William A Arnold

List of Publications by Year in Descending Order

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	Seeking Balance. *Environmental Engineering Science*, **2022**, 39, 195-196	2	
159	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
158	Encapsulation technology for decentralized brewery wastewater treatment: A small pilot experiment. *Bioresource Technology*, **2021**, 126435	11	0
157	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
156	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
155	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
154	Photolysis of atrazine: Role of triplet dissolved organic matter and limitations of sensitizers and quenchers. *Water Research*, **2021**, 190, 116659	12.5	8
153	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
152	Ice Cover Influences Redox Dynamics in Prairie Pothole Wetland Sediments. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2021JG006318	3.7	0
151	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
150	Prediction of Photochemically Produced Reactive Intermediates in Surface Waters via Satellite Remote Sensing. *Environmental Science & Technology*, **2020**, 54, 6671-6681	10.3	18
149	In Situ Sequestration of Perfluoroalkyl Substances Using Polymer-Stabilized Powdered Activated Carbon. *Environmental Science & Technology*, **2020**, 54, 6929-6936	10.3	10
148	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
147	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
146	Determination of Hydroxyl Radical Production from Sulfide Oxidation Relevant to Sulfidic Porewaters. *ACS Earth and Space Chemistry*, **2020**, 4, 261-271	3.2	2
145	Effects of encapsulation on the chemical inhibition of anaerobic hydrogen- and methane-producing microbial cells. *Bioresource Technology Reports*, **2020**, 11, 100451	4.1	5
144	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

143	Characterization of Antibiotic Resistance and Metal Homeostasis Genes in Midwest USA Agricultural Sediments. *Water (Switzerland)*, **2020**, 12, 2476	3	0
142	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
141	Photochemical fate of quaternary ammonium compounds in river water. *Environmental Sciences: Processes and Impacts*, **2020**, 22, 1368-1381	4.3	6
140	Efficient Water Pollution Abatement. *Industrial & Engineering Chemistry Research*, **2019**, 58, 22483-22487	3.9	4
139	Modeling alginate encapsulation system for biological hydrogen production. *Biotechnology and Bioengineering*, **2019**, 116, 3189-3199	4.9	2
138	Enhanced adsorption of perfluoro alkyl substances for in situ remediation. *Environmental Science: Water Research and Technology*, **2019**, 5, 1867-1875	4.2	15
137	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
136	Photodegradation of pharmaceutical compounds in partially nitritated wastewater during UV irradiation. *Environmental Science: Water Research and Technology*, **2019**, 5, 897-909	4.2	10
135	Quantifying photo-production of triplet excited states and singlet oxygen from effluent organic matter. *Water Research*, **2019**, 156, 23-33	12.5	35
134	Iron influence on dissolved color in lakes of the Upper Great Lakes States. *PLoS ONE*, **2019**, 14, e0211979	3.7	7
133	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
132	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
131	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
130	In Situ Remediation Method for Enhanced Sorption of Perfluoro-Alkyl Substances onto Ottawa Sand. *Journal of Environmental Engineering, ASCE*, **2018**, 144, 04018086	2	15
129	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
128	Singlet Oxygen Phosphorescence as a Probe for Triplet-State Dissolved Organic Matter Reactivity. *Environmental Science & Technology*, **2018**, 52, 9170-9178	10.3	39
127	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
126	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

125	Sedimentary record of antibiotic accumulation in Minnesota Lakes. *Science of the Total Environment* , **2018**, 621, 970-979	10.2	23
124	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
123	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
122	Redox-induced nucleation and growth of goethite on synthetic hematite nanoparticles. *American Mineralogist*, **2018**, 103, 1021-1029	2.9	3
121	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
120	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
119	Neonicotinoid insecticide hydrolysis and photolysis: Rates and residual toxicity. *Environmental Toxicology and Chemistry*, **2018**, 37, 2797-2809	3.8	36
118	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
117	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
116	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
115	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
114	Photochemical Transformation of Four Ionic Liquid Cation Structures in Aqueous Solution. *Environmental Science & Technology*, **2017**, 51, 11780-11787	10.3	16
113	The Florence Statement on Triclosan and Triclocarban. *Environmental Health Perspectives*, **2017**, 125, 064501	8.4	104
112	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
111	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
110	Facet-Dependent Oxidative Goethite Growth As a Function of Aqueous Solution Conditions. *Environmental Science & Technology*, **2016**, 50, 10406-10412	10.3	22
109	Transformation of chlorpyrifos and chlorpyrifos-methyl in prairie pothole pore waters. *Environmental Sciences: Processes and Impacts*, **2016**, 18, 1406-1416	4.3	3
108	Character of Humic Substances as a Predictor for Goethite Nanoparticle Reactivity and Aggregation. *Environmental Science & Technology*, **2016**, 50, 1200-8	10.3	38

107	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
106	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
105	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
104	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
103	Abiotic Capture of Stormwater Nitrates with Granular Activated Carbon. *Environmental Engineering Science*, **2016**, 33, 354-363	2	12
102	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
101	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
100	Organic matter and iron oxide nanoparticles: aggregation, interactions, and reactivity. *Environmental Science: Nano*, **2016**, 3, 494-505	7.1	84
99	Estrone degradation: does organic matter (quality), matter?. *Environmental Science & Technology*, **2015**, 49, 498-503	10.3	22
98	Dissolved organic matter composition drives the marine production of brominated very short-lived substances. *Environmental Science & Technology*, **2015**, 49, 3366-74	10.3	31
97	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
96	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
95	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
94	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
93	Innovation Promoted by Regulatory Flexibility. *Environmental Science & Technology*, **2015**, 49, 13908-9	10.3	5
92	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
91	Impact of Pahokee Peat humic acid and buffer identity on goethite aggregation and reactivity. *Environmental Science: Nano*, **2015**, 2, 509-517	7.1	9
90	Performance of a composite bioactive membrane for enhanced BioH2 production and capture from wastewater. *Proceedings of the Water Environment Federation*, **2015**, 2015, 4412-4412		

89	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
88	Goethite nanoparticle aggregation: effects of buffers, metal ions, and 4-chloronitrobenzene reduction. *Environmental Science: Nano*, **2014**, 1, 478-487	7.1	34
87	Molecular signature of organic nitrogen in septic-impacted groundwater. *Environmental Sciences: Processes and Impacts*, **2014**, 16, 2400-7	4.3	17
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	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
84	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
83	Clustering chlorine reactivity of haloacetic acid precursors in inland lakes. *Environmental Science & Technology*, **2014**, 48, 139-48	10.3	42
82	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
81	Phytoestrogens in the environment, I: occurrence and exposure effects on fathead minnows. *Environmental Toxicology and Chemistry*, **2014**, 33, 553-9	3.8	32
80	Pesticide photolysis in prairie potholes: probing photosensitized processes. *Environmental Science & Technology*, **2013**, 47, 6735-45	10.3	164
79	Experimental and theoretical insights into the involvement of radicals in triclosan phototransformation. *Environmental Science & Technology*, **2013**, 47, 6756-63	10.3	53
78	Quantification of triclosan, chlorinated triclosan derivatives, and their dioxin photoproducts in lacustrine sediment cores. *Environmental Science & Technology*, **2013**, 47, 1833-43	10.3	78
77	Impact of organic carbon on the biodegradation of estrone in mixed culture systems. *Environmental Science & Technology*, **2013**, 47, 12359-65	10.3	34
76	Direct photochemistry of three fluoroquinolone antibacterials: norfloxacin, ofloxacin, and enrofloxacin. *Water Research*, **2013**, 47, 439-48	12.5	153
75	Microscale characterization of sulfur speciation in lake sediments. *Environmental Science & Technology*, **2013**, 47, 1287-96	10.3	56
74	Halogenation of bisphenol-A, triclosan, and phenols in chlorinated waters containing iodide. *Environmental Science & Technology*, **2013**, 47, 6764-72	10.3	49
73	Sources and composition of sediment pore-water dissolved organic matter in prairie pothole lakes. *Limnology and Oceanography*, **2013**, 58, 1136-1146	4.8	56
72	Water chemistry: fifty years of change and progress. *Environmental Science & Technology*, **2012** , 46, 5650-7	10.3	19

71	Potential for abiotic reduction of pesticides in Prairie pothole porewaters. *Environmental Science & Technology*, **2012**, 46, 3177-87	10.3	73
70	Hydroxyl radical formation upon oxidation of reduced humic acids by oxygen in the dark. *Environmental Science & Technology*, **2012**, 46, 1590-7	10.3	137
69	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
68	Direct and indirect photolysis of the phytoestrogens genistein and daidzein. *Environmental Science & Technology*, **2012**, 46, 5396-403	10.3	52
67	Using nitrogen isotope fractionation to assess the oxidation of substituted anilines by manganese oxide. *Environmental Science & Technology*, **2011**, 45, 5596-604	10.3	33
66	Direct and indirect photolysis of sulfamethoxazole and trimethoprim in wastewater treatment plant effluent. *Water Research*, **2011**, 45, 1280-6	12.5	204
65	Removal and formation of chlorinated triclosan derivatives in wastewater treatment plants using chlorine and UV disinfection. *Chemosphere*, **2011**, 84, 1238-43	8.4	34
64	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
63	Pesticide processing potential in prairie pothole porewaters. *Environmental Science & Technology*, **2011**, 45, 6814-22	10.3	61
62	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
61	Assessing the contribution of free hydroxyl radical in organic matter-sensitized photohydroxylation reactions. *Environmental Science & Technology*, **2011**, 45, 2818-25	10.3	158
60	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
59	Barrier properties of poly(vinyl alcohol) membranes containing carbon nanotubes or activated carbon. *Journal of Hazardous Materials*, **2011**, 188, 334-40	12.8	10
58	Zero-Valent Iron: Impact of Anions Present during Synthesis on Subsequent Nanoparticle Reactivity. *Journal of Environmental Engineering, ASCE*, **2011**, 137, 889-896	2	17
57	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
56	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
55	Dioxin photoproducts of triclosan and its chlorinated derivatives in sediment cores. *Environmental Science & Technology*, **2010**, 44, 4545-51	10.3	117
54	Terephthalate as a probe for photochemically generated hydroxyl radical. *Journal of Environmental Monitoring*, **2010**, 12, 1658-65		167

53	Correlations between in situ sensor measurements and trace organic pollutants in urban streams. *Journal of Environmental Monitoring*, **2010**, 12, 225-33		12
52	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
51	TBAA reduction in reactors simulating distribution system pipes. *Journal - American Water Works Association*, **2010**, 102, 99-106	0.5	3
50	Sorptive and Reactive Scavenger-Containing Sandwich Membranes as Contaminant Barriers. *Journal of Environmental Engineering, ASCE*, **2009**, 135, 69-76	2	4
49	Aquatic photochemistry of chlorinated triclosan derivatives: potential source of polychlorodibenzo-p-dioxins. *Environmental Toxicology and Chemistry*, **2009**, 28, 2555-63	3.8	100
48	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
47	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
46	Photolysis of chlortetracycline on a clay surface. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 6932-7	5.7	23
45	Discovering Teleconnected Flow Anomalies: A Relationship Analysis of Dynamic Neighborhoods (RAD) Approach. *Lecture Notes in Computer Science*, **2009**, 44-61	0.9	2
44	Substituent effects on nitrogen isotope fractionation during abiotic reduction of nitroaromatic compounds. *Environmental Science & Technology*, **2008**, 42, 1997-2003	10.3	58
43	Degradation of trichloronitromethane by iron water main corrosion products. *Water Research*, **2008** , 42, 2043-50	12.5	22
42	Variability of nitrogen isotope fractionation during the reduction of nitroaromatic compounds with dissolved reductants. *Environmental Science & Technology*, **2008**, 42, 8352-9	10.3	51
41	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
40	Degradation of Halogenated Disinfection Byproducts in Water Distribution Systems. *ACS Symposium Series*, **2008**, 334-348	0.4	3
39	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
38	Unexpected products and reaction mechanisms of the aqueous chlorination of cimetidine. *Environmental Science & Technology*, **2007**, 41, 6228-33	10.3	56
37	Diffusion of mobile products in reactive barrier membranes. *Journal of Membrane Science*, **2007**, 291, 111-119	9.6	6
36	Chapter 3.2 Transformation of pharmaceuticals in the environment: Photolysis and other abiotic processes. *Comprehensive Analytical Chemistry*, **2007**, 361-385	1.9	12

35	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	2	37
34	Effects of dissolved oxygen and iron aging on the reduction of trichloronitromethane, trichloracetonitrile, and trichloropropanone. *Chemosphere*, **2007**, 66, 2127-35	8.4	35
33	Degradation of disinfection byproducts by carbonate green rust. *Environmental Science & Technology*, **2007**, 41, 1615-21	10.3	36
32	High-Density Polyethylene Membrane Containing Fe0 as a Contaminant Barrier. *Journal of Environmental Engineering, ASCE*, **2006**, 132, 803-809	2	7
31	Aquatic photochemistry of nitrofuran antibiotics. *Environmental Science & Technology*, **2006**, 40, 5422-7	10.3	85
30	Kinetic and microscopic studies of reductive transformations of organic contaminants on goethite. *Environmental Science & Technology*, **2006**, 40, 3299-304	10.3	67
29	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
28	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
27	Changes in antibacterial activity of triclosan and sulfa drugs due to photochemical transformations. *Environmental Toxicology and Chemistry*, **2006**, 25, 1480-6	3.8	35
26	Degradation of drinking water disinfection byproducts by synthetic goethite and magnetite. *Environmental Science & Technology*, **2005**, 39, 8525-32	10.3	75
25	Permeable membranes containing crystalline silicotitanate as model barriers for cesium ion. *Environmental Science & Technology*, **2005**, 39, 9738-43	10.3	5
24	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
23	Environmental photodegradation of mefenamic acid. *Chemosphere*, **2005**, 58, 1339-46	8.4	77
22	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
21	Degradation of chloropicrin in the presence of zero-valent iron. *Environmental Toxicology and Chemistry*, **2005**, 24, 3037-42	3.8	24
20	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
19	Response to Comment on A Polymer Membrane Containing Fe0 as a Contaminant Barrier *Environmental Science & Technology*, **2004**, 38, 5264-5264	10.3	
18	Kinetics of haloacetic acid reactions with Fe(0). *Environmental Science & Technology*, **2004**, 38, 6881-9	10.3	77

17	A polymer membrane containing Fe(0) as a contaminant barrier. *Environmental Science & Technology*, **2004**, 38, 2264-70	10.3	31
16	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
15	Photochemical fate of pharmaceuticals in the environment: Naproxen, diclofenac, clofibric acid, and ibuprofen. *Aquatic Sciences*, **2003**, 65, 342-351	2.5	326
14	Photodegradation of pharmaceuticals in the aquatic environment: A review. *Aquatic Sciences*, **2003**, 65, 320-341	2.5	364
13	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
12	Photochemical fate of pharmaceuticals in the environment: cimetidine and ranitidine. *Environmental Science & Technology*, **2003**, 37, 3342-50	10.3	219
11	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
10	Abiotic reduction of dinitroaniline herbicides. *Water Research*, **2003**, 37, 4191-201	12.5	41
9	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
8	Reductive dechlorination of 1,1,2,2-tetrachloroethane. *Environmental Science & Technology*, **2002**, 36, 3536-41	10.3	69
7	Reduction of haloacetic acids by Fe0: implications for treatment and fate. *Environmental Science & Technology*, **2001**, 35, 2258-63	10.3	99
6	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
5	Pathways and Kinetics of Chlorinated Ethylene and Chlorinated Acetylene Reaction with Fe(0) Particles. *Environmental Science & Technology*, **2000**, 34, 1794-1805	10.3	556
4	Polychlorinated ethane reaction with zero-valent zinc: pathways and rate control. *Journal of Contaminant Hydrology*, **1999**, 40, 183-200	3.9	89
3	Pathways of Chlorinated Ethylene and Chlorinated Acetylene Reaction with Zn(0). *Environmental Science & Technology*, **1998**, 32, 3017-3025	10.3	140
2	Reductive Elimination of Chlorinated Ethylenes by Zero-Valent Metals. *Environmental Science & Technology*, **1996**, 30, 2654-2659	10.3	356
1	Iron filings application to reduce lake sediment phosphorus release. *Lake and Reservoir Management*,1-19	1.3	3