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## High Levels of Organophosphate Flame Retardants in the Great Lakes Atmosphere

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#	Paper	IF	Citations
194	Spatial and Temporal Distributions of Organophosphate Ester Concentrations from Atmospheric Particulate Matter Samples Collected across Houston, TX.		
193	Rapid in vitro metabolism of the flame retardant triphenyl phosphate and effects on cytotoxicity and mRNA expression in chicken embryonic hepatocytes. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 13511-9	10.3	138
192	Liquid chromatography-electrospray-tandem mass spectrometry method for determination of organophosphate diesters in biotic samples including Great Lakes herring gull plasma. <b>2014</b> , 1374, 85-92		39
191	Flame retardant transfers from U.S. households (dust and laundry wastewater) to the aquatic environment. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 11575-83	10.3	189
190	Organophosphate and halogenated flame retardants in atmospheric particles from a European Arctic site. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 6133-40	10.3	205
189	Determination of Vapor Pressures for Organophosphate Esters. <b>2014</b> , 59, 1441-1447		26
188	Concentrations in air of organobromine, organochlorine and organophosphate flame retardants in Toronto, Canada. <b>2014</b> , 99, 140-147		86
187	Organophosphate ester (OPE) flame retardants and plasticizers in the open Mediterranean and Black Seas atmosphere. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 3203-9	10.3	107
186	Metabolites of organophosphate flame retardants and 2-ethylhexyl tetrabromobenzoate in urine from paired mothers and toddlers. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 10432-8	10.3	223
185	Comparative body compartment composition and in ovo transfer of organophosphate flame retardants in North American Great Lakes herring gulls. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 7942-50	10.3	139
184	Organophosphate flame retardants and organosiloxanes in predatory freshwater fish from locations across Canada. <i>Environmental Pollution</i> , <b>2014</b> , 193, 254-261	9.3	85
183	Flame retardants and legacy chemicals in Great LakesPwater. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 9563-72	10.3	119
182	OH-initiated heterogeneous oxidation of tris-2-butoxyethyl phosphate: implications for its fate in the atmosphere. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 12195-12207	6.8	16
181	Determination of organophosphate esters in water samples by mixed-mode liquid chromatography and tandem mass spectrometry. <b>2015</b> , 38, 2193-200		17
180	Atmospheric Deposition of POPs. <i>Comprehensive Analytical Chemistry</i> , <b>2015</b> , 295-322	1.9	12
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178	Indoor air condensate as a novel matrix for monitoring inhalable organic contaminants. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 288, 89-96	12.8	5

177	Locating POPs Sources with Tree Bark. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13743-8	10.3	22
176	Occurrence and dry deposition of organophosphate esters in atmospheric particles over the northern South China Sea. <i>Chemosphere</i> , <b>2015</b> , 127, 195-200	8.4	76
175	Investigating endocrine and physiological parameters of captive American kestrels exposed by diet to selected organophosphate flame retardants. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 7448-55	10.3	51
174	Halogenated flame retardants in the Great Lakes environment. <b>2015</b> , 48, 1853-61		64
173	Occurrence and spatial distribution of organophosphate ester flame retardants and plasticizers in 40 rivers draining into the Bohai Sea, north China. <i>Environmental Pollution</i> , <b>2015</b> , 198, 172-8	9.3	227
172	In Vitro Metabolism of the Flame Retardant Triphenyl Phosphate in Chicken Embryonic Hepatocytes and the Importance of the Hydroxylation Pathway. <i>Environmental Science and Technology Letters</i> , <b>2015</b> , 2, 100-104	11	71
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170	Thermal degradation of phosphorus esters derived from isosorbide and 10-undecenoic acid. <b>2015</b> , 121, 411-419		14
169	Phosphorus Flame Retardants from Esters of Isosorbide and 10-Undecenoic Acid. <b>2015</b> , 339-367		9
168	Spatial and temporal comparisons of legacy and emerging flame retardants in herring gull eggs from colonies spanning the Laurentian Great Lakes of Canada and United States. <i>Environmental Research</i> , <b>2015</b> , 142, 720-30	7.9	60
167	Occurrence and risk assessment of organophosphate esters in drinking water from Eastern China. <i>Science of the Total Environment</i> , <b>2015</b> , 538, 959-65	10.2	102
166	Synthesis of phosphorus-containing flame-retardant antistatic copolymers and their applications in polypropylene. <b>2015</b> , 132, n/a-n/a		2
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164	Spatial and Temporal Trends of Particle Phase Organophosphate Ester Concentrations in the Atmosphere of the Great Lakes. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 13249-13255	10.3	45
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162	Effects of tris (2-butoxyethyl) phosphate (TBOEP) on endocrine axes during development of early life stages of zebrafish ( <i>Danio rerio</i> ). <i>Chemosphere</i> , <b>2016</b> , 144, 1920-7	8.4	38
161	Distribution of Organophosphate Esters between the Gas and Particle Phase-Model Predictions vs Measured Data. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 6644-51	10.3	72
160	Atmospheric occurrence and fate of organophosphorus flame retardants and plasticizer at the German coast. <b>2016</b> , 137, 1-5		43

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158	Atmospheric chemical reactions of alternatives of polybrominated diphenyl ethers initiated by OH: A case study on triphenyl phosphate. <i>Science of the Total Environment</i> , <b>2016</b> , 571, 1105-14	10.2	22
157	Occurrence and Concentrations of Halogenated Flame Retardants in the Atmospheric Fine Particles in Chinese Cities. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9846-54	10.3	81
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155	Retrospective analysis of organophosphate flame retardants in herring gull eggs and relation to the aquatic food web in the Laurentian Great Lakes of North America. <i>Environmental Research</i> , <b>2016</b> , 150, 255-263	7.9	69
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152	Occurrence of triphenylphosphine oxide and other organophosphorus compounds in indoor air and settled dust of an institute building. <b>2016</b> , 106, 196-204		18
151	Are some "safer alternatives" hazardous as PBTs? The case study of new flame retardants. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 306, 237-246	12.8	44
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149	Occurrence and distribution of organophosphate triesters and diesters in sludge from sewage treatment plants of Beijing, China. <i>Science of the Total Environment</i> , <b>2016</b> , 544, 143-9	10.2	55
148	Occurrence, distribution and seasonal variation of organophosphate flame retardants and plasticizers in urban surface water in Beijing, China. <i>Environmental Pollution</i> , <b>2016</b> , 209, 1-10	9.3	145
147	Determination of glucuronide conjugates of hydroxyl triphenyl phosphate (OH-TPHP) metabolites in human urine and its use as a biomarker of TPHP exposure. <i>Chemosphere</i> , <b>2016</b> , 149, 314-9	8.4	32
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143	Size-dependent atmospheric deposition and inhalation exposure of particle-bound organophosphate flame retardants. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 301, 504-11	12.8	62
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139	Organophosphate Esters in Sediment of the Great Lakes. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 1441-1449	10.3	107
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137	Organophosphate Esters in Air, Snow, and Seawater in the North Atlantic and the Arctic. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 6887-6896	10.3	94
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100	Matrix solid-phase dispersion coupled with gas chromatography-tandem mass spectrometry for simultaneous determination of 13 organophosphate esters in vegetables. <b>2018</b> , 410, 7077-7084		10
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96	Atmospheric particle-bound organophosphate ester flame retardants and plasticizers in a North African Mediterranean coastal city (Bizerte, Tunisia). <i>Science of the Total Environment</i> , <b>2018</b> , 642, 383-393	10.2	25
95	Occurrence, distribution and risk of organophosphate esters in urban road dust in Beijing, China. <i>Environmental Pollution</i> , <b>2018</b> , 241, 566-575	9.3	51
94	Enhanced degradation of triphenyl phosphate (TPHP) in bioelectrochemical systems: Kinetics, pathway and degradation mechanisms. <i>Environmental Pollution</i> , <b>2019</b> , 254, 113040	9.3	20
93	Solvent demulsification-dispersive liquid-liquid microextraction based on solidification of floating organic drop coupled with ultra-high-performance liquid chromatography-tandem mass spectrometry for simultaneous determination of 13 organophosphate esters in aqueous samples. <i>Scientific Reports</i> , <b>2019</b> , 9, 11292	4.9	7
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91	Characterization and 16S metagenomic analysis of organophosphorus flame retardants degrading consortia. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 380, 120881	12.8	22
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82	Concentrations, sources and human exposure implications of organophosphate esters in indoor dust from South Africa. <i>Chemosphere</i> , <b>2019</b> , 230, 239-247	8.4	17
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75	Experimental Study of OH-Initiated Heterogeneous Oxidation of Organophosphate Flame Retardants: Kinetics, Mechanism, and Toxicity. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 14398-14408	10.3	16
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69	Determination of HFRs and OPFRs in PM by ultrasonic-assisted extraction combined with multi-segment column purification and GC-MS/MS. <i>Talanta</i> , <b>2019</b> , 194, 320-328	6.2	12
68	Organophosphate esters in biota, water, and air from an agricultural area of Chongqing, western China: Concentrations, composition profiles, partition and human exposure. <i>Environmental Pollution</i> , <b>2019</b> , 244, 388-397	9.3	32
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45	Novel toxicity of tris(1,3-dichloro-2-propyl) phosphate in adult male rats. <i>Journal of Applied Toxicology</i> , <b>2021</b> , 41, 987-992	4.1	1
44	. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	1
43	A comparison of developmental toxicity of brominated and halogen-free flame retardant on zebrafish. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 208, 111745	7	8
42	Occurrence, Distribution, and Fate of Emerging Persistent Organic Pollutants in the Environment. <b>2021</b> , 1-69		1
41	Spatial and temporal variations of halogenated flame retardants and organophosphate esters in landfill air: Potential linkages with gull exposure. <i>Environmental Pollution</i> , <b>2021</b> , 271, 116396	9.3	3
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37	A review of environmental occurrence, analysis, bioaccumulation, and toxicity of organophosphate esters. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 49507-49528	5.1	6
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26	Organophosphate esters in Great Lakes fish: An improved analysis to assess concentrations and human exposure via consumption. <i>Science of the Total Environment</i> , <b>2021</b> , 150981	10.2	0
25	OH initiated heterogeneous oxidation of tris-2-butoxyethyl phosphate: implications for its fate in the atmosphere.		
24	Atmospheric Autoxidation of Organophosphate Esters. <i>Environmental Science &amp; Technology</i> , <b>2021</b> ,	10.3	2
23	A Natural Environmental Chamber Study on the Emissions and Fate of Organophosphate Esters in the Indoor Environment. <i>SSRN Electronic Journal</i> ,	1	
22	The utility of X-Ray fluorescence spectrometry as a tool for monitoring compliance with limits on concentrations of halogenated flame retardants in waste polymers: A critical review. <i>Emerging Contaminants</i> , <b>2022</b> , 8, 9-20	5.8	0
21	Gas-particle partition and size-segregated distribution of flame retardants in indoor and outdoor air: Reevaluation on the role of fine particles in human exposure.. <i>Chemosphere</i> , <b>2021</b> , 133414	8.4	1
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7	Accumulations and equilibrium conditions of organophosphate esters (OPEs) in the indoor window film and the estimation of concentrations in air. <b>2022</b> , 848, 157724		0
6	Comprehensive assessment of the ecological risk of exposure to triphenyl phosphate in a bioindicator tadpole. <b>2022</b> , 308, 136242		0
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4	Bioaccumulation of organophosphorus flame retardants in marine organisms in Liaodong Bay and their potential ecological risks based on species sensitivity distribution. <b>2023</b> , 317, 120812		0
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