

Matt F Simcik

List of Publications by Year in descending order

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37
papers

3,977
citations

201674

27
h-index

345221

36
g-index

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all docs

37
docs citations

37
times ranked

3777
citing authors

#	ARTICLE	IF	CITATIONS
1	Source apportionment and source/sink relationships of PAHs in the coastal atmosphere of Chicago and Lake Michigan. <i>Atmospheric Environment</i> , 1999, 33, 5071-5079.	4.1	759
2	The Adsorption of Perfluorooctane Sulfonate onto Sand, Clay, and Iron Oxide Surfaces. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 1165-1170.	1.9	290
3	Gas-Particle Partitioning of PCBs and PAHs in the Chicago Urban and Adjacent Coastal Atmosphere: States of Equilibrium. <i>Environmental Science & Technology</i> , 1998, 32, 251-257.	10.0	278
4	Perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in soils and groundwater of a U.S. metropolitan area: Migration and implications for human exposure. <i>Water Research</i> , 2015, 72, 64-74.	11.3	244
5	Urban Contamination of the Chicago/Coastal Lake Michigan Atmosphere by PCBs and PAHs during AEOLUS. <i>Environmental Science & Technology</i> , 1997, 31, 2141-2147.	10.0	213
6	Peer Reviewed: Analytical Challenges Hamper Perfluoroalkyl Research. <i>Environmental Science & Technology</i> , 2004, 38, 248A-255A.	10.0	201
7	Mechanisms for removal of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) from drinking water by conventional and enhanced coagulation. <i>Water Research</i> , 2013, 47, 49-56.	11.3	180
8	Effects of Monovalent Cations on the Competitive Adsorption of Perfluoroalkyl Acids by Kaolinite: Experimental Studies and Modeling. <i>Environmental Science & Technology</i> , 2011, 45, 10028-10035.	10.0	172
9	Atmospheric Loading of Polycyclic Aromatic Hydrocarbons to Lake Michigan as Recorded in the Sediments. <i>Environmental Science & Technology</i> , 1996, 30, 3039-3046.	10.0	171
10	Partitioning and Bioaccumulation of PBDEs and PCBs in Lake Michigan. <i>Environmental Science & Technology</i> , 2006, 40, 7263-7269.	10.0	171
11	Ratio of Perfluorochemical Concentrations as a Tracer of Atmospheric Deposition to Surface Waters. <i>Environmental Science & Technology</i> , 2005, 39, 8678-8683.	10.0	155
12	Input characterization of perfluoroalkyl substances in wastewater treatment plants: Source discrimination by exploratory data analysis. <i>Water Research</i> , 2012, 46, 3101-3109.	11.3	137
13	Occurrence and fate of the herbicide glyphosate and its degradate aminomethylphosphonic acid in the atmosphere. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 548-555.	4.3	117
14	Temperature Dependence and Temporal Trends of Polychlorinated Biphenyl Congeners in the Great Lakes Atmosphere. <i>Environmental Science & Technology</i> , 1999, 33, 1991-1995.	10.0	112
15	Atmospheric Deposition of Toxic Pollutants to the Great Lakes As Measured by the Integrated Atmospheric Deposition Network. <i>Environmental Science & Technology</i> , 1998, 32, 2216-2221.	10.0	109
16	Perfluoroalkyl acids in urban stormwater runoff: Influence of land use. <i>Water Research</i> , 2012, 46, 6601-6608.	11.3	88
17	Partitioning and Accumulation of Perfluoroalkyl Substances in Model Lipid Bilayers and Bacteria. <i>Environmental Science & Technology</i> , 2018, 52, 10433-10440.	10.0	74
18	Temporal Trends of Semivolatile Organic Contaminants in Great Lakes Precipitation. <i>Environmental Science & Technology</i> , 2000, 34, 361-367.	10.0	53

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19	Personal and indoor exposure to PM _{2.5} and polycyclic aromatic hydrocarbons in the southern highlands of Tanzania: a pilot-scale study. <i>Environmental Monitoring and Assessment</i> , 2011, 180, 461-476.	2.7	49
20	Application of a comprehensive extraction technique for the determination of poly- and perfluoroalkyl substances (PFASs) in Great Lakes Region sediments. <i>Chemosphere</i> , 2016, 164, 535-546.	8.2	45
21	The importance of surface adsorption on the washout of semivolatile organic compounds by rain. <i>Atmospheric Environment</i> , 2004, 38, 491-501.	4.1	40
22	Global occurrence and probabilistic environmental health hazard assessment of per- and polyfluoroalkyl substances (PFASs) in groundwater and surface waters. <i>Science of the Total Environment</i> , 2022, 816, 151535.	8.0	40
23	Perfluoroalkyl Substances Increase the Membrane Permeability and Quorum Sensing Response in <i>Aliivibrio fischeri</i> . <i>Environmental Science and Technology Letters</i> , 2018, 5, 26-31.	8.7	34
24	8:8 Perfluoroalkyl phosphinic acid affects neurobehavioral development, thyroid disruption, and DNA methylation in developing zebrafish. <i>Science of the Total Environment</i> , 2020, 736, 139600.	8.0	34
25	In Situ Sequestration of Perfluoroalkyl Substances Using Polymer-Stabilized Powdered Activated Carbon. <i>Environmental Science & Technology</i> , 2020, 54, 6929-6936.	10.0	34
26	Enhanced adsorption of perfluoroalkyl substances for <i>in situ</i> remediation. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1867-1875.	2.4	30
27	In Situ Remediation Method for Enhanced Sorption of Perfluoro-Alkyl Substances onto Ottawa Sand. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, .	1.4	28
28	The Subacute Toxicity of Perfluorooctane Sulfonate and/or Perfluorooctanoic Acid and Legacy Aqueous Film-Forming Foams to Japanese Quail (<i>Coturnix japonica</i>) Chicks. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 695-710.	4.3	24
29	The impact of urban areas on the deposition of air toxics to adjacent surface waters: A mass budget of PCBs in Lake Michigan in 1994. <i>Aquatic Sciences</i> , 2005, 67, 79-85.	1.5	19
30	Aquatic Processes and Systems in Perspective Global transport and fate of perfluorochemicals. <i>Journal of Environmental Monitoring</i> , 2005, 7, 759.	2.1	17
31	Enhanced Removal of Hydrophobic Organic Contaminants by Settling Sediments in Western Lake Superior. <i>Journal of Great Lakes Research</i> , 2003, 29, 41-53.	1.9	11
32	Aqueous film forming foam and associated perfluoroalkyl substances inhibit methane production and Co-contaminant degradation in an anaerobic microbial community. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1915-1925.	3.5	11
33	Remediation of Perfluorooctylsulfonate Contamination by <i>in situ</i> Sequestration: Direct Monitoring of PFOS Binding to Polyquaternium Polymers. <i>ACS Omega</i> , 2019, 4, 1068-1076.	3.5	9
34	Polycyclic Aromatic Hydrocarbons in the Great Lakes. , 0, , 307-353.		8
35	Partitioning Characteristics of Perfluorooctane Sulfonate Between Water and Foods. <i>Archives of Environmental Contamination and Toxicology</i> , 2012, 62, 42-48.	4.1	8
36	Dietary Exposure of Japanese Quail (<i>Coturnix japonica</i>) to Perfluorooctane Sulfonate (PFOS) and a Legacy Aqueous Film-Forming Foam (AFFF) Containing PFOS: Effects on Reproduction and Chick Survivability and Growth. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2521-2537.	4.3	7

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37	Air monitoring of persistent organic pollutants in the Great Lakes: IADN vs. AEOLOS. Environmental Monitoring and Assessment, 2005, 100, 201-216.	2.7	5