Heather M Stapleton

List of Publications by Year
in descending order

246 papers	20,239 citations	6613 79 h-index	12597 132 g-index
254 all docs	254 docs citations	254 times ranked	9255 citing authors

#	Article	IF	Citations
1	Detection of Organophosphate Flame Retardants in Furniture Foam and U.S. House Dust. Environmental Science & Technology, 2009, 43, 7490-7495.	10.0	662
2	House Dust Concentrations of Organophosphate Flame Retardants in Relation to Hormone Levels and Semen Quality Parameters. Environmental Health Perspectives, 2010, 118, 318-323.	6.0	580
3	Alternate and New Brominated Flame Retardants Detected in U.S. House Dust. Environmental Science & Technology, 2008, 42, 6910-6916.	10.0	471
4	Polybrominated diphenyl ether flame retardants in the North American environment. Environment International, 2003, 29, 771-779.	10.0	427
5	Polybrominated Diphenyl Ethers in House Dust and Clothes Dryer Lint. Environmental Science & Technology, 2005, 39, 925-931.	10.0	421
6	Identification of Flame Retardants in Polyurethane Foam Collected from Baby Products. Environmental Science & Technology, 2011, 45, 5323-5331.	10.0	415
7	Tracking complex mixtures of chemicals in our changing environment. Science, 2020, 367, 388-392.	12.6	390
8	Novel and High Volume Use Flame Retardants in US Couches Reflective of the 2005 PentaBDE Phase Out. Environmental Science & Technology, 2012, 46, 13432-13439.	10.0	370
9	Organophosphate Ester Flame Retardants: Are They a Regrettable Substitution for Polybrominated Diphenyl Ethers?. Environmental Science and Technology Letters, 2019, 6, 638-649.	8.7	343
10	Debromination of the Flame Retardant Decabromodiphenyl Ether by Juvenile Carp (Cyprinus carpio) following Dietary Exposure. Environmental Science & Technology, 2004, 38, 112-119.	10.0	341
11	Is the PentaBDE replacement, tris (1,3-dichloro-2-propyl) phosphate (TDCPP), a developmental neurotoxicant? Studies in PC12 cells. Toxicology and Applied Pharmacology, 2011, 256, 281-289.	2.8	328
12	In Vivo and In Vitro Debromination of Decabromodiphenyl Ether (BDE 209) by Juvenile Rainbow Trout and Common Carp. Environmental Science & Technology, 2006, 40, 4653-4658.	10.0	325
13	Debromination of Polybrominated Diphenyl Ether Congeners BDE 99 and BDE 183 in the Intestinal Tract of the Common Carp (Cyprinus carpio). Environmental Science & Technology, 2004, 38, 1054-1061.	10.0	293
14	Urinary Metabolites of Organophosphate Flame Retardants: Temporal Variability and Correlations with House Dust Concentrations. Environmental Health Perspectives, 2013, 121, 580-585.	6.0	272
15	Metabolites of Organophosphate Flame Retardants and 2-Ethylhexyl Tetrabromobenzoate in Urine from Paired Mothers and Toddlers. Environmental Science & Technology, 2014, 48, 10432-10438.	10.0	268
16	Monitoring Indoor Exposure to Organophosphate Flame Retardants: Hand Wipes and House Dust. Environmental Health Perspectives, 2015, 123, 160-165.	6.0	265
17	Serum PBDEs in a North Carolina Toddler Cohort: Associations with Handwipes, House Dust, and Socioeconomic Variables. Environmental Health Perspectives, 2012, 120, 1049-1054.	6.0	242
18	Accumulation and Endocrine Disrupting Effects of the Flame Retardant Mixture Firemaster^{Â®} 550 in Rats: An Exploratory Assessment. Journal of Biochemical and Molecular Toxicology, 2013, 27, 124-136.	3.0	222

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19	Critical factors in assessing exposure to PBDEs via house dust. Environment International, 2008, 34, 1085-1091.	10.0	216
20	Metabolism of Polybrominated Diphenyl Ethers (PBDEs) by Human Hepatocytes in Vitro. Environmental Health Perspectives, 2009, 117, 197-202.	6.0	212
21	Measurement of Polybrominated Diphenyl Ethers on Hand Wipes: Estimating Exposure from Hand-to-Mouth Contact. Environmental Science & Technology, 2008, 42, 3329-3334.	10.0	208
22	Flame retardant associations between childrenâ€™s handwipes and house dust. Chemosphere, 2014, 116, 54-60.	8.2	203
23	Personal Exposure to Polybrominated Diphenyl Ethers (PBDEs) in Residential Indoor Air. Environmental Science & Technology, 2007, 41, 4574-4579.	10.0	200
24	Identifying Transfer Mechanisms and Sources of Decabromodiphenyl Ether (BDE 209) in Indoor Environments Using Environmental Forensic Microscopy. Environmental Science & Technology, 2009, 43, 3067-3072.	10.0	198
25	Urinary metabolites of organophosphate flame retardants and their variability in pregnant women. Environment International, 2014, 63, 169-172.	10.0	191
26	Species-Specific Differences and Structureâ^'Activity Relationships in the Debromination of PBDE Congeners in Three Fish Species. Environmental Science & Technology, 2011, 45, 1999-2005.	10.0	190
27	Associations between Polybrominated Diphenyl Ether (PBDE) Flame Retardants, Phenolic Metabolites, and Thyroid Hormones during Pregnancy. Environmental Health Perspectives, 2011, 119, 1454-1459.	6.0	190
28	Photodegradation of decabromodiphenyl ether in house dust by natural sunlight. Environmental Toxicology and Chemistry, 2008, 27, 306-312.	4.3	188
29	Relationships between Polybrominated Diphenyl Ether Concentrations in House Dust and Serum. Environmental Science & Technology, 2010, 44, 5627-5632.	10.0	181
30	Exposure to PBDEs in the Office Environment: Evaluating the Relationships Between Dust, Handwipes, and Serum. Environmental Health Perspectives, 2011, 119, 1247-1252.	6.0	180
31	Measuring Personal Exposure to Organophosphate Flame Retardants Using Silicone Wristbands and Hand Wipes. Environmental Science & Technology, 2016, 50, 4483-4491.	10.0	176
32	Nail polish as a source of exposure to triphenyl phosphate. Environment International, 2016, 86, 45-51.	10.0	171
33	Ligand Binding and Activation of PPAR Î³ by Firemaster ^{Â®} 550: Effects on Adipogenesis and Osteogenesis in Vitro. Environmental Health Perspectives, 2014, 122, 1225-1232.	6.0	167
34	Linking PBDEs in House Dust to Consumer Products using X-ray Fluorescence. Environmental Science & Technology, 2008, 42, 4222-4228.	10.0	161
35	Early Zebrafish Embryogenesis Is Susceptible to Developmental TDCPP Exposure. Environmental Health Perspectives, 2012, 120, 1585-1591.	6.0	151
36	Analysis of the flame retardant metabolites bis(1,3-dichloro-2-propyl) phosphate (BDCPP) and diphenyl phosphate (DPP) in urine using liquid chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2011, 401, 2123-2132.	3.7	149

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37	DIETARY ACCUMULATION AND METABOLISM OF POLYBROMINATED DIPHENYL ETHERS BY JUVENILE CARP (CYPRINUS CARPIO). Environmental Toxicology and Chemistry, 2004, 23, 1939.	4.3	146
38	Predictors of tris(1,3-dichloro-2-propyl) phosphate metabolite in the urine of office workers. Environment International, 2013, 55, 56-61.	10.0	146
39	Associations between brominated flame retardants in house dust and hormone levels in men. Science of the Total Environment, 2013, 445-446, 177-184.	8.0	146
40	Temporal Trends in Exposure to Organophosphate Flame Retardants in the United States. Environmental Science and Technology Letters, 2017, 4, 112-118.	8.7	142
41	Instrumental methods and challenges in quantifying polybrominated diphenyl ethers in environmental extracts: a review. Analytical and Bioanalytical Chemistry, 2006, 386, 807-817.	3.7	141
42	Determination of HBCD, PBDEs and MeO-BDEs in California sea lions (Zalophus californianus) stranded between 1993 and 2003. Marine Pollution Bulletin, 2006, 52, 522-531.	5.0	141
43	Evaluation of Maternal, Embryo, and Placental Effects in CD-1 Mice following Gestational Exposure to Perfluorooctanoic Acid (PFOA) or Hexafluoropropylene Oxide Dimer Acid (HFPO-DA or GenX). Environmental Health Perspectives, 2020, 128, 27006.	6.0	141
44	Perfluorinated Chemicals as Emerging Environmental Threats to Kidney Health. Clinical Journal of the American Society of Nephrology: CJASN, 2018, 13, 1479-1492.	4.5	139
45	Developmental Exposure to Organophosphate Flame Retardants Elicits Overt Toxicity and Alters Behavior in Early Life Stage Zebrafish (Danio rerio). Toxicological Sciences, 2014, 142, 445-454.	3.1	133
46	High Exposure to Organophosphate Flame Retardants in Infants: Associations with Baby Products. Environmental Science & Technology, 2015, 49, 14554-14559.	10.0	133
47	Exposures, mechanisms, and impacts of endocrine-active flame retardants. Current Opinion in Pharmacology, 2014, 19, 125-133.	3.5	130
48	Brominated and chlorinated flame retardants in San Francisco Bay sediments and wildlife. Environment International, 2012, 47, 56-65.	10.0	129
49	Children's residential exposure to organophosphate ester flame retardants and plasticizers: Investigating exposure pathways in the TESIE study. Environment International, 2018, 116, 176-185.	10.0	129
50	Aryl Phosphate Esters Within a Major PentaBDE Replacement Product Induce Cardiotoxicity in Developing Zebrafish Embryos: Potential Role of the Aryl Hydrocarbon Receptor. Toxicological Sciences, 2013, 133, 144-156.	3.1	123
51	Recent Declines in PAH, PCB, and Toxaphene Levels in the Northern Great Lakes As Determined from High Resolution Sediment Cores. Environmental Science & Technology, 2001, 35, 3809-3815.	10.0	120
52	Exposure to flame retardant chemicals and occurrence and severity of papillary thyroid cancer: A case-control study. Environment International, 2017, 107, 235-242.	10.0	118
53	Accumulation and Debromination of Decabromodiphenyl Ether (BDE-209) in Juvenile Fathead Minnows (Pimephales promelas) Induces Thyroid Disruption and Liver Alterations. Toxicological Sciences, 2011, 122, 265-274.	3.1	113
54	Halogenated Phenolic Contaminants Inhibit the In Vitro Activity of the Thyroid-Regulating Deiodinases in Human Liver. Toxicological Sciences, 2011, 124, 339-347.	3.1	113

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55	Results from Screening Polyurethane Foam Based Consumer Products for Flame Retardant Chemicals: Assessing Impacts on the Change in the Furniture Flammability Standards. Environmental Science & Technology, 2016, 50, 10653-10660.	10.0	113
56	Current-use flame retardants: Maternal exposure and neurodevelopment in children of the CHAMACOS cohort. Chemosphere, 2017, 189, 574-580.	8.2	110
57	Closing the Mass Balance on Fluorine on Papers and Textiles. Environmental Science & Technology, 2017, 51, 9022-9032.	10.0	110
58	Characterizing the Peroxisome Proliferator-Activated Receptor (PPAR Î³) Ligand Binding Potential of Several Major Flame Retardants, Their Metabolites, and Chemical Mixtures in House Dust. Environmental Health Perspectives, 2015, 123, 166-172.	6.0	106
59	Associations between urinary diphenyl phosphate and thyroid function. Environment International, 2017, 101, 158-164.	10.0	106
60	Photodegradation Pathways of Nonabrominated Diphenyl Ethers, 2-Ethylhexyltetrabromobenzoate and Di(2-ethylhexyl)tetrabromophthalate: Identifying Potential Markers of Photodegradation. Environmental Science & Technology, 2009, 43, 5739-5746.	10.0	102
61	Urinary Concentrations of Organophosphate Flame Retardant Metabolites and Pregnancy Outcomes among Women Undergoing in Vitro Fertilization. Environmental Health Perspectives, 2017, 125, 087018.	6.0	101
62	Low Level Exposure to the Flame Retardant BDE-209 Reduces Thyroid Hormone Levels and Disrupts Thyroid Signaling in Fathead Minnows. Environmental Science & Technology, 2013, 47, 10012-10021.	10.0	100
63	Polyfluorinated Compounds in Serum Linked to Indoor Air in Office Environments. Environmental Science & Technology, 2012, 46, 1209-1215.	10.0	99
64	Brominated flame retardants in placental tissues: associations with infant sex and thyroid hormone endpoints. Environmental Health, 2016, 15, 113.	4.0	99
65	Regional comparison of organophosphate flame retardant (PFR) urinary metabolites and tetrabromobenzoic acid (TBBA) in mother-toddler pairs from California and New Jersey. Environment International, 2016, 94, 627-634.	10.0	99
66	In vitro assessment of human nuclear hormone receptor activity and cytotoxicity of the flame retardant mixture FM 550 and its triarylphosphate and brominated components. Toxicology Letters, 2014, 228, 93-102.	0.8	98
67	Analysis of thyroid hormones in serum by liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2010, 397, 1831-1839.	3.7	95
68	Accumulation and DNA damage in fathead minnows (Pimephales promelas) exposed to 2 brominated flameâ€retardant mixtures, FiremasterÂ® 550 and FiremasterÂ® BZâ€54. Environmental Toxicology and Chemistry, 2010, 29, 722-729.	4.3	93
69	Measurement of flame retardants and triclosan in municipal sewage sludge and biosolids. Environment International, 2012, 40, 1-7.	10.0	93
70	Evaluating the Bioaccessibility of Flame Retardants in House Dust Using an In Vitro Tenax Bead-Assisted Sorptive Physiologically Based Method. Environmental Science & Technology, 2014, 48, 13323-13330.	10.0	90
71	Concentrations of polybrominated diphenyl ethers (PBDEs) and 2,4,6-tribromophenol in human placental tissues. Environment International, 2016, 88, 23-29.	10.0	90
72	Exploratory analysis of urinary metabolites of phosphorus-containing flame retardants in relation to markers of male reproductive health. Endocrine Disruptors (Austin, Tex), 2013, 1, e26306.	1.1	89

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73	Children's exposure to phthalates and non-phthalate plasticizers in the home: The TESIE study. Environment International, 2019, 132, 105061.	10.0	89
74	Characterization of Individual Isopropylated and tert-Butylated Triarylphosphate (ITP and TBPP) Isomers in Several Commercial Flame Retardant Mixtures and House Dust Standard Reference Material SRM 2585. Environmental Science & Technology, 2017, 51, 13443-13449.	10.0	86
75	Paternal urinary concentrations of organophosphate flame retardant metabolites, fertility measures, and pregnancy outcomes among couples undergoing in vitro fertilization. Environment International, 2018, 111, 232-238.	10.0	86
76	Predictors of urinary flame retardant concentration among pregnant women. Environment International, 2017, 98, 96-101.	10.0	85
77	Serum Levels of Polybrominated Diphenyl Ethers (PBDEs) in Foam Recyclers and Carpet Installers Working in the United States. Environmental Science & Technology, 2008, 42, 3453-3458.	10.0	83
78	Investigating a Novel Flame Retardant Known as V6: Measurements in Baby Products, House Dust, and Car Dust. Environmental Science & Technology, 2013, 47, 4449-4454.	10.0	83
79	Inhibition of Thyroid Hormone Sulfotransferase Activity by Brominated Flame Retardants and Halogenated Phenolics. Chemical Research in Toxicology, 2013, 26, 1692-1702.	3.3	82
80	In Vitro Metabolism of the Flame Retardant Triphenyl Phosphate in Chicken Embryonic Hepatocytes and the Importance of the Hydroxylation Pathway. Environmental Science and Technology Letters, 2015, 2, 100-104.	8.7	81
81	Flame retardants and their metabolites in the homes and urine of pregnant women residing in California (the CHAMACOS cohort). Chemosphere, 2017, 179, 159-166.	8.2	81
82	Comparative Absorption and Bioaccumulation of Polybrominated Diphenyl Ethers following Ingestion via Dust and Oil in Male Rats. Environmental Science & Technology, 2008, 42, 2694-2700.	10.0	80
83	Prenatal exposure to organophosphate esters and behavioral development in young children in the Pregnancy, Infection, and Nutrition Study. NeuroToxicology, 2019, 73, 150-160.	3.0	78
84	Organophosphate Esters: Are These Flame Retardants and Plasticizers Affecting Childrenâ€™s Health?. Current Environmental Health Reports, 2019, 6, 201-213.	6.7	78
85	Determination of polybrominated diphenyl ethers in indoor dust standard reference materials. Analytical and Bioanalytical Chemistry, 2006, 384, 791-800.	3.7	76
86	In vitro hepatic metabolism of 2,2â€²,4,4â€²,5-pentabromodiphenyl ether (BDE 99) in Chinook Salmon (Onchorhynchus tshawytscha). Aquatic Toxicology, 2009, 92, 281-287.	4.0	76
87	Comparing Polybrominated Diphenyl Ether and Polychlorinated Biphenyl Bioaccumulation in a Food Web in Grand Traverse Bay, Lake Michigan. Archives of Environmental Contamination and Toxicology, 2003, 45, 227-234.	4.1	75
88	In Vitro Metabolism of the Brominated Flame Retardants 2-Ethylhexyl-2,3,4,5-Tetrabromobenzoate (TBB) and Bis(2-ethylhexyl) 2,3,4,5-Tetrabromophthalate (TBPH) in Human and Rat Tissues. Chemical Research in Toxicology, 2012, 25, 1435-1441.	3.3	75
89	Triphenyl phosphate-induced developmental toxicity in zebrafish: Potential role of the retinoic acid receptor. Aquatic Toxicology, 2015, 161, 221-230.	4.0	74
90	Urinary Tetrabromobenzoic Acid (TBBA) as a Biomarker of Exposure to the Flame Retardant Mixture Firemaster ^{^{Â®}} 550. Environmental Health Perspectives, 2014, 122, 963-969.	6.0	73

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91	A Rapid Cytoplasmic Mechanism for PI3 Kinase Regulation by the Nuclear Thyroid Hormone Receptor, TRÎ², and Genetic Evidence for Its Role in the Maturation of Mouse Hippocampal Synapses In Vivo. Endocrinology, 2014, 155, 3713-3724.	2.8	73
92	Debromination of polybrominated diphenyl ether-99 (BDE-99) in carp (Cyprinus carpio) microflora and microsomes. Chemosphere, 2007, 69, 987-993.	8.2	72
93	Associations between PBDEs in office air, dust, and surface wipes. Environment International, 2013, 59, 124-132.	10.0	71
94	Low-Dose Levothyroxine Reduces Intrahepatic Lipid Content in Patients With Type 2 Diabetes Mellitus and NAFLD. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 2698-2706.	3.6	70
95	Comparing the Use of Silicone Wristbands, Hand Wipes, And Dust to Evaluate Childrenâ€™s Exposure to Flame Retardants and Plasticizers. Environmental Science & Technology, 2020, 54, 4484-4494.	10.0	70
96	Associations between flame retardant applications in furniture foam, house dust levels, and residents' serum levels. Environment International, 2017, 107, 181-189.	10.0	69
97	Impact of Dust from Multiple Microenvironments and Diet on PentaBDE Body Burden. Environmental Science & Technology, 2012, 46, 1192-1200.	10.0	68
98	Prenatal exposure to organophosphates and associations with birthweight and gestational length. Environment International, 2018, 116, 248-254.	10.0	67
99	Rodent Thyroid, Liver, and Fetal Testis Toxicity of the Monoester Metabolite of Bis-(2-ethylhexyl) Tetrabromophthalate (TBPH), a Novel Brominated Flame Retardant Present in Indoor Dust. Environmental Health Perspectives, 2012, 120, 1711-1719.	6.0	66
100	Characterizing the in vitro hepatic biotransformation of the flame retardant BDE 99 by common carp. Aquatic Toxicology, 2010, 97, 142-150.	4.0	65
101	Toward fire safety without chemical risk. Science, 2019, 364, 231-232.	12.6	64
102	Assessing the Effectiveness of Point-of-Use Residential Drinking Water Filters for Perfluoroalkyl Substances (PFASs). Environmental Science and Technology Letters, 2020, 7, 178-184.	8.7	63
103	Persistent Organic Pollutants in Two Dolphin Species with Focus on Toxaphene and Polybrominated Diphenyl Ethers. Environmental Science & Technology, 2005, 39, 692-698.	10.0	62
104	Sex Specific Placental Accumulation and Behavioral Effects of Developmental Firemaster 550 Exposure in Wistar Rats. Scientific Reports, 2017, 7, 7118.	3.3	60
105	Differential exposure to organophosphate flame retardants in mother-child pairs. Chemosphere, 2019, 219, 567-573.	8.2	60
106	Using whole mount in situ hybridization to examine thyroid hormone deiodinase expression in embryonic and larval zebrafish: A tool for examining OH-BDE toxicity to early life stages. Aquatic Toxicology, 2013, 132-133, 190-199.	4.0	59
107	Evaluating the Use of Silicone Wristbands To Measure Personal Exposure to Brominated Flame Retardants. Environmental Science & Technology, 2018, 52, 11875-11885.	10.0	58
108	Per- and Polyfluoroalkyl Substances in Dust Collected from Residential Homes and Fire Stations in North America. Environmental Science & Technology, 2020, 54, 14558-14567.	10.0	58

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109	Determination of polybrominated diphenyl ethers in environmental standard reference materials. Analytical and Bioanalytical Chemistry, 2007, 387, 2365-2379.	3.7	56
110	Flame Retardant Exposure among Collegiate United States Gymnasts. Environmental Science & Technology, 2013, 47, 13848-13856.	10.0	56
111	Activation of Human Peroxisome Proliferator-Activated Nuclear Receptors (PPARÎ³1) by Semi-Volatile Compounds (SVOCs) and Chemical Mixtures in Indoor Dust. Environmental Science & Technology, 2015, 49, 10057-10064.	10.0	55
112	Gene Transcription, Metabolite and Lipid Profiling in Eco-Indicator Daphnia magna Indicate Diverse Mechanisms of Toxicity by Legacy and Emerging Flame-Retardants. Environmental Science & Technology, 2015, 49, 7400-7410.	10.0	54
113	Characterization of Adipogenic Activity of House Dust Extracts and Semi-Volatile Indoor Contaminants in 3T3-L1 Cells. Environmental Science & Technology, 2017, 51, 8735-8745.	10.0	54
114	Beyond Cholinesterase Inhibition: Developmental Neurotoxicity of Organophosphate Ester Flame Retardants and Plasticizers. Environmental Health Perspectives, 2021, 129, 105001.	6.0	54
115	Disruption of Nuclear Receptor Signaling Alters Triphenyl Phosphate-Induced Cardiotoxicity in Zebrafish Embryos. Toxicological Sciences, 2018, 163, 307-318.	3.1	53
116	Biomarkers of exposure to SVOCs in children and their demographic associations: The TESIE Study. Environment International, 2018, 119, 26-36.	10.0	53
117	Metabolism of PCBs by the Deepwater Sculpin (Myoxocephalus thompsoni). Environmental Science & Technology, 2001, 35, 4747-4752.	10.0	52
118	Demographic and dietary risk factors in relation to urinary metabolites of organophosphate flame retardants in toddlers. Chemosphere, 2017, 185, 918-925.	8.2	50
119	Effectâ€directed analysis of Elizabeth River porewater: Developmental toxicity in zebrafish (Danio) Tj ETQq1 1 0.784314 rgBT /Ove	4.3	49
120	Diphenyl Phosphate-Induced Toxicity During Embryonic Development. Environmental Science & Technology, 2019, 53, 3908-3916.	10.0	49
121	Biogas Stoves Reduce Firewood Use, Household Air Pollution, and Hospital Visits in Odisha, India. Environmental Science & Technology, 2017, 51, 560-569.	10.0	48
122	Biochar and activated carbon act as promising amendments for promoting the microbial debromination of tetrabromobisphenol A. Water Research, 2018, 128, 102-110.	11.3	48
123	Exposure of Nail Salon Workers to Phthalates, Di(2-ethylhexyl) Terephthalate, and Organophosphate Esters: A Pilot Study. Environmental Science & Technology, 2019, 53, 14630-14637.	10.0	48
124	Developmental toxicity of the PBDE metabolite 6-OH-BDE-47 in zebrafish and the potential role of thyroid receptor Î². Aquatic Toxicology, 2015, 168, 38-47.	4.0	46
125	Characterization of Adipogenic Chemicals in Three Different Cell Culture Systems: Implications for Reproducibility Based on Cell Source and Handling. Scientific Reports, 2017, 7, 42104.	3.3	46
126	Prenatal exposure to organophosphate esters and cognitive development in young children in the Pregnancy, Infection, and Nutrition Study. Environmental Research, 2019, 169, 33-40.	7.5	46

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127	Tris(1,3-dichloro-2-propyl)phosphate Induces Genome-Wide Hypomethylation within Early Zebrafish Embryos. Environmental Science & Technology, 2016, 50, 10255-10263.	10.0	45
128	Do flame retardant chemicals increase the risk for thyroid dysregulation and cancer?. Current Opinion in Oncology, 2017, 29, 7-13.	2.4	45
129	The high-production volume fungicide pyraclostrobin induces triglyceride accumulation associated with mitochondrial dysfunction, and promotes adipocyte differentiation independent of PPARÎ³ activation, in 3T3-L1 cells. Toxicology, 2018, 393, 150-159.	4.2	45
130	Exposure to flame retardant chemicals on commercial airplanes. Environmental Health, 2013, 12, 17.	4.0	44
131	Editorâ€™s Highlight: Transplacental and Lactational Transfer of FiremasterÂ® 550 Components in Dosed Wistar Rats. Toxicological Sciences, 2016, 153, 246-257.	3.1	44
132	Associations between serum levels of polybrominated diphenyl ether (PBDE) flame retardants and environmental and behavioral factors in pregnant women. Journal of Exposure Science and Environmental Epidemiology, 2013, 23, 176-182.	3.9	42
133	Human exposure to flame-retardants is associated with aberrant DNA methylation at imprinted genes in sperm. Environmental Epigenetics, 2017, 3, dvx003.	1.8	42
134	Disruption of Type 2 Iodothyronine Deiodinase Activity in Cultured Human Glial Cells by Polybrominated Diphenyl Ethers. Chemical Research in Toxicology, 2015, 28, 1265-1274.	3.3	41
135	Brominated and organophosphate flame retardants target different neurodevelopmental stages, characterized with embryonic neural stem cells and neuronotypic PC12 cells. Toxicology, 2017, 390, 32-42.	4.2	41
136	EDC IMPACT: Molecular effects of developmental FM 550 exposure in Wistar rat placenta and fetal forebrain. Endocrine Connections, 2018, 7, 305-324.	1.9	41
137	Endocrine-Mediated Mechanisms of Metabolic Disruption and New Approaches to Examine the Public Health Threat. Frontiers in Endocrinology, 2019, 10, 39.	3.5	41
138	Concentrations of per- and polyfluoroalkyl substances (PFAS) in human placental tissues and associations with birth outcomes. Chemosphere, 2022, 295, 133873.	8.2	41
139	Tissue distribution and thyroid hormone effects on mRNA abundance for membrane transporters Mct8, Mct10, and organic anion-transporting polypeptides (Oatps) in a teleost fish. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 167, 77-89.	1.8	39
140	Persisting effects of a PBDE metabolite, 6-OH-BDE-47, on larval and juvenile zebrafish swimming behavior. Neurotoxicology and Teratology, 2015, 52, 119-126.	2.4	39
141	Determination of glucuronide conjugates of hydroxyl triphenyl phosphate (OH-TPHP) metabolites in human urine and its use as a biomarker of TPHP exposure. Chemosphere, 2016, 149, 314-319.	8.2	39
142	Young childrenâ€™s exposure to phenols in the home: Associations between house dust, hand wipes, silicone wristbands, and urinary biomarkers. Environment International, 2021, 147, 106317.	10.0	39
143	Development of an analytical method to quantify PBDEs, OH-BDEs, HBCDs, 2,4,6-TBP, EH-TBB, and BEH-TEBP in human serum. Analytical and Bioanalytical Chemistry, 2016, 408, 2449-2459.	3.7	38
144	Accumulation of Atmospheric and Sedimentary PCBs and Toxaphene in a Lake Michigan Food Web. Environmental Science & Technology, 2001, 35, 3287-3293.	10.0	37

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145	Impacts of Unregulated Novel Brominated Flame Retardants on Human Liver Thyroid Deiodination and Sulfotransferation. Environmental Science & Technology, 2017, 51, 7245-7253.	10.0	37
146	Effects of Prenatal Exposure to a Mixture of Organophosphate Flame Retardants on Placental Gene Expression and Serotonergic Innervation in the Fetal Rat Brain. Toxicological Sciences, 2020, 176, 203-223.	3.1	37
147	Effects of elevated nitrate on endocrine function in Atlantic salmon, Salmo salar. Aquaculture, 2015, 436, 8-12.	3.5	36
148	Dermal uptake and percutaneous penetration of organophosphate esters in a human skin exÂvivo model. Chemosphere, 2018, 197, 185-192.	8.2	36
149	Longer commutes are associated with increased human exposure to tris(1,3-dichloro-2-propyl) phosphate. Environment International, 2020, 136, 105499.	10.0	36
150	Exposure to organophosphate flame retardants in spray polyurethane foam applicators: Role of dermal exposure. Environment International, 2018, 113, 55-65.	10.0	35
151	Estimated Tris(1,3-dichloro-2-propyl) Phosphate Exposure Levels for U.S. Infants Suggest Potential Health Risks. Environmental Science and Technology Letters, 2017, 4, 334-338.	8.7	34
152	The association between urinary concentrations of phosphorous-containing flame retardant metabolites and semen parameters among men from a fertility clinic. International Journal of Hygiene and Environmental Health, 2018, 221, 809-815.	4.3	34
153	Predictors and reproducibility of urinary organophosphate ester metabolite concentrations during pregnancy and associations with birth outcomes in an urban population. Environmental Health, 2020, 19, 55.	4.0	33
154	Species specific differences in the in vitro metabolism of the flame retardant mixture, FiremasterÂ® BZ-54. Aquatic Toxicology, 2012, 124-125, 41-47.	4.0	32
155	The PBDE metabolite 6-OH-BDE 47 affects melanin pigmentation and THRÎ² MRNA expression in the eye of zebrafish embryos. Endocrine Disruptors (Austin, Tex), 2014, 2, e969072.	1.1	32
156	Effect-Directed Analysis of Human Peroxisome Proliferator-Activated Nuclear Receptors (PPARÎ³1) Ligands in Indoor Dust. Environmental Science & Technology, 2015, 49, 10065-10073.	10.0	32
157	Toddlerâ€™s behavior and its impacts on exposure to polybrominated diphenyl ethers. Journal of Exposure Science and Environmental Epidemiology, 2017, 27, 193-197.	3.9	32
158	PBDEs, methoxylated PBDEs and HBCDs in Japanese common squid (Todarodes pacificus) from Korean offshore waters. Marine Pollution Bulletin, 2010, 60, 935-940.	5.0	31
159	Flame Retardant Applications in Camping Tents and Potential Exposure. Environmental Science and Technology Letters, 2014, 1, 152-155.	8.7	31
160	PBDEs Concentrate in the Fetal Portion of the Placenta: Implications for Thyroid Hormone Dysregulation. Endocrinology, 2019, 160, 2748-2758.	2.8	31
161	Sex-specific effects of perinatal FireMasterÂ® 550 (FM 550) exposure on socioemotional behavior in prairie voles. Neurotoxicology and Teratology, 2020, 79, 106840.	2.4	31
162	Does thyroid disruption contribute to the developmental neurotoxicity of chlorpyrifos?. Environmental Toxicology and Pharmacology, 2013, 36, 284-287.	4.0	30

#	Article	IF	Citations
163	PBDE flame retardants. Endocrine Disruptors (Austin, Tex), 2014, 2, e29430.	1.1	30
164	Compound- and Mixture-Specific Differences in Resistance to Polycyclic Aromatic Hydrocarbons and PCB-126 amongFundulus heteroclitusSubpopulations throughout the Elizabeth River Estuary (Virginia, USA). Environmental Science & Technology, 2013, 47, 130905080759003.	10.0	28
165	Organophosphate flame-retardant metabolite concentrations and pregnancy loss among women conceiving with assisted reproductive technology. Fertility and Sterility, 2018, 110, 1137-1144.e1.	1.0	28
166	Characterization of Per- and Polyfluorinated Alkyl Substances Present in Commercial Anti-fog Products and Their In Vitro Adipogenic Activity. Environmental Science & Technology, 2022, 56, 1162-1173.	10.0	28
167	Determining the Ecological Impacts of Organic Contaminants in Biosolids Using a High-Throughput Colorimetric Denitrification Assay: A Case Study with Antimicrobial Agents. Environmental Science & Technology, 2014, 48, 1646-1655.	10.0	27
168	Associations of birth outcomes with maternal polybrominated diphenyl ethers and thyroid hormones during pregnancy. Environment International, 2015, 85, 244-253.	10.0	26
169	Comparative Exposure Assessment Using Silicone Passive Samplers Indicates That Domestic Dogs Are Sentinels To Support Human Health Research. Environmental Science & Technology, 2020, 54, 7409-7419.	10.0	26
170	Urinary biomarkers of flame retardant exposure among collegiate U.S. gymnasts. Environment International, 2016, 94, 362-368.	10.0	25
171	Prevalence of historical and replacement brominated flame retardant chemicals in New York City homes. Emerging Contaminants, 2017, 3, 32-39.	4.9	25
172	A case-control study of exposure to organophosphate flame retardants and risk of thyroid cancer in women. BMC Cancer, 2018, 18, 637.	2.6	25
173	Unconventional oil and gas chemicals and wastewater-impacted water samples promote adipogenesis via PPARÎ³-dependent and independent mechanisms in 3T3-L1 cells. Science of the Total Environment, 2018, 640-641, 1601-1610.	8.0	25
174	Acetate promotes microbial reductive debromination of tetrabromobisphenol A during the startup phase of anaerobic wastewater sludge bioreactors. Science of the Total Environment, 2019, 656, 959-968.	8.0	25
175	Characterization and Adaptation of Anaerobic Sludge Microbial Communities Exposed to Tetrabromobisphenol A. PLoS ONE, 2016, 11, e0157622.	2.5	25
176	Nonionic Ethoxylated Surfactants Induce Adipogenesis in 3T3-L1 Cells. Toxicological Sciences, 2018, 162, 124-136.	3.1	24
177	Flame retardant exposure assessment: findings from a behavioral intervention study. Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 33-48.	3.9	24
178	Silicone wristbands as personal passive sampling devices: Current knowledge, recommendations for use, and future directions. Environment International, 2022, 169, 107339.	10.0	24
179	Rapid method for the measurement of circulating thyroid hormones in low volumes of teleost fish plasma by LC-ESI/MS/MS. Analytical and Bioanalytical Chemistry, 2014, 406, 715-726.	3.7	23
180	Serum perfluoroalkyl acids (PFAAs) and associations with behavioral attributes. Chemosphere, 2017, 184, 687-693.	8.2	22

#	Article	IF	Citations
181	Choice of vehicle affects pyraclostrobin toxicity in mice. Chemosphere, 2019, 218, 501-506.	8.2	22
182	Seasonal Dynamics of PCB and Toxaphene Bioaccumulation within a Lake Michigan Food Web. Journal of Great Lakes Research, 2002, 28, 52-64.	1.9	21
183	Disruption of thyroid hormone sulfotransferase activity by brominated flame retardant chemicals in the human choriocarcinoma placenta cell line, BeWo. Chemosphere, 2018, 197, 81-88.	8.2	21
184	Polybrominated Diphenyl Ethers in American Eels (Anguilla rostrata) from the Delaware River, USA. Bulletin of Environmental Contamination and Toxicology, 2007, 79, 99-103.	2.7	20
185	Genotoxicity in Atlantic killifish (Fundulus heteroclitus) from a PAH-contaminated Superfund site on the Elizabeth River, Virginia. Ecotoxicology, 2011, 20, 1890-1899.	2.4	20
186	Polybrominated diphenyl ether congener, BDE-47, impairs insulin sensitivity in mice with liver-specific Pten deficiency. BMC Obesity, 2015, 2, 3.	3.1	20
187	Exposure to a PBDE/OHâ€BDE mixture alters juvenile zebrafish (Danio rerio) development. Environmental Toxicology and Chemistry, 2017, 36, 36-48.	4.3	20
188	Perinatal exposure to FireMasterÂ® 550 (FM550), brominated or organophosphate flame retardants produces sex and compound specific effects on adult Wistar rat socioemotional behavior. Hormones and Behavior, 2020, 126, 104853.	2.1	20
189	Maternal transfer of environmentally relevant polybrominated diphenyl ethers (PBDEs) produces a diabetic phenotype and disrupts glucoregulatory hormones and hepatic endocannabinoids in adult mouse female offspring. Scientific Reports, 2020, 10, 18102.	3.3	20
190	Legacy of anthropogenic lead in urban soils: Co-occurrence with metal(loids) and fallout radionuclides, isotopic fingerprinting, and in vitro bioaccessibility. Science of the Total Environment, 2022, 806, 151276.	8.0	20
191	Characterizing Flame Retardant Applications and Potential Human Exposure in Backpacking Tents. Environmental Science & Technology, 2016, 50, 5338-5345.	10.0	19
192	The Affinity of Brominated Phenolic Compounds for Human and Zebrafish Thyroid Receptor Î²: Influence of Chemical Structure. Toxicological Sciences, 2018, 163, 226-239.	3.1	19
193	The association of urinary phosphorous-containing flame retardant metabolites and self-reported personal care and household product use among couples seeking fertility treatment. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 107-116.	3.9	19
194	Chemical contaminant exposures assessed using silicone wristbands among occupants in office buildings in the USA, UK, China, and India. Environment International, 2021, 156, 106727.	10.0	19
195	Comparative Assessment of Pesticide Exposures in Domestic Dogs and Their Owners Using Silicone Passive Samplers and Biomonitoring. Environmental Science & Technology, 2022, 56, 1149-1161.	10.0	19
196	BDE 49 and developmental toxicity in zebrafish. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2012, 155, 253-258.	2.6	18
197	A New Perspective on Sustainable Soil Remediationâ€"Case Study Suggests Novel Fungal Genera Could Facilitate in situ Biodegradation of Hazardous Contaminants. Remediation, 2016, 26, 59-72.	2.4	18
198	Thyroid receptor antagonism as a contributory mechanism for adipogenesis induced by environmental mixtures in 3T3-L1 cells. Science of the Total Environment, 2019, 666, 431-444.	8.0	18

#	Article	IF	Citations
199	Exposures to Semivolatile Organic Compounds in Indoor Environments and Associations with the Gut Microbiomes of Children. Environmental Science and Technology Letters, 2021, 8, 73-79.	8.7	18
200	Inhibition of Human Liver Carboxylesterase (hCE1) by Organophosphate Ester Flame Retardants and Plasticizers: Implications for Pharmacotherapy. Toxicological Sciences, 2019, 171, 396-405.	3.1	17
201	Young infantsâ€™ exposure to organophosphate esters: Breast milk as a potential source of exposure. Environment International, 2020, 143, 106009.	10.0	17
202	Ultraviolet treatment and biodegradation of dibenzothiophene: Identification and toxicity of products. Environmental Toxicology and Chemistry, 2010, 29, 2409-2416.	4.3	16
203	Fate of flame retardants and the antimicrobial agent triclosan in planted and unplanted biosolidâ€amended soils. Environmental Toxicology and Chemistry, 2015, 34, 968-976.	4.3	16
204	Prenatal dexamethasone augments the neurobehavioral teratology of chlorpyrifos: Significance for maternal stress and preterm labor. Neurotoxicology and Teratology, 2014, 41, 35-42.	2.4	15
205	Strobilurin fungicides in house dust: is wallboard a source?. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 247-252.	3.9	15
206	Exploring reproductive associations of serum polybrominated diphenyl ether and hydroxylated brominated diphenyl ether concentrations among women undergoing in vitro fertilization. Human Reproduction, 2020, 35, 1199-1210.	0.9	15
207	Characterization of adipogenic, PPARÎ³, and TRÎ² activities in house dust extracts and their associations with organic contaminants. Science of the Total Environment, 2021, 758, 143707.	8.0	15
208	Chemical Mixtures Isolated from House Dust Disrupt Thyroid Receptor Î² Signaling. Environmental Science & Technology, 2018, 52, 11857-11864.	10.0	14
209	Thyroid Receptor Antagonism of Chemicals Extracted from Personal Silicone Wristbands within a Papillary Thyroid Cancer Pilot Study. Environmental Science & Technology, 2020, 54, 15296-15312.	10.0	14
210	In Vitro Metabolism of Isopropylated and tert-Butylated Triarylphosphate Esters Using Human Liver Subcellular Fractions. Chemical Research in Toxicology, 2020, 33, 1428-1441.	3.3	14
211	Monitoring Human Exposure to Organophosphate Esters: Comparing Silicone Wristbands with Spot Urine Samples as Predictors of Internal Dose. Environmental Science and Technology Letters, 2021, 8, 805-810.	8.7	14
212	Reproducibility of adipogenic responses to metabolism disrupting chemicals in the 3T3-L1 pre-adipocyte model system: An interlaboratory study. Toxicology, 2021, 461, 152900.	4.2	14
213	Characterizing firefighter's exposure to over 130 SVOCs using silicone wristbands: A pilot study comparing on-duty and off-duty exposures. Science of the Total Environment, 2022, 834, 155237.	8.0	14
214	Influence of storage vial material on measurement of organophosphate flame retardant metabolites in urine. Chemosphere, 2017, 181, 440-446.	8.2	13
215	Certification of SRM 1589a PCBs, pesticides, PBDEs, and dioxins/furans in human serum. Analytical and Bioanalytical Chemistry, 2007, 389, 1201-1208.	3.7	12
216	Biotransformation of HBCD in Biological Systems Can Confound Temporal-Trend Studies. Environmental Science & Technology, 2011, 45, 364-365.	10.0	12

#	Article	IF	Citations
217	Persistent autism-relevant behavioral phenotype and social neuropeptide alterations in female mice offspring induced by maternal transfer of PBDE congeners in the commercial mixture DE-71. Archives of Toxicology, 2022, 96, 335-365.	4.2	12
218	Evaluating maternal exposure to an environmental per and polyfluoroalkyl substances (PFAS) mixture during pregnancy: Adverse maternal and fetoplacental effects in a New Zealand White (NZW) rabbit model. Science of the Total Environment, 2022, 838, 156499.	8.0	12
219	Why Indoor Chemistry Matters: A National Academies Consensus Report. Environmental Science & Technology, 2022, 56, 10560-10563.	10.0	12
220	Towards establishing indicative values for metabolites of organophosphate ester contaminants in human urine. Chemosphere, 2019, 236, 124348.	8.2	10
221	Sex-specific Disruption of the Prairie Vole Hypothalamus by Developmental Exposure to a Flame Retardant Mixture. Endocrinology, 2021, 162, .	2.8	9
222	Evaluation and Integration of Geochemical Indicators for Detecting Trace Levels of Coal Fly Ash in Soils. Environmental Science & Technology, 2021, 55, 10387-10397.	10.0	8
223	Science Should Guide TSCA Reform. Environmental Science & Technology, 2013, 47, 8995-8996.	10.0	7
224	Response to Comment on â€œAlternate and New Brominated Flame Retardants Detected in U.S. House Dustâ€• Environmental Science & Technology, 2008, 42, 9455-9456.	10.0	6
225	Detection of halogenated flame retardants in polyurethane foam by particle induced X-ray emission. Nuclear Instruments & Methods in Physics Research B, 2015, 358, 21-25.	1.4	6
226	Comment on â€œMutagenic Azo Dyes, Rather Than Flame Retardants, Are the Predominant Brominated Compounds in House Dustâ€• Environmental Science & Technology, 2017, 51, 3588-3590.	10.0	6
227	Exposure to Polybrominated Diphenyl Ethers in the Indoor Environment. Fire Technology, 2015, 51, 85-95.	3.0	5
228	Reconsidering an Appropriate Urinary Biomarker for Flame Retardant Tris(1-chloro-2-propyl) Phosphate (TCIPP) Exposure in Children. Environmental Science and Technology Letters, 2021, 8, 80-85.	8.7	5
229	Assess flame retardants with careâ€”Response. Science, 2019, 365, 993-993.	12.6	4
230	Reproductive outcomes associated with flame retardants among couples seeking fertility treatment: A paternal perspective. Environmental Research, 2021, 192, 110226.	7.5	4
231	Trophic transfer of polybrominated diphenyl ethers and polychlorinated biphenyls in a tidal freshwater marsh. Chemistry and Ecology, 2012, 28, 305-325.	1.6	3
232	Using laboratory-generated biosolids to evaluate the microbial ecotoxicity of triclosan in a simulated land application scenario. Environmental Science and Pollution Research, 2018, 25, 11084-11099.	5.3	3
233	Intervention to reduce gymnast exposure to flame retardants from pit foam: A case study. Environment International, 2019, 127, 868-875.	10.0	3
234	Infants' diminished response to DTaP vaccine is associated with exposure to organophosphate esters. Science of the Total Environment, 2022, 837, 155782.	8.0	3

#	Article	IF	Citations
235	Partial dust removal in vehicles does not mitigate human exposure to organophosphate esters. Environmental Research, 2022, 205, 112525.	7.5	2
236	Exposure to Polybrominated Diphenyl Ethers in Indoor Environments. Epidemiology, 2011, 22, S117.	2.7	1
237	Response to Comment on â€œDetermining the Ecological Impacts of Organic Contaminants in Biosolids Using a High-Throughput Colorimetric Denitrification Assay: A Case Study with Antimicrobial Agentsâ€. Environmental Science & Technology, 2014, 48, 12470-12471.	10.0	1
238	Establishment of baseline cytology metrics in nestling American kestrels (Falco sparverius): Immunomodulatory effects of the flame retardant isopropylated triarylphosphate isomers. Environment International, 2021, 157, 106779.	10.0	1
239	Analysis of thyroid hormones in serum by liquid chromatography-tandem mass spectrometry. , 2010, 397, 1831.		1
240	Rapid method for the measurement of circulating thyroid hormones in low volumes of teleost fish plasma by LC-ESI/MS/MS. , 2014, 406, 715.		1
241	Endocrine Disrupting Activities of Unconventional Oil and Gas Operations. ISEE Conference Abstracts, 2018, 2018, .	0.0	1
242	Response to â€œComment on â€™Photodegradation Pathways of Nonabrominated Diphenyl Ethers, 2-Ethylhexyltetrabromobenzoate, and Di(2-ethylhexyl)tetrabromophthalate: Identifying Potential Markers of Photodegradationâ€™â€. Environmental Science & Technology, 2009, 43, 7994-7994.	10.0	0
243	Human Exposure Assessment of Indoor Dust: Webster and Stapleton Respond. Environmental Health Perspectives, 2013, 121, A110-1.	6.0	0
244	Relationships Between Brominated Flame Retardant Concentrations in House Dust and Serum Hormone Levels in Men. Epidemiology, 2009, 20, S162-S163.	2.7	0
245	Flame-Retardants' Effect on Hormone Levels and Semen Quality. , 2013, , 45-61.		0
246	Sexâ€Dependent Metabolic Syndrome Phenotype Produced By Developmental Exposure to Indoor Flame Retardants. FASEB Journal, 2020, 34, 1-1.	0.5	0