense Child Cohort	2016
2438	Association of perfluoroalkyl substances exposure in utero with reproductive hormone levels in cord blood in the Hokkaido Study on Environment and Children's Health	2016
2439	Association of Perfluoroalkyl Substances, Bone Mineral Density, and Osteoporosis in the U.S. Population in NHANES 2009-2010.	2016
2440	AWARENESS OF PERFLUORINATED ALIPHATIC COMPOUNDS (PFAS) IN THE YOUTH POPULATION OF SWIETOKRZYSKIE PROVINCE.	2016
2441	Bafilomycin analogue site-specifically fluorinated at the pharmacophore macrolactone ring has potent vacuolar-type ATPase inhibitory activity.	2016
2442	Bioaccumulation of emerging organic compounds (perfluoroalkyl substances and halogenated flame retardants) by earthworm in biosolid amended soils	2016
2443	Bioconcentration of perfluoroalkyl substances by <i>Chironomus plumosus</i> larvae in water with different types of dissolved organic matters.	2016
2444	Biosurfactant assisted synthesis of Fe <sub>3</sub> O <sub>4</sub> @rhamnolipid@BiOBr and its behaviour in plasma discharge system	2016
2445	Blends of Fluorinated Additives with Highly Selective Thin-Film Composite Membranes to Increase CO <sub>2</sub> /N <sub>2</sub> Gas Separation Applications.	2016
2446	Carboxymethyl chitosan modulates the genotoxic risk and oxidative stress of perfluorooctanoic acid in Nile tilapia ( <i>Oreochromis niloticus</i> ).	2016
2447	Cationic Chiral Fluorinated Oxazaborolidines. More Potent, Second-Generation Catalysts for Highly Enantioselective Cycloaddition Reactions.	2016
2448	Changes in serum levels of perfluoroalkyl substances during a 10-year follow-up period in a large population-based cohort	2016
2449	Characterization of differential pore-forming activities of ESAT-6 proteins from <i>Mycobacterium tuberculosis</i> and <i>Mycobacterium smegmatis</i> .	2016
2450	Chemisorption of Perfluorooctanoic Acid on Powdered Activated Carbon Initiated by Persulfate in Aqueous Solution.	2016
2451	Circulating levels of perfluoroalkyl substances are associated with dietary patterns – A cross sectional study in elderly Swedish men and women	2016
2452	Combined Effects of Prenatal Exposures to Environmental Chemicals on Birth Weight.	2016
2453	Combining passive sampling and tandem mass spectrometry for the determination of pharmaceuticals and other emerging pollutants in drinking water	2016
2454	Comparative Studies of Three Pairs of $\alpha$ - and $\gamma$ -Conjugated Folic Acid Derivatives Labeled with Fluorine-18.	2016
2455	Comparison of PFASs contamination in the freshwater and terrestrial environments by analysis of eggs from osprey ( <i>Pandion haliaetus</i> ), tawny owl ( <i>Strix aluco</i> ), and common kestrel ( <i>Falco tinnunculus</i> )	2016
2456	Complete Defluorination of Perfluorinated Compounds by Hydrated Electrons Generated from 3-Indole-acetic-acid in Organomodified Montmorillonite	2016
2457	Complexes of adamantane-based group 13 Lewis acids and superacids: Bonding analysis and thermodynamics of hydrogen splitting.	2016
2458	Comprehensive Emerging Chemical Discovery: Novel Polyfluorinated Compounds in Lake Michigan Trout.	2016
2459	Concentrations of organochlorine pesticides, polybrominated diphenyl ethers and perfluorinated compounds in the atmosphere of North Greenland	2016
2460	Contamination risk of raw drinking water caused by PFOA sources along a river reach in south-western Finland	2016
2461	Contribution of selected perfluoroalkyl and polyfluoroalkyl substances to the adsorbable organically bound fluorine in German rivers and in a highly contaminated groundwater	2016

2462	Cord blood gene expression supports that prenatal exposure to perfluoroalkyl substances causes depressed immune functionality in early childhood.	2016
2463	Cross-Sectional Associations of Serum Perfluoroalkyl Acids and Thyroid Hormones in U.S. Adults: Variation According to TPOAb and Iodine Status (NHANES 2007-2008).	2016
2464	Degradation of perfluorinated compounds in wastewater treatment plant effluents by electrochemical oxidation with Nano-ZnO coated electrodes	2016
2465	Determination of fluoroquinolone antibiotics via ionic-liquid-based, salt-induced, dual microextraction in swine feed.	2016
2466	Development of 6-[18F]fluoro-carbohydrate-based prosthetic groups and their conjugation to peptides via click chemistry.	2016
2467	Development of a superhydrophobic polyurethane-based coating from a two-step plasma-fluoroalkyl silane treatment.	2016
2468	Development of highly potent phosphodiesterase 10A (PDE10A) inhibitors: Synthesis and in vitro evaluation of 1,8-dipyridinyl- and 1-pyridinyl-substituted imidazo[1,5-a]quinoxalines	2016
2469	Digest paper: Recent advances on the synthesis of acylindoles	2016
2470	Distribution of perfluoroalkyl substances in water from industrialized bays, rivers and agricultural areas in Korea.	2016
2471	Ecotoxic pharmaceuticals, personal care products, and other emerging contaminants: A review of environmental, receptor-mediated, developmental, and epigenetic toxicity with discussion of proposed toxicity to humans.	2016
2472	Effect of PFOS on glucocorticoid-induced changes in human decidua stromal cells in the first trimester of pregnancy.	2016
2473	Effective electroluminescent materials for OLED applications based on lanthanide 1,3-diketones bearing pyrazole moiety.	2016
2474	Electrochemical decomposition of fluorinated wetting agents in plating industry waste water.	2016
2475	Electrochemical oxidation of perfluorinated compounds in water	2016
2476	Elevated levels of short carbon-chain PFCAs in breast milk among Korean women: Current status and potential challenges	2016
2477	Enantioselective aldol reactions with masked fluoracetates.	2016
2478	Endocrine-Disrupting Chemicals and Reproductive Health.	2016
2479	Environmental Chemicals in an Urban Population of Pregnant Women and Their Newborns from San Francisco.	2016
2480	Estrone sulfate and dehydroepiandrosterone sulfate: Transactivation of the estrogen and androgen receptor.	2016
2481	Exposure to perfluoroundecanoic acid (PFUnDA) accelerates insulin development in a mouse model of type 1 diabetes	2016
2482	Fabrication of V-shaped brushes consisting of two highly incompatible arms of PEG and fluorinated PMMA and their protein-resistance performance.	2016
2483	Factors Associated with Maternal Serum Levels of Perfluoroalkyl Substances and Organochlorines: A Descriptive Study of Parous Women in Norway and Sweden.	2016
2484	Factors influencing aqueous perfluorooctanoic acid (PFOA) photodecomposition by VUV irradiation in the presence of ferric ions.	2016
2485	Fast and simple determination of perfluorinated compounds and their potential precursors in different packaging materials	2016
2486	Fate and transport of perfluoro- and polyfluoroalkyl substances including perfluorooctane sulfonamides in a managed urban water body.	2016
2487	Fluorinated alkyl substances and technical mixtures used in food paper-packaging exhibit endocrine-related activity in vitro.	2016
2488	Full length article: Per- and polyfluoroalkyl substances (PFASs) – New endocrine disruptors in polar bears (Ursus maritimus)?	2016
2489	General and efficient synthesis of polyfluorinated 2-aminotolans and 2-arylindoles.	2016
2490	Glass fiber-supported TiO <sub>2</sub> photocatalyst: Efficient mineralization and removal of toxicity/estrogenicity of bisphenol A and its analogs.	2016
2491	Highly Fluorinated Ir(III)-2,2',6',2''-Terpyridine-Phenylpyridine-X Complexes via Selective C-F Activation: Robust Photocatalysts for Solar Fuel Generation and Photoredox Catalysis.	2016
2492	Highly Regioselective Radical Amination of Allenes: Direct Synthesis of Allenamides and Tetrasubstituted Alkenes.	2016
2493	Hypercholesterolemia with consumption of PFOA-laced Western diets is dependent on strain and sex of mice	2016
2494	Identification of Biomarkers of Exposure to FTOHs and PAPs in Humans Using a Targeted and Nontargeted Analysis Approach.	2016
2495	Identification, characterization, and human health risk assessment of perfluorinated compounds in groundwater from a suburb of Tianjin, China	2016
2496	Interaction of perfluoroalkyl acids with human liver fatty acid-binding protein.	2016
2497	Isomer-Specific Distribution of Perfluoroalkyl Substances in Blood.	2016
2498	Lactation history, serum concentrations of persistent organic pollutants, and maternal risk of diabetes.	2016
2499	Levels and distributions of organic pollutants in subtidal sediments from the Loire estuary: Are there any relationships with TTR-binding activity	2016
2500	Levels and trends of contaminants in humans of the Arctic.	2016
2501	Liquid chromatography mass spectrometry determination of perfluoroalkyl acids in environmental/solid extracts after phospholipid removal and on-line turbulent flow chromatography purification.	2016
2502	Long-term consequences of prenatal stress and neurotoxicants exposure on neurodevelopment	2016
2503	Low organotin contamination of harbour sediment in Svalbard.	2016
2504	Markers of anthropogenic contamination: A validated method for quantification of pharmaceuticals, illicit drug metabolites, perfluorinated compounds, and plasticisers in sewage treatment effluent and rain runoff	2016
2505	Maternal and Neonatal Levels of Perfluoroalkyl Substances in Relation to Gestational Weight Gain	2016
2506	Maternal serum concentrations of perfluoroalkyl acids in five international birth cohorts	2016
2507	Maternal serum perfluoroalkyl substances during pregnancy and duration of breastfeeding	2016
2508	Maxwell Wagner And Goldstone Mode Relaxations In A Oligomethylene Spacer Based Ferroelectric Liquid Crystal.	2016
2509	Method for analysis of 68 organic contaminants in food contact paper using gas and liquid chromatography coupled with tandem mass spectrometry	2016
2510	Mild and Copper-Free Stereoselective Cyanation of gem-Difluoroalkenes by Using Benzyl Nitrile as a Cyanating Reagent.	2016
2511	Modeling the pH-mediated extraction of ionizable organic contaminants to improve the quality of municipal sewage sludge destined for land application	2016
2512	Molecular impacts of perfluorinated chemicals (PFASs) in the liver and testis of male largemouth bass (Micropterus salmoides) in Minnesota Lakes.	2016
2513	Multiresidue analysis of endocrine-disrupting compounds and perfluorinated sulfates and carboxylic acids in sediments by ultra-high-performance liquid chromatography–tandem mass spectrometry.	2016
2514	Neutral polyfluoroalkyl substances in the atmosphere over the northern South China Sea	2016
2515	New Approaches to Measuring Sticky Molecules: Improvement of Instrumental Response Times Using Active Passivation.	2016
2516	Novel approach for predicting partition coefficients of linear perfluorinated compounds	2016
2517	Novel cis-selective and non-epimerisable C3 hydroxy azapodophyllotoxins targeting microtubules in cancer cells.	2016
2518	Number of Persistent Organic Pollutants Detected at High Concentrations in Blood Samples of the United States Population.	2016
2519	Obtaining SiO <sub>2</sub> -fluorinated PLA bionanocomposites with application as reversible and highly-hydrophobic coatings of buildings	2016
2520	Occurrence and distribution of perfluoroalkyl substances (PFASs) in surface water and bottom water of the Shuangtaizi Estuary, China	2016
2521	Occurrence investigation of perfluorinated compounds in surface water from East Lake (Wuhan, China) upon rapid and selective magnetic solid-phase extraction.	2016
2522	Occurrence of pharmaceuticals and perfluorinated compounds and evaluation of the availability of reclaimed water in Kinmen	2016
2523	Occurrence of select perfluoroalkyl substances at U.S. Air Force aqueous film-forming foam release sites other than fire-training areas: Field-validation of critical fate and transport properties	2016
2524	Optimization of allosteric MEK inhibitors. Part 2: Taming the sulfamide group balances compound distribution properties.	2016
2525	Organic Contaminants in Chinese Sewage Sludge: A Meta-Analysis of the Literature of the Past 30 Years.	2016
2526	Organohalogenated contaminants in white-tailed eagle (Haliaeetus albicilla) nestlings: An assessment of relationships to immunoglobulin levels, telomeres and oxidative stress	2016
2527	Parametric temporal compression of infrared imagery sequences containing a slow-moving point target.	2016
2528	Per- and polyfluoroalkyl substances in the Western Mediterranean Sea waters	2016
2529	Perfluorinated chemicals, PFOS and PFOA, enhance the estrogenic effects of 17β-estradiol in T47D human breast cancer cells.	2016
2530	Perfluorinated Compounds (PFCs) in Ambient Air Particulates (PM <sub>2.5</sub> , PM <sub>10</sub> , TSP) in Beijing.	2016
2531	Perfluorinated Compounds in Greenhouse and Open Agricultural Producing Areas of Three Provinces of China: Levels, Sources and Risk Assessment.	2016
2532	Perfluorinated compounds in soil, surface water, and groundwater from rural areas in eastern China.	2016
2533	Perfluoroalkyl and polyfluoroalkyl substances and indicators of immune function in children aged 12-19 y: National Health and Nutrition Examination Survey.	2016
2534	Perfluoroalkyl substance serum concentrations and immune response to FluMist vaccination among healthy adults.	2016
2535	Perfluoroalkyl substances (PFAS) in river and ground/drinking water of the Ganges River basin: Emissions and implications for human exposure	2016
2536	Perfluoroalkyl substances and beta cell deficient diabetes.	2016
2537	Perfluoroalkyl substances and endometriosis in US women in NHANES 2003–2006.	2016
2538	Perfluoroalkyl substances assessment in drinking waters from Brazil, France and Spain	2016
2539	Perfluoroalkyl substances in aquatic environment-comparison of fish and passive sampling approaches.	2016
2540	Perfluoroalkyl substances in older male anglers in Wisconsin	2016

2541	Perfluoroalkyl substances in the Ebro and Guadalquivir river basins (Spain)	2016
2542	Perfluoroalkyl Substances, Sex Hormones, and Insulin-like Growth Factor-1 at 6-9 Years of Age: A Cross-Sectional Analysis within the C8 Health Project.	2016
2543	Perfluoroalkylated Substance Effects in <i>Xenopus laevis</i> A6 Kidney Epithelial Cells Determined by ATR-FTIR Spectroscopy and Chemometric Analysis.	2016
2544	Perfluoroalkylated substances (PFASs) and legacy persistent organic pollutants (POPs) in halibut and shrimp from coastal areas in the far north of Norway: Small survey of important dietary foodstuffs for coastal communities.	2016
2545	Perfluoroalkylated substances in edible livers of farm animals, including depuration behaviour in young sheep fed with contaminated grass	2016
2546	Persistent organic pollutants in Baltic herring ( <i>Clupea harengus</i> )—an aspect of gender	2016
2547	Persistent organic pollutants in selected fishes of the Gulf of Finland	2016
2548	PFOS, PFNA, and PFOA sub-lethal exposure to embryonic zebrafish have different toxicity profiles in terms of morphometrics, behavior and gene expression.	2016
2549	Phosphonium betaines derived from hexafluoro-1,4-naphthoquinone: Synthesis and cytotoxic and antioxidant activities	2016
2550	Photochemical Perfluoroalkylation with Pyridine N-Oxides: Mechanistic Insights and Performance on a Kilogram Scale	2016
2551	Pine Needles for the Screening of Perfluorinated Alkylated Substances (PFASs) along Ski Tracks.	2016
2552	Poly- and perfluoroalkyl substances in wastewater: Significance of unknown precursors, manufacturing shifts, and likely AFFF impacts	2016
2553	Poly- and perfluoroalkylated substances (PFASs) in water, sediment and fish muscle tissue from Lake Tana, Ethiopia and implications for human exposure	2016
2554	Polycyclic aromatic hydrocarbons with a highly hydrophobic backbone and perfluorosulfonic acids for PEMFC.	2016
2555	Potential exposure routes and accumulation kinetics for poly- and perfluorinated alkyl compounds for a freshwater amphipod: <i>Gammarus</i> spp. (Crustacea)	2016
2556	Preliminary assessment on the bioaccessibility of contaminants of emerging concern in raw and cooked seafood	2016
2557	Preliminary investigation of perfluoroalkyl substances in exploited fishes of two contaminated estuaries.	2016
2558	Prenatal Exposure to Perfluoroalkyl Substances and Behavioral Development in Children.	2016
2559	Prenatal perfluoroalkyl substance exposure and child adiposity at 8 years of age: The HOME study.	2016
2560	Preparation of a functional silica membrane coated on Fe <sub>3</sub> O <sub>4</sub> nanoparticle for rapid and selective removal of perfluorinated compounds from surface water sample	2016
2561	Process simulation and economic analysis of reactor systems for perfluorinated compounds abatement without HF effluent.	2016
2562	Properties, performance and associated hazards of state-of-the-art durable water repellent (DWR) chemistry for textile finishing.	2016
2563	Quality survey of natural mineral water and spring water sold in France: Monitoring of hormones, pharmaceuticals, pesticides, perfluoroalkyl substances, phthalates, and alkylphenols at the ultra-trace level	2016
2564	Recent advances in oil-repellent surfaces.	2016
2565	Recent experimental results of effects of perfluoroalkyl substances in laboratory animals - Relation to current regulations and guidance values	2016
2566	Release of Per- and Polyfluoroalkyl Substances (PFASs) from Carpet and Clothing in Model Anaerobic Landfill Reactors.	2016
2567	Responding to Emerging Contaminant Impacts: Situational Management.	2016
2568	Ring-Opening Metathesis Polymerization of Cyclic Olefins by (Arylimido)vanadium(V)-Alkylidenes: Highly Active, Thermally Robust Cis Specific Polymerization.	2016
2569	Role of ingestion route in the perfluoroalkyl substance bioaccumulation by <i>Chironomus plumosus</i> larvae in sediments amended with carbonaceous materials	2016
2570	Screening of Toxic Chemicals in a Single Drop of Human Whole Blood Using Ordered Mesoporous Carbon as a Mass Spectrometry Probe.	2016
2571	Seasonal accumulation of persistent organic pollutants on a high altitude glacier in the Eastern Alps.	2016
2572	Serum Vaccine Antibody Concentrations in Adolescents Exposed to Perfluorinated Compounds.	2016
2573	Simple and fast determination of perfluorinated compounds in Taihu Lake by SPE-UHPLC-MS/MS.	2016
2574	Slug-flow microextraction coupled with paper spray mass spectrometry for rapid analysis of complex samples	2016
2575	Sorption of perfluoroalkyl substances to two types of minerals	2016
2576	Source apportionment of perfluoroalkyl substances in surface sediments from lakes in Jiangsu Province, China: Comparison of three receptor models	2016
2577	Sparingly fluorinated maltoside-based surfactants for membrane-protein stabilization.	2016
2578	Spatial and temporal trends in perfluoroalkyl substances (PFASs) in ringed seals ( <i>Pusa hispida</i> ) from Svalbard.	2016
2579	Stability and Hydrocarbon/Fluorocarbon Sorption of a Metal/Organic Framework with Fluorinated Channels	2016
2580	Straightforward and Highly Stereoselective Synthesis of 3,3,4-Trifluoropyrrolidines Involving 1,3-Dipolar Cycloaddition with 2,3,3-Trifluoroacrylate.	2016
2581	Substrate-dependent fluorinations of highly functionalized cycloalkanes.	2016
2582	Super-hydrophobic Co <sub>3</sub> O <sub>4</sub> -loaded nickel foam with corrosion-resistant property prepared by combination of hydrothermal synthesis and PFAS modification	2016
2583	Synthesis and characterization of fluorinated poly(azomethine ether)s from new core-fluorinated azomethine-containing monomers	2016
2584	Synthesis and photoluminescent properties of Eu (III) complexes with fluorinated $\beta$ -diketone and nitrogen heterocyclic ligands.	2016
2585	Synthesis of 5-(trifluoromethyl)cyclohexane-1,2,3-trione (cVTC): new trifluoromethyl building block.	2016
2586	Synthesis of Perfluoro-tert-butyl Tyrosine, for Application in 19F NMR, via a Diazonium-Coupling Reaction.	2016
2587	Synthesis of polycyclic spiroindolines by highly diastereoselective interrupted Ugi cascade reactions of 3-(2-isocyanophenyl)indoles.	2016
2588	Synthesis of protected enantiopure (R) and (S)- $\alpha$ -trifluoromethylalanine containing dipeptide building blocks ready to use for solid phase peptide synthesis.	2016
2589	Systematic determination of perfluoroalkyl and polyfluoroalkyl substances (PFASs) in outdoor jackets	2016
2590	Temporal monitoring of perfluorooctane sulfonate accumulation in aquatic biota downstream of historical aqueous film forming foam use areas.	2016
2591	Temporal trends for inflow of perfluorooctanesulfonate (PFOS) and perfluorooctanoate (PFOA) to Tokyo Bay, Japan, estimated by a receptor-oriented approach	2016
2592	Temporal trends of perfluoroalkyl substances in limed biosolids from a large municipal water resource recovery facility	2016
2593	The facile preparation of self-cleaning fabrics.	2016
2594	The Investigation of Perfluorinated Compounds in Surface Waters of the Xixi Wetland, Hangzhou, China.	2016
2595	The modifying effect of vitamin C on the association between perfluorinated compounds and insulin resistance in the Korean elderly: a double-blind, randomized, placebo-controlled crossover trial.	2016
2596	The Organocatalytic $\alpha$ -Fluorination of Chiral $\gamma$ -Nitroaldehydes: the Challenge of Facing the Construction of a Quaternary Fluorinated Stereocenter	2016
2597	The relationship between mercury and autism: A comprehensive review and discussion.	2016
2598	The toxic effect and bioaccumulation in aquatic oligochaete <i>Limnodrilus hoffmeisteri</i> after combined exposure to cadmium and perfluorooctane sulfonate at different pH values.	2016
2599	Thin Layers XRD Study Technique on an Example of Cobalt Tetrafluoro Phthalocyanine.	2016
2600	Thyroid endocrine status of wild European eels ( <i>Anguilla anguilla</i> ) in the Loire (France). Relationships with organic contaminant body burdens	2016
2601	Time trends of perfluorinated alkyl acids in serum from Danish pregnant women 2008–2013.	2016
2602	Toxic effects of perfluorinated compounds at human cellular level and on a model vertebrate	2016
2603	Toxicity of perfluorooctane sulfonate and perfluorooctanoic acid to <i>Escherichia coli</i> : Membrane disruption, oxidative stress, and DNA damage induced cell inactivation and/or death.	2016
2604	Trace determination of perfluorooctane sulfonate and perfluorooctanoic acid in environmental samples (surface water, wastewater, biota, sediments, and sewage sludge) using liquid chromatography–Orbitrap mass spectrometry.	2016
2605	Treatment of sites contaminated with perfluorinated compounds using biochar amendment	2016
2606	U.S. domestic cats as sentinels for perfluoroalkyl substances: Possible linkages with housing, obesity, and disease	2016
2607	Use of strong anion exchange resins for the removal of perfluoroalkylated substances from contaminated drinking water in batch and continuous pilot plants.	2016
2608	Validated method for the determination of perfluorinated compounds in placental tissue samples based on a simple extraction procedure followed by ultra-high performance liquid chromatography–tandem mass spectrometry analysis.	2016
2609	Variability of perfluoroalkyl substance concentrations in pregnant women by socio-demographic and dietary factors in a Spanish birth cohort.	2016
2610	Visible-light excitable highly luminescent molecular plastic materials derived from Eu <sup>3+</sup> -biphenyl based $\beta$ -diketone ternary complex and poly(methylmethacrylate)	2016
2611	Volatile Single-Source Precursors for the Low-Temperature Preparation of Sodium-Rare Earth Metal Fluorides.	2016
2612	A complete carbon counter electrode for high performance quasi solid state dye sensitized solar cell.	2017
2613	A highly fluorinated iridium complex as a blue-green emitting component for white electroluminescence	2017
2614	A Mixture of Persistent Organic Pollutants and Perfluorooctanesulfonic Acid Induces Similar Behavioural Responses, but Different Gene Expression Profiles in Zebrafish Larvae.	2017
2615	A nationwide survey of perfluorinated alkyl substances in waters, sediment and biota collected from aquatic environment in Vietnam: Distributions and bioconcentration profiles	2017
2616	A Waterborne Coating System for Preparing Robust, Self-healing, Superamphiphobic Surfaces.	2017
2617	Accumulation of Perfluoroalkylated Substances in Oceanic Plankton.	2017
2618	Adsorptive removal of emerging polyfluoroalkyl substances F-53B and PFOS by anion-exchange resin: A comparative study	2017
2619	Aldolase-catalysed stereoselective synthesis of fluorinated small molecules	2017
2620	Analysis of perfluorinated compounds in human serum from the general population in Shanghai by liquid chromatography-tandem mass spectrometry (LC-MS/MS)	2017
2621	Analytical strategies for organic food packaging contaminants	2017

2622	Arylazindazole Photoswitches: Facile Synthesis and Functionalization via SNAr Substitution.	2017
2623	Association between perfluoroalkyl substance exposure and asthma and allergic disease in children as modified by MMR vaccination.	2017
2624	Association of perfluoroalkyl substances exposure with impaired lung function in children	2017
2625	Asymmetric Biocatalytic Synthesis of Fluorinated Pyridines through Transesterification or Transamination: Computational Insights into the Reactivity of Transaminases.	2017
2626	Australia-wide assessment of perfluoroalkyl substances (PFASs) in landfill leachates	2017
2627	Chemical and physical effect of SiO <sub>2</sub> and TiO <sub>2</sub> nanoparticles on highly hydrophobic fluorocarbon hybrid coatings synthesized by atmospheric plasma.	2017
2628	Combined sonochemical and short-wavelength UV degradation of hydrophobic perfluorinated compounds	2017
2629	Comparative in vitro toxicity assessment of perfluorinated carboxylic acids.	2017
2630	Composition, distribution and risk of total fluorine, extractable organofluorine and perfluorinated compounds in Chinese teas	2017
2631	Concentration of perfluorinated compounds and cotinine in human foetal organs, placenta, and maternal plasma	2017
2632	Contaminants of emerging concern in Caspian tern compared to herring gull eggs from Michigan colonies in the Great Lakes of North America	2017
2633	Conversion of methyl ketones and methyl sulfones into $\alpha$ -deutero- $\alpha,\alpha$ -difluoromethyl ketones and $\alpha$ -deutero- $\alpha,\alpha$ -difluoromethyl sulfones in three synthetic steps.	2017
2634	Deriving environmental quality standards for perfluorooctanoic acid (PFOA) and related short chain perfluorinated alkyl acids.	2017
2635	Development and validation of an extraction method for the analysis of perfluoroalkyl substances in human hair	2017
2636	Development of Fluorinated Analogues of Perhexiline with Improved Pharmacokinetic Properties and Retained Efficacy.	2017
2637	Development of highly-sensitive detection system in 19F NMR for bioactive compounds based on the assembly of paramagnetic complexes with fluorinated cubic silsesquioxanes	2017
2638	Discovery of 40 Classes of Per- and Polyfluoroalkyl Substances in Historical Aqueous Film-Forming Foams (AFFFs) and AFFF-Impacted Groundwater.	2017
2639	Distribution of perfluoroalkyl compounds in Osaka Bay and coastal waters of Western Japan.	2017
2640	Early-life exposure to EDCs: role in childhood obesity and neurodevelopment.	2017
2641	Early-Life Exposure to Perfluoroalkyl Substances and Childhood Metabolic Function.	2017
2642	Effect of C2HF5 and C3HF7 on methane and propane ignition and laminar flame speed: Experimental and numerical evaluation	2017
2643	Efficient treatment of perfluorohexanoic acid by nanofiltration followed by electrochemical degradation of the NF concentrate	2017
2644	Emerging environmental contaminants: Challenges facing our next generation and potential engineering solutions	2017
2645	Exposure to perfluoroalkyl substances and thyroid function in pregnant women and children: A systematic review of epidemiologic studies	2017
2646	Fabrication and evaluation of a fluorophilic adsorbent for multiple monolithic fiber solid-phase microextraction of fluorobenzenes	2017
2647	Fate of emerging and priority micropollutants during the sewage sludge treatment: Case study of Paris conurbation. Part 1: Contamination of the different types of sewage sludge	2017
2648	Fluorous Solid-Phase Extraction Technique Based on Nanographite Fluoride.	2017
2649	Fluorous-Phase-Based Chiral Assay with Circular Dichroism Spectroscopy.	2017
2650	Geochemical and Hydrologic Factors Controlling Subsurface Transport of Poly- and Perfluoroalkyl Substances, Cape Cod, Massachusetts.	2017
2651	Gold nanoparticle-based optical sensors for selected anionic contaminants.	2017
2652	Highly Fluorinated Tris(indazolyl)borate Hydrocarbyl Complexes of Calcium and Magnesium: Synthesis and Structural Studies.	2017
2653	Highly icephobic properties on slippery surfaces formed from polysiloxane and fluorinated POSS.	2017
2654	Highly Stereoselective Gold-Catalyzed Coupling of Diazo Reagents and Fluorinated Enol Silyl Ethers to Tetrasubstituted Alkenes.	2017
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