

William A Arnold

List of Publications by Year in descending order

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173
papers

10,301
citations

31976

53
h-index

36028

97
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177
all docs

177
docs citations

177
times ranked

8844
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic oxidative growth of goethite-coated sand particles in column reactors during 4-chloronitrobenzene reduction by Fe(II)/goethite. <i>Environmental Science: Nano</i> , 2022, 9, 275-288.	4.3	3
2	Back to Campus and Looking Forward for AEESP. <i>Environmental Engineering Science</i> , 2022, 39, 1-2.	1.6	0
3	Encapsulation technology for decentralized brewery wastewater treatment: A small pilot experiment. <i>Bioresource Technology</i> , 2022, 347, 126435.	9.6	4
4	Tracking Fluorine during Aqueous Photolysis and Advanced UV Treatment of Fluorinated Phenols and Pharmaceuticals Using a Combined ¹⁹ F-NMR, Chromatography, and Mass Spectrometry Approach. <i>ACS Environmental Au</i> , 2022, 2, 242-252.	7.0	9
5	Seeking Balance. <i>Environmental Engineering Science</i> , 2022, 39, 195-196.	1.6	0
6	Organic Matter Inhibits Redox Activity and Impacts Heterogeneous Growth of Iron (Oxyhydr)oxides on Nano-Hematite. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 847-860.	2.7	2
7	Identifying the spatiotemporal vulnerability of soils to antimicrobial contamination through land application of animal manure in Minnesota, United States. <i>Science of the Total Environment</i> , 2022, 832, 155050.	8.0	8
8	Encapsulation technology to improve biological resource recovery: recent advancements and research opportunities. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 16-23.	2.4	6
9	Photolysis of atrazine: Role of triplet dissolved organic matter and limitations of sensitizers and quenchers. <i>Water Research</i> , 2021, 190, 116659.	11.3	32
10	Neonicotinoid Insecticides in Surface Water, Groundwater, and Wastewater Across Land Use Gradients and Potential Effects. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1017-1033.	4.3	38
11	Iron filings application to reduce lake sediment phosphorus release. <i>Lake and Reservoir Management</i> , 2021, 37, 143-159.	1.3	5
12	<i>Environmental Science & Technology Letters</i> Presents the 2020 Excellence in Review Awards. <i>Environmental Science and Technology Letters</i> , 2021, 8, 198-198.	8.7	0
13	Quantity, Quality, and Accessibility: Big Data Collection, Analysis, and Synthesis in Environmental Science and Technology. <i>Environmental Science and Technology Letters</i> , 2021, 8, 287-288.	8.7	3
14	Exploring the Utility of Compound-Specific Isotope Analysis for Assessing Ferrous Iron-Mediated Reduction of RDX in the Subsurface. <i>Environmental Science & Technology</i> , 2021, 55, 6752-6763.	10.0	10
15	Kinetics and Pathways of the Aqueous Photolysis of Pharmaceutical Pollutants: A Versatile Laboratory or Remote Learning Investigation. <i>Journal of Chemical Education</i> , 2021, 98, 2411-2418.	2.3	4
16	COVID-19 and Beyond: Our Selections for the Best ES&T Letters Papers in 2020. <i>Environmental Science and Technology Letters</i> , 2021, 8, 604-605.	8.7	0
17	Ice Cover Influences Redox Dynamics in Prairie Pothole Wetland Sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006318.	3.0	2
18	Quantifying and predicting antimicrobials and antimicrobial resistance genes in waterbodies through a holistic approach: a study in Minnesota, United States. <i>Scientific Reports</i> , 2021, 11, 18747.	3.3	7

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19	Metabolite composition of sinking particles differs from surface suspended particles across a latitudinal transect in the South Atlantic. <i>Limnology and Oceanography</i> , 2020, 65, 111-127.	3.1	39
20	Our Selections for the Best ES&T Letters Papers of 2019. <i>Environmental Science and Technology Letters</i> , 2020, 7, 358-359.	8.7	0
21	Characterization of Antibiotic Resistance and Metal Homeostasis Genes in Midwest USA Agricultural Sediments. <i>Water (Switzerland)</i> , 2020, 12, 2476.	2.7	2
22	Prediction of Photochemically Produced Reactive Intermediates in Surface Waters via Satellite Remote Sensing. <i>Environmental Science & Technology</i> , 2020, 54, 6671-6681.	10.0	38
23	In Situ Sequestration of Perfluoroalkyl Substances Using Polymer-Stabilized Powdered Activated Carbon. <i>Environmental Science & Technology</i> , 2020, 54, 6929-6936.	10.0	34
24	Increased Use of Quaternary Ammonium Compounds during the SARS-CoV-2 Pandemic and Beyond: Consideration of Environmental Implications. <i>Environmental Science and Technology Letters</i> , 2020, 7, 622-631.	8.7	236
25	Comprehensive screening of quaternary ammonium surfactants and ionic liquids in wastewater effluents and lake sediments. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 430-441.	3.5	48
26	Determination of Hydroxyl Radical Production from Sulfide Oxidation Relevant to Sulfidic Porewaters. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 261-271.	2.7	12
27	Assessment of 2,4-Dinitroanisole Transformation Using Compound-Specific Isotope Analysis after <i>In Situ</i> Chemical Reduction of Iron Oxides. <i>Environmental Science & Technology</i> , 2020, 54, 5520-5531.	10.0	17
28	Photochemical fate of quaternary ammonium compounds in river water. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1368-1381.	3.5	18
29	Effects of encapsulation on the chemical inhibition of anaerobic hydrogen- and methane-producing microbial cells. <i>Bioresource Technology Reports</i> , 2020, 11, 100451.	2.7	8
30	Quantitative Dissolution of Environmentally Accessible Iron Residing in Iron-Rich Minerals: A Review. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1371-1392.	2.7	25
31	Assessment of the chlorine demand and disinfection byproduct formation potential of surface waters via satellite remote sensing. <i>Water Research</i> , 2019, 165, 115001.	11.3	15
32	Efficient Water Pollution Abatement. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 22483-22487.	3.7	7
33	Modeling alginate encapsulation system for biological hydrogen production. <i>Biotechnology and Bioengineering</i> , 2019, 116, 3189-3199.	3.3	4
34	Enhanced adsorption of perfluoro alkyl substances for <i>in situ</i> remediation. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1867-1875.	2.4	30
35	Mineral identity, natural organic matter, and repeated contaminant exposures do not affect the carbon and nitrogen isotope fractionation of 2,4-dinitroanisole during abiotic reduction. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 51-62.	3.5	4
36	Photodegradation of pharmaceutical compounds in partially nitrated wastewater during UV irradiation. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 897-909.	2.4	21

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37	Quantifying photo-production of triplet excited states and singlet oxygen from effluent organic matter. <i>Water Research</i> , 2019, 156, 23-33.	11.3	53
38	Iron influence on dissolved color in lakes of the Upper Great Lakes States. <i>PLoS ONE</i> , 2019, 14, e0211979.	2.5	14
39	Editor's Choice for the Best Papers Published in ES&T Letters in 2018. <i>Environmental Science and Technology Letters</i> , 2019, 6, 197-198.	8.7	0
40	Color, chlorophyll <i>a</i> , and suspended solids effects on Secchi depth in lakes: implications for trophic state assessment. <i>Ecological Applications</i> , 2019, 29, e01871.	3.8	50
41	Awards for the Best Papers in ES&T Letters in 2017!. <i>Environmental Science and Technology Letters</i> , 2018, 5, 194-195.	8.7	0
42	Sedimentary record of antibiotic accumulation in Minnesota Lakes. <i>Science of the Total Environment</i> , 2018, 621, 970-979.	8.0	39
43	High Pressure Size Exclusion Chromatography (HPSEC) Determination of Dissolved Organic Matter Molecular Weight Revisited: Accounting for Changes in Stationary Phases, Analytical Standards, and Isolation Methods. <i>Environmental Science & Technology</i> , 2018, 52, 722-730.	10.0	33
44	Multiple linear regression models to predict the formation efficiency of triplet excited states of dissolved organic matter in temperate wetlands. <i>Limnology and Oceanography</i> , 2018, 63, 1992-2014.	3.1	18
45	Redox-induced nucleation and growth of goethite on synthetic hematite nanoparticles. <i>American Mineralogist</i> , 2018, 103, 1021-1029.	1.9	13
46	Mineralogy and buffer identity effects on RDX kinetics and intermediates during reaction with natural and synthetic magnetite. <i>Chemosphere</i> , 2018, 213, 602-609.	8.2	5
47	The relative roles of sorption and biodegradation in the removal of contaminants of emerging concern (CECs) in GAC-sand biofilters. <i>Water Research</i> , 2018, 146, 67-76.	11.3	36
48	Neonicotinoid insecticide hydrolysis and photolysis: Rates and residual toxicity. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2797-2809.	4.3	68
49	PFOA and PFOS Are Generated from Zwitterionic and Cationic Precursor Compounds During Water Disinfection with Chlorine or Ozone. <i>Environmental Science and Technology Letters</i> , 2018, 5, 382-388.	8.7	71
50	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
51	Small and large-scale distribution of four classes of antibiotics in sediment: association with metals and antibiotic resistance genes. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1167-1179.	3.5	15
52	Singlet Oxygen Phosphorescence as a Probe for Triplet-State Dissolved Organic Matter Reactivity. <i>Environmental Science & Technology</i> , 2018, 52, 9170-9178.	10.0	82
53	Achieving high-rate hydrogen recovery from wastewater using customizable alginate polymer gel matrices encapsulating biomass. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1867-1876.	2.4	11
54	Reaction rates and product formation during advanced oxidation of ionic liquid cations by UV/peroxide, UV/persulfate, and UV/chlorine. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1310-1320.	2.4	13

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55	Effect of nonreactive kaolinite on 4-chloronitrobenzene reduction by Fe(II) in goethite-kaolinite heterogeneous suspensions. <i>Environmental Science: Nano</i> , 2017, 4, 325-334.	4.3	13
56	The Best of the Best in 2016!. <i>Environmental Science and Technology Letters</i> , 2017, 4, 125-126.	8.7	0
57	Quantifying the electron donating capacities of sulfide and dissolved organic matter in sediment pore waters of wetlands. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 758-767.	3.5	16
58	QSARs for phenols and phenolates: oxidation potential as a predictor of reaction rate constants with photochemically produced oxidants. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 324-338.	3.5	44
59	Photochemical Transformation of Four Ionic Liquid Cation Structures in Aqueous Solution. <i>Environmental Science & Technology</i> , 2017, 51, 11780-11787.	10.0	18
60	Reactivity of Triplet Excited States of Dissolved Natural Organic Matter in Stormflow from Mixed-Use Watersheds. <i>Environmental Science & Technology</i> , 2017, 51, 9718-9728.	10.0	57
61	Accessible reactive surface area and abiotic redox reactivity of iron oxyhydroxides in acidic brines. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 197, 345-355.	3.9	11
62	Is the EPA Going To Protect the Environment?. <i>Environmental Science and Technology Letters</i> , 2017, 4, 511-511.	8.7	0
63	The Florence Statement on Triclosan and Triclocarban. <i>Environmental Health Perspectives</i> , 2017, 125, 064501.	6.0	144
64	Abiotic Capture of Stormwater Nitrates with Granular Activated Carbon. <i>Environmental Engineering Science</i> , 2016, 33, 354-363.	1.6	15
65	Performance of a composite bioactive membrane for H ₂ production and capture from high strength wastewater. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 848-857.	2.4	8
66	Seasonal and spatial variabilities in the water chemistry of prairie pothole wetlands influence the photoproduction of reactive intermediates. <i>Chemosphere</i> , 2016, 155, 640-647.	8.2	42
67	Organic matter and iron oxide nanoparticles: aggregation, interactions, and reactivity. <i>Environmental Science: Nano</i> , 2016, 3, 494-505.	4.3	111
68	Facet-Dependent Oxidative Goethite Growth As a Function of Aqueous Solution Conditions. <i>Environmental Science & Technology</i> , 2016, 50, 10406-10412.	10.0	30
69	Transformation of chlorpyrifos and chlorpyrifos-methyl in prairie pothole pore waters. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 1406-1416.	3.5	4
70	Character of Humic Substances as a Predictor for Goethite Nanoparticle Reactivity and Aggregation. <i>Environmental Science & Technology</i> , 2016, 50, 1200-1208.	10.0	52
71	Contaminants of Emerging Concern: Mass Balance and Comparison of Wastewater Effluent and Upstream Sources in a Mixed-Use Watershed. <i>Environmental Science & Technology</i> , 2016, 50, 36-45.	10.0	67
72	Sources and transport of contaminants of emerging concern: A two-year study of occurrence and spatiotemporal variation in a mixed land use watershed. <i>Science of the Total Environment</i> , 2016, 551-552, 605-613.	8.0	134

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73	Novel Insights into the Distribution of Reduced Sulfur Species in Prairie Pothole Wetland Pore Waters Provided by Bismuth Film Electrodes. <i>Environmental Science and Technology Letters</i> , 2016, 3, 104-109.	8.7	13
74	Phototransformation of pesticides in prairie potholes: effect of dissolved organic matter in triplet-induced oxidation. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 237-245.	3.5	23
75	Quantification of Hydroxylated Polybrominated Diphenyl Ethers (OH-BDEs), Triclosan, and Related Compounds in Freshwater and Coastal Systems. <i>PLoS ONE</i> , 2015, 10, e0138805.	2.5	14
76	Innovation Promoted by Regulatory Flexibility. <i>Environmental Science & Technology</i> , 2015, 49, 13908-13909.	10.0	5
77	Effects of estrone and organic carbon exposure on the transformation of estrone. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 457-464.	2.4	2
78	Impact of Pahokee Peat humic acid and buffer identity on goethite aggregation and reactivity. <i>Environmental Science: Nano</i> , 2015, 2, 509-517.	4.3	11
79	Estrone Degradation: Does Organic Matter (Quality), Matter?. <i>Environmental Science & Technology</i> , 2015, 49, 498-503.	10.0	26
80	Dissolved Organic Matter Composition Drives the Marine Production of Brominated Very Short-Lived Substances. <i>Environmental Science & Technology</i> , 2015, 49, 3366-3374.	10.0	34
81	Triclosan, chlorinated triclosan derivatives, and hydroxylated polybrominated diphenyl ethers (OH-BDEs) in wastewater effluents. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 316-325.	2.4	3
82	Sorption of isoflavones to river sediment and model sorbents and outcomes for larval fish exposed to contaminated sediment. <i>Journal of Hazardous Materials</i> , 2015, 282, 26-33.	12.4	3
83	Sediment-water distribution of contaminants of emerging concern in a mixed use watershed. <i>Science of the Total Environment</i> , 2015, 505, 896-904.	8.0	74
84	Performance of a composite bioactive membrane for enhanced BioH ₂ production and capture from wastewater. <i>Proceedings of the Water Environment Federation</i> , 2015, 2015, 4412-4412.	0.0	0
85	Phytoestrogens in the environment, II: Microbiological degradation of phytoestrogens and the response of fathead minnows to degradate exposure. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 560-566.	4.3	6
86	Phytoestrogens in the environment, I: Occurrence and exposure effects on fathead minnows. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 553-559.	4.3	38
87	One electron oxidation potential as a predictor of rate constants of N-containing compounds with carbonate radical and triplet excited state organic matter. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 832-838.	3.5	42
88	Goethite nanoparticle aggregation: effects of buffers, metal ions, and 4-chloronitrobenzene reduction. <i>Environmental Science: Nano</i> , 2014, 1, 478-487.	4.3	42
89	Molecular signature of organic nitrogen in septic-impacted groundwater. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2400-2407.	3.5	18
90	Identifying sources of emerging organic contaminants in a mixed use watershed using principal components analysis. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2390-2399.	3.5	31

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91	Evidence of Incorporation of Abiotic S and N into Prairie Wetland Dissolved Organic Matter. <i>Environmental Science and Technology Letters</i> , 2014, 1, 345-350.	8.7	66
92	Membrane-Assisted Volatile Organic Compound Removal from Aqueous Acrylic Latex Is Faster Than from Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 12420-12427.	3.7	4
93	Clustering Chlorine Reactivity of Haloacetic Acid Precursors in Inland Lakes. <i>Environmental Science & Technology</i> , 2014, 48, 139-148.	10.0	48
94	Pesticide Photolysis in Prairie Potholes: Probing Photosensitized Processes. <i>Environmental Science & Technology</i> , 2013, 47, 6735-6745.	10.0	216
95	Experimental and Theoretical Insights into the Involvement of Radicals in Triclosan Phototransformation. <i>Environmental Science & Technology</i> , 2013, 47, 6756-6763.	10.0	64
96	Quantification of Triclosan, Chlorinated Triclosan Derivatives, and their Dioxin Photoproducts in Lacustrine Sediment Cores. <i>Environmental Science & Technology</i> , 2013, 47, 1833-1843.	10.0	89
97	Impact of Organic Carbon on the Biodegradation of Estrone in Mixed Culture Systems. <i>Environmental Science & Technology</i> , 2013, 47, 12359-12365.	10.0	38
98	Direct photochemistry of three fluoroquinolone antibacterials: Norfloxacin, ofloxacin, and enrofloxacin. <i>Water Research</i> , 2013, 47, 439-448.	11.3	191
99	Microscale Characterization of Sulfur Speciation in Lake Sediments. <i>Environmental Science & Technology</i> , 2013, 47, 1287-1296.	10.0	64
100	Halogenation of Bisphenol-A, Triclosan, and Phenols in Chlorinated Waters Containing Iodide. <i>Environmental Science & Technology</i> , 2013, 47, 6764-6772.	10.0	59
101	Sources and composition of sediment porewater dissolved organic matter in prairie pothole lakes. <i>Limnology and Oceanography</i> , 2013, 58, 1136-1146.	3.1	69
102	Water Chemistry: Fifty Years of Change and Progress. <i>Environmental Science & Technology</i> , 2012, 46, 5650-5657.	10.0	29
103	Potential for Abiotic Reduction of Pesticides in Prairie Pothole Porewaters. <i>Environmental Science & Technology</i> , 2012, 46, 3177-3187.	10.0	80
104	Hydroxyl Radical Formation upon Oxidation of Reduced Humic Acids by Oxygen in the Dark. <i>Environmental Science & Technology</i> , 2012, 46, 1590-1597.	10.0	184
105	Photochemical Formation of Brominated Dioxins and Other Products of Concern from Hydroxylated Polybrominated Diphenyl Ethers (OH-PBDEs). <i>Environmental Science & Technology</i> , 2012, 46, 8174-8180.	10.0	56
106	Direct and Indirect Photolysis of the Phytoestrogens Genistein and Daidzein. <i>Environmental Science & Technology</i> , 2012, 46, 5396-5403.	10.0	63
107	Pesticide Processing Potential in Prairie Pothole Porewaters. <i>Environmental Science & Technology</i> , 2011, 45, 6814-6822.	10.0	67
108	pH-Dependent Equilibrium Isotope Fractionation Associated with the Compound Specific Nitrogen and Carbon Isotope Analysis of Substituted Anilines by SPME-GC/IRMS. <i>Analytical Chemistry</i> , 2011, 83, 1641-1648.	6.5	44

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109	Assessing the Contribution of Free Hydroxyl Radical in Organic Matter-Sensitized Photohydroxylation Reactions. <i>Environmental Science & Technology</i> , 2011, 45, 2818-2825.	10.0	191
110	On the Need for a National (U.S.) Research Program to Elucidate the Potential Risks to Human Health and the Environment Posed by Contaminants of Emerging Concern. <i>Environmental Science & Technology</i> , 2011, 45, 3829-3830.	10.0	28
111	Using Nitrogen Isotope Fractionation to Assess the Oxidation of Substituted Anilines by Manganese Oxide. <i>Environmental Science & Technology</i> , 2011, 45, 5596-5604.	10.0	37
112	Direct and indirect photolysis of sulfamethoxazole and trimethoprim in wastewater treatment plant effluent. <i>Water Research</i> , 2011, 45, 1280-1286.	11.3	262
113	Removal and formation of chlorinated triclosan derivatives in wastewater treatment plants using chlorine and UV disinfection. <i>Chemosphere</i> , 2011, 84, 1238-1243.	8.2	40
114	Reprint of: Removal and formation of chlorinated triclosan derivatives in wastewater treatment plants using chlorine and UV disinfection. <i>Chemosphere</i> , 2011, 85, 284-289.	8.2	13
115	Barrier properties of poly(vinyl alcohol) membranes containing carbon nanotubes or activated carbon. <i>Journal of Hazardous Materials</i> , 2011, 188, 334-340.	12.4	10
116	Zero-Valent Iron: Impact of Anions Present during Synthesis on Subsequent Nanoparticle Reactivity. <i>Journal of Environmental Engineering, ASCE</i> , 2011, 137, 889-896.	1.4	18
117	TBAA reduction in reactors simulating distribution system pipes. <i>Journal - American Water Works Association</i> , 2010, 102, 99-106.	0.3	3
118	Reactivity of Alkyl Polyhalides toward Granular Iron: Development of QSARs and Reactivity Cross Correlations for Reductive Dehalogenation. <i>Environmental Science & Technology</i> , 2010, 44, 7928-7936.	10.0	21
119	Kinetics and Mechanisms of <i>N</i> -Nitrosodimethylamine Formation upon Ozonation of <i>N,N</i> -Dimethylsulfamide-Containing Waters: Bromide Catalysis. <i>Environmental Science & Technology</i> , 2010, 44, 5762-5768.	10.0	147
120	Dioxin Photoproducts of Triclosan and Its Chlorinated Derivatives in Sediment Cores. <i>Environmental Science & Technology</i> , 2010, 44, 4545-4551.	10.0	130
121	Terephthalate as a probe for photochemically generated hydroxyl radical. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1658.	2.1	223
122	Correlations between in situ sensor measurements and trace organic pollutants in urban streams. <i>Journal of Environmental Monitoring</i> , 2010, 12, 225-233.	2.1	18
123	A comparison of total maximum daily load (TMDL) calculations in urban streams using near real-time and periodic sampling data. <i>Journal of Environmental Monitoring</i> , 2010, 12, 234-241.	2.1	19
124	Sorptive and Reactive Scavenger-Containing Sandwich Membranes as Contaminant Barriers. <i>Journal of Environmental Engineering, ASCE</i> , 2009, 135, 69-76.	1.4	4
125	Aquatic photochemistry of chlorinated triclosan derivatives: Potential source of polychlorodibenzo- <i>p</i> -dioxins. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 2555-2563.	4.3	120
126	Photochemical Formation of Halogenated Dioxins from Hydroxylated Polybrominated Diphenyl Ethers (OH-PBDEs) and Chlorinated Derivatives (OH-PBCDEs). <i>Environmental Science & Technology</i> , 2009, 43, 4405-4411.	10.0	56

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127	Geomembranes Containing Powdered Activated Carbon Have the Potential to Improve Containment of Chlorinated Aromatic Contaminants. <i>Environmental Science & Technology</i> , 2009, 43, 8916-8922.	10.0	2
128	Photolysis of Chlortetracycline on a Clay Surface. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 6932-6937.	5.2	23
129	Discovering Teleconnected Flow Anomalies: A Relationship Analysis of Dynamic Neighborhoods (RAD) Approach. <i>Lecture Notes in Computer Science</i> , 2009, , 44-61.	1.3	5
130	Substituent Effects on Nitrogen Isotope Fractionation During Abiotic Reduction of Nitroaromatic Compounds. <i>Environmental Science & Technology</i> , 2008, 42, 1997-2003.	10.0	59
131	Degradation of trichloronitromethane by iron water main corrosion products. <i>Water Research</i> , 2008, 42, 2043-2050.	11.3	24
132	Variability of Nitrogen Isotope Fractionation during the Reduction of Nitroaromatic Compounds with Dissolved Reductants. <i>Environmental Science & Technology</i> , 2008, 42, 8352-8359.	10.0	55
133	Evaluation of Functional Groups Responsible for Chloroform Formation during Water Chlorination Using Compound Specific Isotope Analysis. <i>Environmental Science & Technology</i> , 2008, 42, 7778-7785.	10.0	58
134	Degradation of Halogenated Disinfection Byproducts in Water Distribution Systems. <i>ACS Symposium Series</i> , 2008, , 334-348.	0.5	4
135	Chapter 3.2 Transformation of pharmaceuticals in the environment: Photolysis and other abiotic processes. <i>Comprehensive Analytical Chemistry</i> , 2007, , 361-385.	1.3	22
136	The characterization and quantification of methanotrophic bacterial populations in constructed wetland sediments using PCR targeting 16S rRNA gene fragments. <i>Applied Soil Ecology</i> , 2007, 35, 648-659.	4.3	38
137	Effects of dissolved oxygen and iron aging on the reduction of trichloronitromethane, trichloroacetonitrile, and trichloropropanone. <i>Chemosphere</i> , 2007, 66, 2127-2135.	8.2	38
138	Degradation of Disinfection Byproducts by Carbonate Green Rust. <i>Environmental Science & Technology</i> , 2007, 41, 1615-1621.	10.0	39
139	Environmental Photochemistry of Tylosin: Efficient, Reversible Photoisomerization to a Less-Active Isomer, Followed by Photolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7062-7068.	5.2	32
140	Unexpected Products and Reaction Mechanisms of the Aqueous Chlorination of Cimetidine. <i>Environmental Science & Technology</i> , 2007, 41, 6228-6233.	10.0	65
141	Diffusion of mobile products in reactive barrier membranes. <i>Journal of Membrane Science</i> , 2007, 291, 111-119.	8.2	7
142	Aquatic Photochemistry of Nitrofuran Antibiotics. <i>Environmental Science & Technology</i> , 2006, 40, 5422-5427.	10.0	102
143	Kinetic and Microscopic Studies of Reductive Transformations of Organic Contaminants on Goethite. <i>Environmental Science & Technology</i> , 2006, 40, 3299-3304.	10.0	76
144	Reactivity of Substituted Benzotrichlorides toward Granular Iron, Cr(II), and an Iron(II) Porphyrin: A Correlation Analysis. <i>Environmental Science & Technology</i> , 2006, 40, 4253-4260.	10.0	11

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145	Water Hardness as a Photochemical Parameter:â€‰‰ Tetracycline Photolysis as a Function of Calcium Concentration, Magnesium Concentration, and pH. <i>Environmental Science & Technology</i> , 2006, 40, 7236-7241.	10.0	144
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148	AQUEOUS PHOTOCHEMISTRY OF TRICLOSAN: FORMATION OF 2,4-DICHLOROPHENOL, 2,8-DICHLORODIBENZO-p-DIOXIN, AND OLIGOMERIZATION PRODUCTS. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 517.	4.3	236
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156	Kinetics of Haloacetic Acid Reactions with Fe(0). <i>Environmental Science & Technology</i> , 2004, 38, 6881-6889.	10.0	80
157	A Polymer Membrane Containing FeO as a Contaminant Barrier. <i>Environmental Science & Technology</i> , 2004, 38, 2264-2270.	10.0	31
158	Photochemical Fate of Sulfa Drugs in the Aquatic Environment:Â Sulfa Drugs Containing Five-Membered Heterocyclic Groups. <i>Environmental Science & Technology</i> , 2004, 38, 3933-3940.	10.0	591
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164	Abiotic reduction of dinitroaniline herbicides. <i>Water Research</i> , 2003, 37, 4191-4201.	11.3	48
165	Henry's Law Constants of Chlorinated Ethylenes in Aqueous Alcohol Solutions: Measurement, Estimation, and Thermodynamic Analysis. <i>Journal of Chemical & Engineering Data</i> , 2002, 47, 183-190.	1.9	11
166	Reductive Dechlorination of 1,1,2,2-Tetrachloroethane. <i>Environmental Science & Technology</i> , 2002, 36, 3536-3541.	10.0	79
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171	Pathways of Chlorinated Ethylene and Chlorinated Acetylene Reaction with Zn(0). <i>Environmental Science & Technology</i> , 1998, 32, 3017-3025.	10.0	151
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