Message

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CC: 'Tina.Fan@doh.state.nj.us'; 'bahman.parsa@doh.state.nj.us'; 'jessie.gleason@doh.state.nj.us'; 'gvanorden@hanovertownship.com'; 'cooper@aesop.rutgers.edu'; MacGillivray, Ron [Ron.MacGillivray@drbc.nj.gov]
Subject: PFCs - PubMed alert thru 3/31/2016
Attachments: PFCsMar2016.txt

Attached is the copy you need if you are using End/Note.

76 journal articles from "Anal Bioanal Chem" to "Yeast" from 3/1 to 3/31/2016

1.
A fast method for analysing six perfluoroalkyl substances in human serum by solid-phase extraction on-line coupled to liquid chromatography tandem mass spectrometry.
Bartolomé M, Gallego-Picó A, Huetos O, Lucena MÁ, Castaño A.
Anal Bioanal Chem. 2016 Mar;408(8):2159-70. doi: 10.1007/s00216-016-9319-0.
PMID: 26790871

2.
Screening of Toxic Chemicals in a Single Drop of Human Whole Blood Using Ordered Mesoporous Carbon as a Mass Spectrometry Probe.
Huang X, Liu Q, Fu J, Nie Z, Gao K, Jiang G.
Anal Chem. 2016 Apr 5;88(7):4107-13. doi: 10.1021/acs.analchem.6b00444.
PMID: 26985970

3.
PFOS, PFNA, and PFOA sub-lethal exposure to embryonic zebrafish have different toxicity profiles in terms of morphometrics, behavior and gene expression.
Jantzen CE, Annunziato KA, Bugel SM, Cooper KR.
Aquat Toxicol. 2016 Mar 31;175:160-170. doi: 10.1016/j.aquatox.2016.03.026.
PMID: 27058923

4.
Response of Lemna minor L. to short-term cobalt exposure: The effect on photosynthetic electron transport chain and induction of oxidative damage.
Begović L, Mlinarić S, Antunović Dunić J, Katanić Z, Lončarić Z, Lepeduš H, Cesar V.
Aquat Toxicol. 2016 Mar 10;175:117-126. doi: 10.1016/j.aquatox.2016.03.009.
PMID: 27015565

5.

Programming of metabolic effects in C57BL/6JxFVB mice by in utero and lactational exposure to **perfluorooctanoic acid**.
van Esterik JC, Sales LB, Dollé ME, Håkansson H, Herlin M, Legler J, van der Ven LT.
Arch Toxicol. 2016 Mar;90(3):701-15. doi: 10.1007/s00204-015-1488-7.
PMID: 25827101 [Free PMC Article]
http://link.springer.com/article/10.1007%2Fs00204-015-1488-7 (15p)

6.
Perfluorononanoic acid in combination with 14 chemicals exerts low-dose mixture effects in rats.
Hadrup N, Pedersen M, Skov K, Hansen NL, Berthelsen LO, Kongsbak K, Boberg J, Dybdahl M, Hass U, Frandsen H, Vinggaard AM.
Arch Toxicol. 2016 Mar;90(3):661-75. doi: 10.1007/s00204-015-1452-6.
PMID: 25588985

7.
Polar stir bars for isolation and preconcentration of **perfluoroalkyl substances** from human milk samples prior to UHPLC-MS/MS analysis.
Martín J, Rodríguez-Gómez R, Zafra-Gómez A, Alonso E, Vílchez JL, Navalón A.
Bioanalysis. 2016 Apr;8(7):633-47. doi: 10.4155/bio-2015-0009.
PMID: 26978125

8.
Divalent Amino-Acid-Based Amphiphilic Antioxidants: Synthesis, Self-Assembling Properties, and Biological Evaluation.
Rosselin M, Meyer G, Guillet P, Cheviet T, Walther G, Meister A, Hadjipavlou- Litina D, Durand G.
Bioconjug Chem. 2016 Mar 16;27(3):772-81. doi: 10.1021/acs.bioconjchem.6b00002.
PMID: 26850367

9.
Synthesis of quaternary **α-perfluoroalkyl** lactams via electrophilic **perfluoroalkylation**.
Katayev D, Václavík J, Brüning F, Commare B, Togni A.
Chem Commun (Camb). 2016 Mar 3;52(21):4049-52. doi: 10.1039/c6cc00700g.
PMID: 26893124

10.
Synthesis of Organofluoro Compounds Using **Methyl Perfluoroalk-2-ynoates** as Building Blocks.
Sun X, Han J, Chen J, Zhang H, Cao W.
Chem Rec. 2016 Apr;16(2):907-23. doi: 10.1002/tcr.201500258.
PMID: 26969042

11.
Incremental Tuning Up of **Fluorous Phenazine** Acceptors.
Castro KP, Clikeman TT, DeWeerd NJ, Bukovsky EV, Rippy KC, Kuvychko IV, Hou GL, Chen YS, Wang XB, Strauss SH, Boltalina OV.
Chemistry. 2016 Mar 14;22(12):3930-6. doi: 10.1002/chem.201504122.
PMID: 26617289

12.
Photocatalytic/Cu-Promoted C-H Activations: Visible-light-Induced **ortho-Selective Perfluoroalkylation** of Benzamides.
Chen X, Tan Z, Gui Q, Hu L, Liu J, Wu J, Wang G.
Chemistry. 2016 Apr 25;22(18):6218-22. doi: 10.1002/chem.201600229.

PMID: 26933840

13.
Annual dynamics of perfluorinated compounds in sediment: A case study in the Morava River in Zlín district, Czech Republic.
Bečanová J, Komprdová K, Vrana B, Klánová J.
Chemosphere. 2016 May;151:225-33. doi: 10.1016/j.chemosphere.2016.02.081.
PMID: 26945239

14.
Perfluorinated alkyl acids in the plasma of South African crocodiles (*Crocodylus niloticus*).
Christie I, Reiner JL, Bowden JA, Botha H, Cantu TM, Govender D, Guillette MP, Lowers RH, Luus-Powell WJ, Pienaar D, Smit WJ, Guillette LJ Jr.
Chemosphere. 2016 Mar 31;154:72-78. doi: 10.1016/j.chemosphere.2016.03.072.
PMID: 27038902

15.
Electrochemical oxidation of perfluorinated compounds in water.
Niu J, Li Y, Shang E, Xu Z, Liu J.
Chemosphere. 2016 Mar;146:526-38. doi: 10.1016/j.chemosphere.2015.11.115. **[Review]**
PMID: 26745381

16.
The toxic effect and bioaccumulation in aquatic oligochaete *Limnodrilus hoffmeisteri* after combined exposure to cadmium and **perfluorooctane sulfonate** at different pH values.
Qu R, Liu J, Wang L, Wang Z.
Chemosphere. 2016 Jun;152:496-502. doi: 10.1016/j.chemosphere.2016.03.024.
PMID: 27003372

17.
Uptake of 8:2 **perfluoroalkyl phosphate diester** and its degradation products by carrot and lettuce from compost-amended soil.
Bizkarguenaga E, Zabaleta I, Prieto A, Fernández LA, Zuloaga O.
Chemosphere. 2016 Jun;152:309-17. doi: 10.1016/j.chemosphere.2016.02.130.
PMID: 26991379

18.
Helical Inversion of Gel Fibrils by **Elongation of Perfluoroalkyl Chains** as Studied by Vibrational Circular Dichroism.
Sato H, Yajima T, Yamagishi A.
Chirality. 2016 Mar 18. doi: 10.1002/chir.22592. [Epub ahead of print]
PMID: 26992437

19.
Gene expression profile changes in *Eisenia fetida* **chronically exposed to PFOA**.
Mayilswami S, Krishnan K, Megharaj M, Naidu R.
Ecotoxicology. 2016 May;25(4):759-69. doi: 10.1007/s10646-016-1634-x.
PMID: 26942927

20.
Modeled Perfluorooctanoic Acid (PFOA) Exposure and Liver Function in a Mid-Ohio Valley Community.
Darrow LA, Groth AC, Winquist A, Shin HM, Bartell SM, Steenland K.

Environ Health Perspect. 2016 Mar 15. [Epub ahead of print]
PMID: 26978841 [Free Article]
http://ehp.niehs.nih.gov/wp-content/uploads/advpub/2016/3/ehp.1510391.acco.pdf (31p)

21.
Prenatal Phthalate, Perfluoroalkyl Acid, and Organochlorine Exposures and Term Birth Weight in Three Birth Cohorts: Multi-Pollutant Models Based on Elastic Net Regression.
Lenters V, Portengen L, Rignell-Hydbom A, Jönsson BA, Lindh CH, Piersma AH, Toft G, Bonde JP, Heederik D, Rylander L, Vermeulen R.
Environ Health Perspect. 2016 Mar;124(3):365-72. doi: 10.1289/ehp.1408933.
PMID: 26115335 [Free PMC Article]
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22.
Perfluoroalkyl substances in older male anglers in Wisconsin.
Christensen KY, Raymond M, Thompson BA, Anderson HA.
Environ Int. 2016 May;91:312-8. doi: 10.1016/j.envint.2016.03.012.
PMID: 27003842

23.
Properties, performance and associated hazards of state-of-the-art durable water repellent (DWR) chemistry for textile finishing.
Holmquist H, Schellenberger S, van der Veen I, Peters GM, Leonards PE, Cousins IT.
Environ Int. 2016 May;91:251-64. doi: 10.1016/j.envint.2016.02.035. **[Review]**
PMID: 26994426

24.
Perfluoroalkyl substances and food allergies in adolescents.
Buser MC, Scinicariello F.
Environ Int. 2016 Mar;88:74-9. doi: 10.1016/j.envint.2015.12.020.
PMID: 26722671

25.
Serum perfluorinated chemicals, glucose homeostasis and the risk of diabetes in working-aged Taiwanese adults.
Su TC, Kuo CC, Hwang JJ, Lien GW, Chen MF, Chen PC.
Environ Int. 2016 Mar;88:15-22. doi: 10.1016/j.envint.2015.11.016.
PMID: 26700417

26.
Neutral and ionic **per- and polyfluoroalkyl substances (PFASs)** in atmospheric and dry deposition samples over a source region (Tianjin, China).
Yao Y, Chang S, Sun H, Gan Z, Hu H, Zhao Y, Zhang Y.
Environ Pollut. 2016 Mar 4;212:449-456. doi: 10.1016/j.envpol.2016.02.023.
PMID: 26952273

27.
Positive associations of **serum perfluoroalkyl substances** with uric acid and hyperuricemia in children from Taiwan.
Qin XD, Qian Z, Vaughn MG, Huang J, Ward P, Zeng XW, Zhou Y, Zhu Y, Yuan P, Li M, Bai Z, Paul G, Hao YT, Chen W, Chen PC, Dong GH, Lee YL.
Environ Pollut. 2016 Mar 10;212:519-524. doi: 10.1016/j.envpol.2016.02.050.
PMID: 26970855

28.

Analysis of the presence of perfluoroalkyl substances in water, sediment and biota of the Jucar River (E Spain). Sources, partitioning and relationships with water physical characteristics.
Campo J, Lorenzo M, Pérez F, Picó Y, Farré Ml, Barceló D.
Environ Res. 2016 May;147:503-12. doi: 10.1016/j.envres.2016.03.010.
PMID: 26974364

29.
Perfluoroalkyl substances in serum from South Korean infants with congenital hypothyroidism and healthy infants - Its relationship with thyroid hormones.
Kim DH, Kim UJ, Kim HY, Choi SD, Oh JE.
Environ Res. 2016 May;147:399-404. doi: 10.1016/j.envres.2016.02.037.
PMID: 26950028

30.
Photochemical defluorination of aqueous perfluorooctanoic acid (PFOA) by Fe⁰/GAC micro-electrolysis and VUV-Fenton photolysis.
Zhang LH, Cheng JH, You X, Liang XY, Hu YY.
Environ Sci Pollut Res Int. 2016 Mar 31. [Epub ahead of print]
PMID: 27030239

31.
Depth profile of persistent and emerging organic pollutants upstream of the Three Gorges Dam gathered in 2012/2013.
Deyerling D, Wang J, Bi Y, Peng C, Pfister G, Henkelmann B, Schramm KW.
Environ Sci Pollut Res Int. 2016 Mar;23(6):5782-94. doi: 10.1007/s11356-015-5805-8.
PMID: 26585456

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Influence of Perfluorooctanoic Acid on the Transport and Deposition Behaviors of Bacteria in Quartz Sand.
Wu D, Tong M, Kim H.
Environ Sci Technol. 2016 Mar 1;50(5):2381-8. doi: 10.1021/acs.est.5b05496.
PMID: 26866280

33.
Nationwide Distribution of **Per- and Polyfluoroalkyl Substances in Outdoor Dust in Mainland China** From Eastern to Western Areas.
Yao Y, Sun H, Gan Z, Hu H, Zhao Y, Chang S, Zhou Q.
Environ Sci Technol. 2016 Apr 5;50(7):3676-85. doi: 10.1021/acs.est.6b00649.
PMID: 26966787

34.
Pesticide Mixture Toxicity in Surface Water Extracts in Snails (*Lymnaea stagnalis*) by an in Vitro Acetylcholinesterase Inhibition Assay and Metabolomics.
Tufi S, Wassenaar PN, Osorio V, de Boer J, Leonards PE, Lamoree MH.
Environ Sci Technol. 2016 Apr 5;50(7):3937-44. doi: 10.1021/acs.est.5b04577.
PMID: 26900769

35.
Effects of aqueous film-forming foams (AFFFs) on trichloroethene (TCE) dechlorination by a *Dehalococcoides mccartyi*-containing microbial community.
Harding-Marjanovic KC, Yi S, Weathers TS, Sharp JO, Sedlak DL, Alvarez-Cohen L.
Environ Sci Technol. 2016 Apr 5;50(7):3352-61. doi: 10.1021/acs.est.5b04773.
PMID: 26894610

36.
Developmental toxicity and DNA damage to zebrafish induced by perfluorooctane sulfonate in the presence of ZnO nanoparticles.
Du J, Wang S, You H, Jiang R, Zhuang C, Zhang X.
Environ Toxicol. 2016 Mar;31(3):360-71. doi: 10.1002/tox.22050.
PMID: 25258305

37.
Competing mechanisms for **perfluoroalkyl acid accumulation in plants** revealed using an Arabidopsis model system.
Müller CE, LeFevre GH, Timofte AE, Hussain FA, Sattely ES, Luthy RG.
Environ Toxicol Chem. 2016 May;35(5):1138-47. doi: 10.1002/etc.3251.
PMID: 26383989

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Toxicokinetics of perfluorooctane sulfonate in rainbow trout (*Oncorhynchus mykiss*).
Consoer DM, Hoffman AD, Fitzsimmons PN, Kosian PA, Nichols JW
Environ Toxicol Chem. 2016 Mar;35(3):717-27. doi: 10.1002/etc.3230.
PMID: 26332333

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Levels of persistent contaminants in relation to fish consumption among older male anglers in Wisconsin.
Christensen KY, Thompson BA, Werner M, Malecki K, Imm P, Anderson HA.
Int J Hyg Environ Health. 2016 Mar;219(2):184-94. doi: 10.1016/j.ijheh.2015.11.001.
PMID: 26614251

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Fluorine-Terminated Diamond Surfaces as Dense Dipole Lattices: The Electrostatic Origin of Polar Hydrophobicity.
Mayrhofer L, Moras G, Mulakaluri N, Rajagopalan S, Stevens PA, Moseler M.
J Am Chem Soc. 2016 Mar 17. [Epub ahead of print]
PMID: 26931527

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Perfluorooctane sulfonate (PFOS) impairs the proliferation of C17.2 neural stem cells via the downregulation of GSK-3β/β-catenin signaling.
Dong X, Yang J, Nie X, Xiao J, Jiang S.
J Appl Toxicol. 2016 Mar 28. doi: 10.1002/jat.3320. [Epub ahead of print]
PMID: 27018151

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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.
Padilla-Sánchez JA, Haug LS.
J Chromatogr A. 2016 May 6;1445:36-45. doi: 10.1016/j.chroma.2016.03.058.
PMID: 27062722

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Multiresidue analysis of endocrine-disrupting compounds and perfluorinated sulfates and carboxylic acids in sediments by ultra-high-performance liquid chromatography-tandem mass spectrometry.

Cavaliere C, Capriotti AL, Ferraris F, Foglia P, Samperi R, Ventura S, Laganà A.
J Chromatogr A. 2016 Mar 18;1438:133-42. doi: 10.1016/j.chroma.2016.02.022.
PMID: 26884138

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A water resistant solid-phase microextraction fiber with high selectivity **prepared by a metal organic framework with perfluorinated pores**.
Niu J, Li Z, Yang H, Ye C, Chen C, Li D, Xu J, Fan L.
J Chromatogr A. 2016 Apr 8;1441:16-23. doi: 10.1016/j.chroma.2016.02.076.
PMID: 26949215

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Aqueous phase hydration and hydrate acidity of perfluoroalkyl and n:2 fluorotelomer aldehydes.
Rayne S, Forest K.
J Environ Sci Health A Tox Hazard Subst Environ Eng. 2016 Jun 6;51(7):579-82. doi: 10.1080/10934529.2016.1141625.
PMID: 26980678

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Low dose perfluorooctanoate exposure promotes cell proliferation in a human non-tumor liver cell line.
Zhang H, Cui R, Guo X, Hu J, Dai J.
J Hazard Mater. 2016 Mar 29;313:18-28. doi: 10.1016/j.jhazmat.2016.03.077.
PMID: 27045622

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Occurrence and distribution of brominated flame retardants and perfluoroalkyl substances in Australian landfill leachate and biosolids.
Gallen C, Drage D, Kaserzon S, Baduel C, Gallen M, Banks A, Broomhall S, Mueller JF.
J Hazard Mater. 2016 Mar 16;312:55-64. doi: 10.1016/j.jhazmat.2016.03.031.
PMID: 27016666

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Toxicity and bioaccumulation of copper in *Limnodrilus hoffmeisteri* under different pH values: **Impacts of perfluorooctane sulfonate.**
Meng L, Yang S, Feng M, Qu R, Li Y, Liu J, Wang Z, Sun C.
J Hazard Mater. 2016 Mar 15;305:219-28. doi: 10.1016/j.jhazmat.2015.11.048.
PMID: 26686481

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Antibody response to booster vaccination with tetanus and diphtheria in **adults exposed to perfluorinated alkylates**.
Kielsen K, Shamim Z, Ryder LP, Nielsen F, Grandjean P, Budtz-Jørgensen E, Heilmann C.
J Immunotoxicol. 2016 Mar;13(2):270-3. doi: 10.3109/1547691X.2015.1067259.
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Cord blood gene expression supports that **prenatal exposure to perfluoroalkyl substances** causes depressed immune functionality in early childhood.
Pennings JL, Jennen DG, Nygaard UC, Namork E, Haug LS, van Loveren H, Granum B.
J Immunotoxicol. 2016 Mar;13(2):173-80. doi: 10.3109/1547691X.2015.1029147.
PMID: 25812627

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Cu-catalyzed multicomponent reaction of styrenes, **perfluoroalkyl halide**, alcohol, and tert-butyl hydroperoxide: one-pot synthesis of (Z)-β-alkoxy**perfluoroalkenone**.

Luo Q, Liu C, Tong J, Shao Y, Shan W, Wang H, Zheng H, Cheng J, Wan X.
J Org Chem. 2016 Apr 15;81(8):3103-11. doi: 10.1021/acs.joc.5b02664.
PMID: 26980724

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Effects of perfluorooctane sulfonate on the conformation and activity of bovine serum albumin.
Wang Y, Zhang H, Kang Y, Cao J.
J Photochem Photobiol B. 2016 Mar 18;159:66-73. doi: 10.1016/j.jphotobiol.2016.03.024.
PMID: 27031195

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Characterization of Adsorbed Molecular Water on the Surface of a Stretched **Polytetrafluoroethylene** Tape Analyzed by (1)H NMR.
Wakai C, Shimoaka T, Hasegawa T.
J Phys Chem B. 2016 Mar 10;120(9):2538-43. doi: 10.1021/acs.jpcb.5b11276.
PMID: 26848611

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PFC and Triglyme for Li-Air Batteries: A Molecular Dynamics Study.
Kuritz N, Murat M, Balaish M, Ein-Eli Y, Natan A.
J Phys Chem B. 2016 Apr 7;120(13):3370-7. doi: 10.1021/acs.jpcb.5b12075.
PMID: 26982570

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Mapping and Tuning the Fluorescence of **Perfluorinated Polyanilines** Synthesized through Liquid-Liquid Interfaces.
Dallas P, Rašović I, Porfyrakis K.
J Phys Chem B. 2016 Apr 7;120(13):3441-54. doi: 10.1021/acs.jpcb.6b00739.
PMID: 26963137

56.
Using a novel "Integrated Biomarker Proteomic" index to assess **the effects of freshwater pollutants** in European eel peripheral blood mononuclear cells.
Roland K, Kestemont P, Dieu M, Raes M, Silvestre F.
J Proteomics. 2016 Mar 30;137:83-96. doi: 10.1016/j.jprot.2016.01.007.
PMID: 26785284

57.
Evaluation of the dual retention properties of stationary phases based on silica hydride: **Perfluorinated bonded material**.
Pesek JJ, Matyska MT, Natekar H.
J Sep Sci. 2016 Mar;39(6):1050-5. doi: 10.1002/jssc.201501241.
PMID: 26766498

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A Comparison of Fish Oil Sources for Parenteral Lipid Emulsions in a Murine Model.
Fell GL, Cho BS, Pan A, Nose V, Anez-Bustillos L, Dao DT, Baker MA, Nandivada P, Gura KM, Puder M.
JPEN J Parenter Enteral Nutr. 2016 Mar 18. pii: 0148607116640275. [Epub ahead of print]
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Perfluorinated Alcohols Induce Complex Coacervation in Mixed Surfactants.

Jenkins SI, Collins CM, Khaledi MG.
Langmuir. 2016 Mar 15;32(10):2321-30. doi: 10.1021/acs.langmuir.5b04701.
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Transcriptomic analysis of bottlenose dolphin (*Tursiops truncatus*) skin biopsies to assess the **effects of emerging contaminants.**
Lunardi D, Abelli L, Panti C, Marsili L, Fossi MC, Mancia A.
Mar Environ Res. 2016 Mar;114:74-9. doi: 10.1016/j.marenvres.2016.01.002.
PMID: 26794494

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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.
Carlsson P, Crosse JD, Halsall C, Evenset A, Heimstad ES, Harju M.
Mar Pollut Bull. 2016 Apr 15;105(1):81-7. doi: 10.1016/j.marpolbul.2016.02.053.
PMID: 26948293

62.
Maltotriose-conjugation to a **fluorinated chlorin derivative** generating a PDT photosensitizer with improved water-solubility.
Narumi A, Tsuji T, Shinohara K, Yamazaki H, Kikuchi M, Kawaguchi S, Mae T, Ikeda A, Sakai Y, Kataoka H, Inoue M, Nomoto A, Kikuchi J, Yano S.
Org Biomol Chem. 2016 Apr 14;14(14):3608-13. doi: 10.1039/c6ob00276e.
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Perfluoroalkyl and polyfluoroalkyl substances and indicators of immune function in children aged 12-19 y: National Health and Nutrition Examination Survey.
Stein CR, McGovern KJ, Pajak AM, Maglione PJ, Wolff MS.
Pediatr Res. 2016 Mar;79(2):348-57. doi: 10.1038/pr.2015.213.
PMID: 26492286

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In utero perfluorooctane sulfonate exposure causes low body weights of fetal rats: A mechanism study.
Li X, Ye L, Ge Y, Yuan K, Zhang Y, Liang Y, Wei J, Zhao C, Lian QQ, Zhu X, Ge RS.
Placenta. 2016 Mar;39:125-33. doi: 10.1016/j.placenta.2016.01.010.
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Designed synthesis of fluorous-functionalized magnetic mesoporous microspheres for specific enrichment of phosphopeptides with fluorous derivatization.
Zhao M, Deng C.
Proteomics. 2016 Apr;16(7):1051-8. doi: 10.1002/pmic.201500323.
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Influence of the uncertainty in the validation of PBPK models: **A case-study for PFOS and PFOA**.
Fàbrega F, Nadal M, Schuhmacher M, Domingo JL, Kumar V.
Regul Toxicol Pharmacol. 2016 Mar 15;77:230-239. doi: 10.1016/j.yrtph.2016.03.009. [Epub ahead of print]
PMID: 26993749

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Pilot-scale UV/H2O2 study for **emerging organic contaminants decomposition**.
Chu X, Xiao Y, Hu J, Quek E, Xie R, Pang T, Xing Y.
Rev Environ Health. 2016 Mar 1;31(1):71-4. doi: 10.1515/reveh-2016-0008.
PMID: 26943602

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Spatial distribution and source apportionment of PFASs in surface sediments from five lake regions, China.
Qi Y, Huo S, Xi B, Hu S, Zhang J, He Z.
Sci Rep. 2016 Mar 7;6:22674. doi: 10.1038/srep22674.
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Electrocoagulation mechanism of **perfluorooctanoate (PFOA)** on a zinc anode: Influence of cathodes and anions.
Wang Y, Lin H, Jin F, Niu J, Zhao J, Bi Y, Li Y.
Sci Total Environ. 2016 Mar 30;557-558:542-550. doi: 10.1016/j.scitotenv.2016.03.114. [Epub ahead of print]
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Behaviors of **N-ethyl perfluorooctane** sulfonamide ethanol (N-EtFOSE) in a soil-earthworm system: Transformation and bioaccumulation.
Zhao S, Ma X, Fang S, Zhu L.
Sci Total Environ. 2016 Jun 1;554-555:186-91. doi: 10.1016/j.scitotenv.2016.02.180.
PMID: 26950632

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Role of miR-155 in **fluorooctane sulfonate**-induced oxidative hepatic damage via the Nrf2-dependent pathway.
Wan C, Han R, Liu L, Zhang F, Li F, Xiang M, Ding W.
Toxicol Appl Pharmacol. 2016 Mar 15;295:85-93. doi: 10.1016/j.taap.2016.01.023.
PMID: 26844784

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Effects of defined mixtures of persistent organic pollutants (POPs) on multiple cellular responses in the human hepatocarcinoma cell line, HepG2, using high content analysis screening.
Wilson J, Berntsen HF, Zimmer KE, Frizzell C, Verhaegen S, Ropstad E, Connolly L.
Toxicol Appl Pharmacol. 2016 Mar 1;294:21-31. doi: 10.1016/j.taap.2016.01.001.
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