William A Arnold

List of Publications by Citations

160 papers	8,266 citations	47 h-index	88 g-index
177 ext. papers	9,257 ext. citations	7.4 avg, IF	6.37 L-index

#	Paper	IF	Citations
160	Pathways and Kinetics of Chlorinated Ethylene and Chlorinated Acetylene Reaction with Fe(0) Particles. *Environmental Science & Technology*, **2000**, 34, 1794-1805	10.3	556
159	Photochemical fate of sulfa drugs in the aquatic environment: sulfa drugs containing five-membered heterocyclic groups. *Environmental Science & Technology*, **2004**, 38, 3933-40	10.3	488
158	Photodegradation of pharmaceuticals in the aquatic environment: A review. *Aquatic Sciences*, **2003**, 65, 320-341	2.5	364
157	Reductive Elimination of Chlorinated Ethylenes by Zero-Valent Metals. *Environmental Science & Technology*, **1996**, 30, 2654-2659	10.3	356
156	Photochemical fate of pharmaceuticals in the environment: Naproxen, diclofenac, clofibric acid, and ibuprofen. *Aquatic Sciences*, **2003**, 65, 342-351	2.5	326
155	Triplet-sensitized photodegradation of sulfa drugs containing six-membered heterocyclic groups: identification of an SO2 extrusion photoproduct. *Environmental Science & Technology*, **2005**, 39, 3630-8	10.3	278
154	Photochemical fate of pharmaceuticals in the environment: cimetidine and ranitidine. *Environmental Science & Technology*, **2003**, 37, 3342-50	10.3	219
153	Aqueous photochemistry of triclosan: formation of 2,4-dichlorophenol, 2,8-dichlorodibenzo-p-dioxin, and oligomerization products. *Environmental Toxicology and Chemistry*, **2005**, 24, 517-25	3.8	212
152	Photochemical conversion of triclosan to 2,8-dichlorodibenzo-p-dioxin in aqueous solution. *Journal of Photochemistry and Photobiology A: Chemistry*, **2003**, 158, 63-66	4.7	206
151	Direct and indirect photolysis of sulfamethoxazole and trimethoprim in wastewater treatment plant effluent. *Water Research*, **2011**, 45, 1280-6	12.5	204
150	Terephthalate as a probe for photochemically generated hydroxyl radical. *Journal of Environmental Monitoring*, **2010**, 12, 1658-65		167
149	Pesticide photolysis in prairie potholes: probing photosensitized processes. *Environmental Science & Technology*, **2013**, 47, 6735-45	10.3	164
148	Assessing the contribution of free hydroxyl radical in organic matter-sensitized photohydroxylation reactions. *Environmental Science & Technology*, **2011**, 45, 2818-25	10.3	158
147	Direct photochemistry of three fluoroquinolone antibacterials: norfloxacin, ofloxacin, and enrofloxacin. *Water Research*, **2013**, 47, 439-48	12.5	153
146	Pathways of Chlorinated Ethylene and Chlorinated Acetylene Reaction with Zn(0). *Environmental Science & Technology*, **1998**, 32, 3017-3025	10.3	140
145	Hydroxyl radical formation upon oxidation of reduced humic acids by oxygen in the dark. *Environmental Science & Technology*, **2012**, 46, 1590-7	10.3	137
144	Kinetics and mechanisms of N-nitrosodimethylamine formation upon ozonation of N,N-dimethylsulfamide-containing waters: bromide catalysis. *Environmental Science & Technology*, **2010**, 44, 5762-8	10.3	123

143	Water hardness as a photochemical parameter: tetracycline photolysis as a function of calcium concentration, magnesium concentration, and pH. *Environmental Science & Technology*, **2006**, 40, 7236-41	10.3	122
142	Dioxin photoproducts of triclosan and its chlorinated derivatives in sediment cores. *Environmental Science & Technology*, **2010**, 44, 4545-51	10.3	117
141	The Florence Statement on Triclosan and Triclocarban. *Environmental Health Perspectives*, **2017**, 125, 064501	8.4	104
140	Aquatic photochemistry of chlorinated triclosan derivatives: potential source of polychlorodibenzo-p-dioxins. *Environmental Toxicology and Chemistry*, **2009**, 28, 2555-63	3.8	100
139	Reduction of haloacetic acids by Fe0: implications for treatment and fate. *Environmental Science & Technology*, **2001**, 35, 2258-63	10.3	99
138	Sources and transport of contaminants of emerging concern: A two-year study of occurrence and spatiotemporal variation in a mixed land use watershed. *Science of the Total Environment*, **2016**, 551-552, 605-13	10.2	97
137	Increased Use of Quaternary Ammonium Compounds during the SARS-CoV-2 Pandemic and Beyond: Consideration of Environmental Implications. *Environmental Science and Technology Letters* , **2020**, 7, 622-631	11	93
136	Polychlorinated ethane reaction with zero-valent zinc: pathways and rate control. *Journal of Contaminant Hydrology*, **1999**, 40, 183-200	3.9	89
135	Aquatic photochemistry of nitrofuran antibiotics. *Environmental Science & Technology*, **2006**, 40, 5422-7	10.3	85
134	Organic matter and iron oxide nanoparticles: aggregation, interactions, and reactivity. *Environmental Science: Nano*, **2016**, 3, 494-505	7.1	84
133	Quantification of triclosan, chlorinated triclosan derivatives, and their dioxin photoproducts in lacustrine sediment cores. *Environmental Science & Technology*, **2013**, 47, 1833-43	10.3	78
132	Environmental photodegradation of mefenamic acid. *Chemosphere*, **2005**, 58, 1339-46	8.4	77
131	Kinetics of haloacetic acid reactions with Fe(0). *Environmental Science & Technology*, **2004**, 38, 6881-9	10.3	77
130	Degradation of drinking water disinfection byproducts by synthetic goethite and magnetite. *Environmental Science & Technology*, **2005**, 39, 8525-32	10.3	75
129	Potential for abiotic reduction of pesticides in Prairie pothole porewaters. *Environmental Science & Technology*, **2012**, 46, 3177-87	10.3	73
128	Reductive dechlorination of 1,1,2,2-tetrachloroethane. *Environmental Science & Technology*, **2002**, 36, 3536-41	10.3	69
127	Kinetic and microscopic studies of reductive transformations of organic contaminants on goethite. *Environmental Science & Technology*, **2006**, 40, 3299-304	10.3	67
126	Pesticide processing potential in prairie pothole porewaters. *Environmental Science & Technology*, **2011**, 45, 6814-22	10.3	61

125	Substituent effects on nitrogen isotope fractionation during abiotic reduction of nitroaromatic compounds. *Environmental Science & Technology*, **2008**, 42, 1997-2003	10.3	58
124	Microscale characterization of sulfur speciation in lake sediments. *Environmental Science & Technology*, **2013**, 47, 1287-96	10.3	56
123	Sources and composition of sediment pore-water dissolved organic matter in prairie pothole lakes. *Limnology and Oceanography*, **2013**, 58, 1136-1146	4.8	56
122	Unexpected products and reaction mechanisms of the aqueous chlorination of cimetidine. *Environmental Science & Technology*, **2007**, 41, 6228-33	10.3	56
121	Sediment-water distribution of contaminants of emerging concern in a mixed use watershed. *Science of the Total Environment*, **2015**, 505, 896-904	10.2	54
120	Photochemical formation of halogenated dioxins from hydroxylated polybrominated diphenyl ethers (OH-PBDEs) and chlorinated derivatives (OH-PBCDEs). *Environmental Science & Technology*, **2009**, 43, 4405-11	10.3	54
119	Contaminants of Emerging Concern: Mass Balance and Comparison of Wastewater Effluent and Upstream Sources in a Mixed-Use Watershed. *Environmental Science & Technology*, **2016**, 50, 36-45	10.3	53
118	Experimental and theoretical insights into the involvement of radicals in triclosan phototransformation. *Environmental Science & Technology*, **2013**, 47, 6756-63	10.3	53
117	Direct and indirect photolysis of the phytoestrogens genistein and daidzein. *Environmental Science & Technology*, **2012**, 46, 5396-403	10.3	52
116	Variability of nitrogen isotope fractionation during the reduction of nitroaromatic compounds with dissolved reductants. *Environmental Science & Technology*, **2008**, 42, 8352-9	10.3	51
115	Evaluation of functional groups responsible for chloroform formation during water chlorination using compound specific isotope analysis. *Environmental Science & Technology*, **2008**, 42, 7778-85	10.3	51
114	Halogenation of bisphenol-A, triclosan, and phenols in chlorinated waters containing iodide. *Environmental Science & Technology*, **2013**, 47, 6764-72	10.3	49
113	Evidence of Incorporation of Abiotic S and N into Prairie Wetland Dissolved Organic Matter. *Environmental Science and Technology Letters*, **2014**, 1, 345-350	11	47
112	Photochemical formation of brominated dioxins and other products of concern from hydroxylated polybrominated diphenyl ethers (OH-PBDEs). *Environmental Science & Technology*, **2012**, 46, 8174-80	10.3	47
111	Clustering chlorine reactivity of haloacetic acid precursors in inland lakes. *Environmental Science & Technology*, **2014**, 48, 139-48	10.3	42
110	Abiotic reduction of dinitroaniline herbicides. *Water Research*, **2003**, 37, 4191-201	12.5	41
109	Singlet Oxygen Phosphorescence as a Probe for Triplet-State Dissolved Organic Matter Reactivity. *Environmental Science & Technology*, **2018**, 52, 9170-9178	10.3	39
108	pH-dependent equilibrium isotope fractionation associated with the compound specific nitrogen and carbon isotope analysis of substituted anilines by SPME-GC/IRMS. *Analytical Chemistry*, **2011**, 83, 1641-8	7.8	39

107	Character of Humic Substances as a Predictor for Goethite Nanoparticle Reactivity and Aggregation. *Environmental Science & Technology*, **2016**, 50, 1200-8	10.3	38
106	PFOA and PFOS Are Generated from Zwitterionic and Cationic Precursor Compounds During Water Disinfection with Chlorine or Ozone. *Environmental Science and Technology Letters*, **2018**, 5, 382-388	11	38
105	The characterization and quantification of methanotrophic bacterial populations in constructed wetland sediments using PCR targeting 16S rRNA gene fragments. *Applied Soil Ecology*, **2007**, 35, 648-659	5	37
104	Degradation of disinfection byproducts by carbonate green rust. *Environmental Science & Technology*, **2007**, 41, 1615-21	10.3	36
103	Neonicotinoid insecticide hydrolysis and photolysis: Rates and residual toxicity. *Environmental Toxicology and Chemistry*, **2018**, 37, 2797-2809	3.8	36
102	Quantifying photo-production of triplet excited states and singlet oxygen from effluent organic matter. *Water Research*, **2019**, 156, 23-33	12.5	35
101	Effects of dissolved oxygen and iron aging on the reduction of trichloronitromethane, trichloracetonitrile, and trichloropropanone. *Chemosphere*, **2007**, 66, 2127-35	8.4	35
100	Changes in antibacterial activity of triclosan and sulfa drugs due to photochemical transformations. *Environmental Toxicology and Chemistry*, **2006**, 25, 1480-6	3.8	35
99	Goethite nanoparticle aggregation: effects of buffers, metal ions, and 4-chloronitrobenzene reduction. *Environmental Science: Nano*, **2014**, 1, 478-487	7.1	34
98	Impact of organic carbon on the biodegradation of estrone in mixed culture systems. *Environmental Science & Technology*, **2013**, 47, 12359-65	10.3	34
97	Removal and formation of chlorinated triclosan derivatives in wastewater treatment plants using chlorine and UV disinfection. *Chemosphere*, **2011**, 84, 1238-43	8.4	34
96	One electron oxidation potential as a predictor of rate constants of N-containing compounds with carbonate radical and triplet excited state organic matter. *Environmental Sciences: Processes and Impacts*, **2014**, 16, 832-8	4.3	33
95	Using nitrogen isotope fractionation to assess the oxidation of substituted anilines by manganese oxide. *Environmental Science & Technology*, **2011**, 45, 5596-604	10.3	33
94	QSARs for phenols and phenolates: oxidation potential as a predictor of reaction rate constants with photochemically produced oxidants. *Environmental Sciences: Processes and Impacts*, **2017**, 19, 324-338	4.3	32
93	Color, chlorophyll a, and suspended solids effects on Secchi depth in lakes: implications for trophic state assessment. *Ecological Applications*, **2019**, 29, e01871	4.9	32
92	Phytoestrogens in the environment, I: occurrence and exposure effects on fathead minnows. *Environmental Toxicology and Chemistry*, **2014**, 33, 553-9	3.8	32
91	Inter- and Intraspecies Competitive Effects in Reactions of Chlorinated Ethylenes with Zero-Valent Iron in Column Reactors. *Environmental Engineering Science*, **2000**, 17, 291-302	2	32
90	Dissolved organic matter composition drives the marine production of brominated very short-lived substances. *Environmental Science & Technology*, **2015**, 49, 3366-74	10.3	31

89	A polymer membrane containing Fe(0) as a contaminant barrier. *Environmental Science & Technology*, **2004**, 38, 2264-70	10.3	31
88	Seasonal and spatial variabilities in the water chemistry of prairie pothole wetlands influence the photoproduction of reactive intermediates. *Chemosphere*, **2016**, 155, 640-647	8.4	31
87	Reactivity of Triplet Excited States of Dissolved Natural Organic Matter in Stormflow from Mixed-Use Watersheds. *Environmental Science & Technology*, **2017**, 51, 9718-9728	10.3	30
86	Identifying sources of emerging organic contaminants in a mixed use watershed using principal components analysis. *Environmental Sciences: Processes and Impacts*, **2014**, 16, 2390-9	4.3	28
85	Environmental photochemistry of tylosin: efficient, reversible photoisomerization to a less-active isomer, followed by photolysis. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 7062-8	5.7	26
84	The relative roles of sorption and biodegradation in the removal of contaminants of emerging concern (CECs) in GAC-sand biofilters. *Water Research*, **2018**, 146, 67-76	12.5	25
83	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. *Environmental Science & Technology*, **2011**, 45, 3829-30	10.3	24
82	Measurement and Estimation of Henry's Law Constants of Chlorinated Ethylenes in Aqueous Surfactant Solutions. *Journal of Chemical & Engineering Data*, **2003**, 48, 253-261	2.8	24
81	Degradation of chloropicrin in the presence of zero-valent iron. *Environmental Toxicology and Chemistry*, **2005**, 24, 3037-42	3.8	24
80	Photolysis of chlortetracycline on a clay surface. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 6932-7	5.7	23
79	Sedimentary record of antibiotic accumulation in Minnesota Lakes. *Science of the Total Environment* , **2018**, 621, 970-979	10.2	23
78	Estrone degradation: does organic matter (quality), matter?. *Environmental Science & Technology*, **2015**, 49, 498-503	10.3	22
77	Facet-Dependent Oxidative Goethite Growth As a Function of Aqueous Solution Conditions. *Environmental Science & Technology*, **2016**, 50, 10406-10412	10.3	22
76	Degradation of trichloronitromethane by iron water main corrosion products. *Water Research*, **2008** , 42, 2043-50	12.5	22
75	Phototransformation of pesticides in prairie potholes: effect of dissolved organic matter in triplet-induced oxidation. *Environmental Sciences: Processes and Impacts*, **2016**, 18, 237-45	4.3	20
74	Water chemistry: fifty years of change and progress. *Environmental Science & Technology*, **2012** , 46, 5650-7	10.3	19
73	Reactivity of alkyl polyhalides toward granular iron: development of QSARs and reactivity cross correlations for reductive dehalogenation. *Environmental Science & Technology*, **2010**, 44, 7928-36	10.3	19
72	Prediction of Photochemically Produced Reactive Intermediates in Surface Waters via Satellite Remote Sensing. *Environmental Science & Technology*, **2020**, 54, 6671-6681	10.3	18

71	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. *Environmental Science & Technology*, **2018**, 52, 722-730	10.3	18
70	Molecular signature of organic nitrogen in septic-impacted groundwater. *Environmental Sciences: Processes and Impacts*, **2014**, 16, 2400-7	4.3	17
69	Zero-Valent Iron: Impact of Anions Present during Synthesis on Subsequent Nanoparticle Reactivity. *Journal of Environmental Engineering, ASCE*, **2011**, 137, 889-896	2	17
68	Metabolite composition of sinking particles differs from surface suspended particles across a latitudinal transect in the South Atlantic. *Limnology and Oceanography*, **2020**, 65, 111-127	4.8	17
67	Photochemical Transformation of Four Ionic Liquid Cation Structures in Aqueous Solution. *Environmental Science & Technology*, **2017**, 51, 11780-11787	10.3	16
66	Comprehensive screening of quaternary ammonium surfactants and ionic liquids in wastewater effluents and lake sediments. *Environmental Sciences: Processes and Impacts*, **2020**, 22, 430-441	4.3	16
65	Enhanced adsorption of perfluoro alkyl substances for in situ remediation. *Environmental Science: Water Research and Technology*, **2019**, 5, 1867-1875	4.2	15
64	In Situ Remediation Method for Enhanced Sorption of Perfluoro-Alkyl Substances onto Ottawa Sand. *Journal of Environmental Engineering, ASCE*, **2018**, 144, 04018086	2	15
63	A comparison of total maximum daily load (TMDL) calculations in urban streams using near real-time and periodic sampling data. *Journal of Environmental Monitoring*, **2010**, 12, 234-41		15
62	Reprint of: Removal and formation of chlorinated triclosan derivatives in wastewater treatment plants using chlorine and UV disinfection. *Chemosphere*, **2011**, 85, 284-9	8.4	13
61	Assessment of the chlorine demand and disinfection byproduct formation potential of surface waters via satellite remote sensing. *Water Research*, **2019**, 165, 115001	12.5	12
60	Correlations between in situ sensor measurements and trace organic pollutants in urban streams. *Journal of Environmental Monitoring*, **2010**, 12, 225-33		12
59	Chapter 3.2 Transformation of pharmaceuticals in the environment: Photolysis and other abiotic processes. *Comprehensive Analytical Chemistry*, **2007**, 361-385	1.9	12
58	Abiotic Capture of Stormwater Nitrates with Granular Activated Carbon. *Environmental Engineering Science*, **2016**, 33, 354-363	2	12
57	Quantifying the electron donating capacities of sulfide and dissolved organic matter in sediment pore waters of wetlands. *Environmental Sciences: Processes and Impacts*, **2017**, 19, 758-767	4.3	11
56	Novel Insights into the Distribution of Reduced Sulfur Species in Prairie Pothole Wetland Pore Waters Provided by Bismuth Film Electrodes. *Environmental Science and Technology Letters*, **2016**, 3, 104-109	11	11
55	Quantification of Hydroxylated Polybrominated Diphenyl Ethers (OH-BDEs), Triclosan, and Related Compounds in Freshwater and Coastal Systems. *PLoS ONE*, **2015**, 10, e0138805	3.7	11
54	Photodegradation of pharmaceutical compounds in partially nitritated wastewater during UV irradiation. *Environmental Science: Water Research and Technology*, **2019**, 5, 897-909	4.2	10

53	In Situ Sequestration of Perfluoroalkyl Substances Using Polymer-Stabilized Powdered Activated Carbon. *Environmental Science & Technology*, **2020**, 54, 6929-6936	10.3	10
52	Small and large-scale distribution of four classes of antibiotics in sediment: association with metals and antibiotic resistance genes. *Environmental Sciences: Processes and Impacts*, **2018**, 20, 1167-1179	4.3	10
51	Achieving high-rate hydrogen recovery from wastewater using customizable alginate polymer gel matrices encapsulating biomass. *Environmental Science: Water Research and Technology*, **2018**, 4, 1867-1876	4.2	10
50	Quantitative Dissolution of Environmentally Accessible Iron Residing in Iron-Rich Minerals: A Review. *ACS Earth and Space Chemistry*, **2019**, 3, 1371-1392	3.2	10
49	Barrier properties of poly(vinyl alcohol) membranes containing carbon nanotubes or activated carbon. *Journal of Hazardous Materials*, **2011**, 188, 334-40	12.8	10
48	Reactivity of substituted benzotrichlorides toward granular iron, Cr(II), and an iron(II) porphyrin: A correlation analysis. *Environmental Science & Technology*, **2006**, 40, 4253-60	10.3	10
47	Effect of nonreactive kaolinite on 4-chloronitrobenzene reduction by Fe(II) in goethite/kaolinite heterogeneous suspensions. *Environmental Science: Nano*, **2017**, 4, 325-334	7.1	9
46	Impact of Pahokee Peat humic acid and buffer identity on goethite aggregation and reactivity. *Environmental Science: Nano*, **2015**, 2, 509-517	7.1	9
45	Henry's Law Constants of Chlorinated Ethylenes in Aqueous Alcohol Solutions: Measurement, Estimation, and Thermodynamic Analysis. *Journal of Chemical & Engineering Data*, **2002**, 47, 183-190	2.8	9
44	Neonicotinoid Insecticides in Surface Water, Groundwater, and Wastewater Across Land-Use Gradients and Potential Effects. *Environmental Toxicology and Chemistry*, **2021**, 40, 1017-1033	3.8	9
43	Reaction rates and product formation during advanced oxidation of ionic liquid cations by UV/peroxide, UV/persulfate, and UV/chlorine. *Environmental Science: Water Research and Technology*, **2018**, 4, 1310-1320	4.2	8
42	Accessible reactive surface area and abiotic redox reactivity of iron oxyhydroxides in acidic brines. *Geochimica Et Cosmochimica Acta*, **2017**, 197, 345-355	5.5	8
41	Assessment of 2,4-Dinitroanisole Transformation Using Compound-Specific Isotope Analysis after Chemical Reduction of Iron Oxides. *Environmental Science & Technology*, **2020**, 54, 5520-5531	10.3	8
40	Photolysis of atrazine: Role of triplet dissolved organic matter and limitations of sensitizers and quenchers. *Water Research*, **2021**, 190, 116659	12.5	8
39	Multiple linear regression models to predict the formation efficiency of triplet excited states of dissolved organic matter in temperate wetlands. *Limnology and Oceanography*, **2018**, 63, 1992-2014	4.8	8
38	Iron influence on dissolved color in lakes of the Upper Great Lakes States. *PLoS ONE*, **2019**, 14, e0211979	3.7	7
37	High-Density Polyethylene Membrane Containing Fe0 as a Contaminant Barrier. *Journal of Environmental Engineering, ASCE*, **2006**, 132, 803-809	2	7
36	Performance of a composite bioactive membrane for H2 production and capture from high strength wastewater. *Environmental Science: Water Research and Technology*, **2016**, 2, 848-857	4.2	7

35	Diffusion of mobile products in reactive barrier membranes. *Journal of Membrane Science*, **2007**, 291, 111-119	9.6	6
34	Photochemical fate of quaternary ammonium compounds in river water. *Environmental Sciences: Processes and Impacts*, **2020**, 22, 1368-1381	4.3	6
33	Innovation Promoted by Regulatory Flexibility. *Environmental Science & Technology*, **2015**, 49, 13908-9	10.3	5
32	Phytoestrogens in the environment, II: microbiological degradation of phytoestrogens and the response of fathead minnows to degradate exposure. *Environmental Toxicology and Chemistry*, **2014**, 33, 560-6	3.8	5
31	Permeable membranes containing crystalline silicotitanate as model barriers for cesium ion. *Environmental Science & Technology*, **2005**, 39, 9738-43	10.3	5
30	Effects of encapsulation on the chemical inhibition of anaerobic hydrogen- and methane-producing microbial cells. *Bioresource Technology Reports*, **2020**, 11, 100451	4.1	5
29	Mineralogy and buffer identity effects on RDX kinetics and intermediates during reaction with natural and synthetic magnetite. *Chemosphere*, **2018**, 213, 602-609	8.4	5
28	Efficient Water Pollution Abatement. *Industrial & Engineering Chemistry Research*, **2019**, 58, 22483-22487	3.9	4
27	Sorptive and Reactive Scavenger-Containing Sandwich Membranes as Contaminant Barriers. *Journal of Environmental Engineering, ASCE*, **2009**, 135, 69-76	2	4
26	Encapsulation technology to improve biological resource recovery: recent advancements and research opportunities. *Environmental Science: Water Research and Technology*, **2021**, 7, 16-23	4.2	4
25	Transformation of chlorpyrifos and chlorpyrifos-methyl in prairie pothole pore waters. *Environmental Sciences: Processes and Impacts*, **2016**, 18, 1406-1416	4.3	3
24	Membrane-Assisted Volatile Organic Compound Removal from Aqueous Acrylic Latex Is Faster Than from Aqueous Solutions. *Industrial & Engineering Chemistry Research*, **2014**, 53, 12420-12427	3.9	3
23	TBAA reduction in reactors simulating distribution system pipes. *Journal - American Water Works Association*, **2010**, 102, 99-106	0.5	3
22	Degradation of Halogenated Disinfection Byproducts in Water Distribution Systems. *ACS Symposium Series*, **2008**, 334-348	0.4	3
21	Iron filings application to reduce lake sediment phosphorus release. *Lake and Reservoir Management*,1-19	1.3	3
20	Redox-induced nucleation and growth of goethite on synthetic hematite nanoparticles. *American Mineralogist*, **2018**, 103, 1021-1029	2.9	3
19	Modeling alginate encapsulation system for biological hydrogen production. *Biotechnology and Bioengineering*, **2019**, 116, 3189-3199	4.9	2
18	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. *Environmental Sciences: Processes and Impacts*, **2019**, 21, 51-62	4.3	2

17	Triclosan, chlorinated triclosan derivatives, and hydroxylated polybrominated diphenyl ethers (OH-BDEs) in wastewater effluents. *Environmental Science: Water Research and Technology*, **2015**, 1, 316-325	4.2	2
16	Sorption of isoflavones to river sediment and model sorbents and outcomes for larval fish exposed to contaminated sediment. *Journal of Hazardous Materials*, **2015**, 282, 26-33	12.8	2
15	Determination of Hydroxyl Radical Production from Sulfide Oxidation Relevant to Sulfidic Porewaters. *ACS Earth and Space Chemistry*, **2020**, 4, 261-271	3.2	2
14	Effects of estrone and organic carbon exposure on the transformation of estrone. *Environmental Science: Water Research and Technology*, **2015**, 1, 457-464	4.2	2
13	Geomembranes containing powdered activated carbon have the potential to improve containment of chlorinated aromatic contaminants. *Environmental Science & Technology*, **2009**, 43, 8916-22	10.3	2
12	Preparation of 14C2-cis-1,2-dichloroethylene from 14C2-trichloroethylene using a cobalt porphyrin catalyst. *Journal of Labelled Compounds and Radiopharmaceuticals*, **2005**, 48, 353-357	1.9	2
11	Discovering Teleconnected Flow Anomalies: A Relationship Analysis of Dynamic Neighborhoods (RAD) Approach. *Lecture Notes in Computer Science*, **2009**, 44-61	0.9	2
10	Exploring the Utility of Compound-Specific Isotope Analysis for Assessing Ferrous Iron-Mediated Reduction of RDX in the Subsurface. *Environmental Science & Technology*, **2021**, 55, 6752-6763	10.3	2
9	Identifying the spatiotemporal vulnerability of soils to antimicrobial contamination through land application of animal manure in Minnesota, United States.. *Science of the Total Environment*, **2022**, 832, 155050	10.2	2
8	Quantifying and predicting antimicrobials and antimicrobial resistance genes in waterbodies through a holistic approach: a study in Minnesota, United States. *Scientific Reports*, **2021**, 11, 18747	4.9	1
7	Encapsulation technology for decentralized brewery wastewater treatment: A small pilot experiment. *Bioresource Technology*, **2021**, 126435	11	0
6	Characterization of Antibiotic Resistance and Metal Homeostasis Genes in Midwest USA Agricultural Sediments. *Water (Switzerland)*, **2020**, 12, 2476	3	0
5	Kinetics and Pathways of the Aqueous Photolysis of Pharmaceutical Pollutants: A Versatile Laboratory or Remote Learning Investigation. *Journal of Chemical Education*, **2021**, 98, 2411-2418	2.4	0
4	Ice Cover Influences Redox Dynamics in Prairie Pothole Wetland Sediments. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2021JG006318	3.7	0
3	Response to Comment on A Polymer Membrane Containing Fe0 as a Contaminant Barrier *Environmental Science & Technology*, **2004**, 38, 5264-5264	10.3	
2	Performance of a composite bioactive membrane for enhanced BioH2 production and capture from wastewater. *Proceedings of the Water Environment Federation*, **2015**, 2015, 4412-4412		
1	Seeking Balance. *Environmental Engineering Science*, **2022**, 39, 195-196	2	