Kristopher McNeill

List of Publications by Citations

164 papers	9,401 citations	53 h-index	92 g-index
190 ext. papers	10,845 ext. citations	8.3 avg, IF	6.5 L-index

#	Paper	IF	Citations
164	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
163	Photodegradation of pharmaceuticals in the aquatic environment: A review. *Aquatic Sciences*, **2003**, 65, 320-341	2.5	364
162	Photochemical fate of pharmaceuticals in the environment: Naproxen, diclofenac, clofibric acid, and ibuprofen. *Aquatic Sciences*, **2003**, 65, 342-351	2.5	326
161	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
160	Microheterogeneity of singlet oxygen distributions in irradiated humic acid solutions. *Science*, **2006**, 311, 1743-7	33.3	254
159	Methods for reactive oxygen species (ROS) detection in aqueous environments. *Aquatic Sciences*, **2012**, 74, 683-734	2.5	238
158	Triplet state dissolved organic matter in aquatic photochemistry: reaction mechanisms, substrate scope, and photophysical properties. *Environmental Sciences: Processes and Impacts*, **2016**, 18, 1381-1399	4.3	232
157	Photochemical fate of pharmaceuticals in the environment: cimetidine and ranitidine. *Environmental Science & Technology*, **2003**, 37, 3342-50	10.3	219
156	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
155	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
154	Indirect photodegradation of dissolved free amino acids: the contribution of singlet oxygen and the differential reactivity of DOM from various sources. *Environmental Science & Technology*, **2008**, 42, 5492-8	10.3	171
153	Terephthalate as a probe for photochemically generated hydroxyl radical. *Journal of Environmental Monitoring*, **2010**, 12, 1658-65		167
152	Tris(pyrazolyl)hydroboratozinc hydroxide complexes as functional models for carbonic anhydrase: on the nature of the bicarbonate intermediate. *Journal of the American Chemical Society*, **1993**, 115, 4690-4697	164	164
151	Assessing the contribution of free hydroxyl radical in organic matter-sensitized photohydroxylation reactions. *Environmental Science & Technology*, **2011**, 45, 2818-25	10.3	158
150	Direct photochemistry of three fluoroquinolone antibacterials: norfloxacin, ofloxacin, and enrofloxacin. *Water Research*, **2013**, 47, 439-48	12.5	153
149	Photooxidation-induced changes in optical, electrochemical, and photochemical properties of humic substances. *Environmental Science & Technology*, **2014**, 48, 2688-96	10.3	147
148	Direct photolysis of human metabolites of the antibiotic sulfamethoxazole: evidence for abiotic back-transformation. *Environmental Science & Technology*, **2013**, 47, 6746-55	10.3	138

147	Hydroxyl radical formation upon oxidation of reduced humic acids by oxygen in the dark. *Environmental Science & Technology*, **2012**, 46, 1590-7	10.3	137
146	Covariation and photoinactivation of traditional and novel indicator organisms and human viruses at a sewage-impacted marine beach. *Environmental Science & Technology*, **2009**, 43, 8046-52	10.3	137
145	Sunlight-mediated inactivation of health-relevant microorganisms in water: a review of mechanisms and modeling approaches. *Environmental Sciences: Processes and Impacts*, **2018**, 20, 1089-1122	4.3	131
144	Biodegradation of synthetic polymers in soils: Tracking carbon into CO and microbial biomass. *Science Advances*, **2018**, 4, eaas9024	14.3	130
143	Dark formation of hydroxyl radical in Arctic soil and surface waters. *Environmental Science & Technology*, **2013**, 47, 12860-7	10.3	125
142	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
141	Dioxin photoproducts of triclosan and its chlorinated derivatives in sediment cores. *Environmental Science & Technology*, **2010**, 44, 4545-51	10.3	117
140	Dual roles of dissolved organic matter as sensitizer and quencher in the photooxidation of tryptophan. *Environmental Science & Technology*, **2014**, 48, 4916-24	10.3	110
139	The Florence Statement on Triclosan and Triclocarban. *Environmental Health Perspectives*, **2017**, 125, 064501	8.4	104
138	Singlet oxygen in the coupled photochemical and biochemical oxidation of dissolved organic matter. *Environmental Science & Technology*, **2010**, 44, 3683-9	10.3	101
137	Aquatic photochemistry of chlorinated triclosan derivatives: potential source of polychlorodibenzo-p-dioxins. *Environmental Toxicology and Chemistry*, **2009**, 28, 2555-63	3.8	100
136	Indirect photolysis of perfluorochemicals: hydroxyl radical-initiated oxidation of N-ethyl perfluorooctane sulfonamido acetate (N-EtFOSAA) and other perfluoroalkanesulfonamides. *Environmental Science & Technology*, **2009**, 43, 3662-8	10.3	98
135	Aqueous singlet oxygen reaction kinetics of furfuryl alcohol: effect of temperature, pH, and salt content. *Environmental Sciences: Processes and Impacts*, **2017**, 19, 507-516	4.3	95
134	Quenching of excited triplet states by dissolved natural organic matter. *Environmental Science & Technology*, **2013**, 47, 12802-10	10.3	94
133	Photosensitized amino acid degradation in the presence of riboflavin and its derivatives. *Environmental Science & Technology*, **2011**, 45, 5230-7	10.3	88
132	Association with natural organic matter enhances the sunlight-mediated inactivation of MS2 coliphage by singlet oxygen. *Environmental Science & Technology*, **2007**, 41, 4626-32	10.3	85
131	Aquatic photochemistry of nitrofuran antibiotics. *Environmental Science & Technology*, **2006**, 40, 5422-7	10.3	85
130	Microheterogeneous concentrations of singlet oxygen in natural organic matter isolate solutions. *Environmental Science & Technology*, **2008**, 42, 9184-90	10.3	81

129	Sunlight inactivation of human viruses and bacteriophages in coastal waters containing natural photosensitizers. *Environmental Science & Technology*, **2013**, 47, 1870-8	10.3	80
128	Spatial and temporal distribution of singlet oxygen in Lake Superior. *Environmental Science & Technology*, **2012**, 46, 7222-9	10.3	79
127	Quantification of triclosan, chlorinated triclosan derivatives, and their dioxin photoproducts in lacustrine sediment cores. *Environmental Science & Technology*, **2013**, 47, 1833-43	10.3	78
126	Environmental photodegradation of mefenamic acid. *Chemosphere*, **2005**, 58, 1339-46	8.4	77
125	Catalytic Dehalogenation of sp2 C□H and C□Cl Bonds in Fluoro- and Chloroalkenes. *Organometallics*, **2006**, 25, 4938-4940	3.8	73
124	Low molecular weight components in an aquatic humic substance as characterized by membrane dialysis and orbitrap mass spectrometry. *Environmental Science & Technology*, **2012**, 46, 9350-9	10.3	72
123	Quantifying interactions between singlet oxygen and aquatic fulvic acids. *Environmental Science & Technology*, **2009**, 43, 718-23	10.3	71
122	One-step synthesis of 3,5-disubstituted-2-pyridylpyrroles from the condensation of 1,3-diones and 2-(aminomethyl)pyridine. *Organic Letters*, **2002**, 4, 435-7	6.2	70
121	Evidence for dissolved organic matter as the primary source and sink of photochemically produced hydroxyl radical in arctic surface waters. *Environmental Sciences: Processes and Impacts*, **2014**, 16, 807-22	4.3	68
120	Habitat structure and the evolution of diffusible siderophores in bacteria. *Ecology Letters*, **2014**, 17, 1536-44	6.8	67
119	Reductive dechlorination of TCE by chemical model systems in comparison to dehalogenating bacteria: insights from dual element isotope analysis (13C/12C, 37Cl/35Cl). *Environmental Science & Technology*, **2013**, 47, 6855-63	10.3	65
118	Sustainable Polyester Elastomers from Lactones: Synthesis, Properties, and Enzymatic Hydrolyzability. *Journal of the American Chemical Society*, **2018**, 140, 963-973	16.4	64
117	Structural and spectroscopic studies on four-, five-, and six-coordinate complexes of zinc, copper, nickel, and cobalt: Structural models for the bicarbonate intermediate of the carbonic anhydrase catalytic cycle. *Journal of Inorganic Biochemistry*, **1993**, 49, 105-121	4.2	58
116	C□C and C□H Bond Activation at Ruthenium(II): The Stepwise Degradation of a Neopentyl Ligand to a Trimethylenemethane Ligand. *Journal of the American Chemical Society*, **1997**, 119, 11244-11254	16.4	57
115	Acrolein contributes strongly to antimicrobial and heterocyclic amine transformation activities of reuterin. *Scientific Reports*, **2016**, 6, 36246	4.9	56
114	Unexpected products and reaction mechanisms of the aqueous chlorination of cimetidine. *Environmental Science & Technology*, **2007**, 41, 6228-33	10.3	56
113	Pyridylpyrrolides as alternatives to cyclometalated phenylpyridine ligands: synthesis and characterization of luminescent zinc and boron pyridylpyrrolide complexes. *Dalton Transactions*, **2004**, 883-91	4.3	56
112	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

111	Experimental and theoretical insights into the involvement of radicals in triclosan phototransformation. *Environmental Science & Technology*, **2013**, 47, 6756-63	10.3	53
110	Halogenation of bisphenol-A, triclosan, and phenols in chlorinated waters containing iodide. *Environmental Science & Technology*, **2013**, 47, 6764-72	10.3	49
109	Dos and Do Nots When Assessing the Biodegradation of Plastics. *Environmental Science & Technology*, **2019**, 53, 9967-9969	10.3	47
108	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
107	Dechlorination of chloroethylenes by cob(I)alamin and cobalamin model complexes. *Dalton Transactions*, **2008**, 4191-201	4.3	47
106	Photochemical production of singlet oxygen from particulate organic matter. *Environmental Science & Technology*, **2015**, 49, 3514-22	10.3	45
105	Aqueous oxidation of sulfonamide antibiotics: aromatic nucleophilic substitution of an aniline radical cation. *Chemistry - A European Journal*, **2013**, 19, 11216-23	4.8	45
104	Quantification of singlet oxygen production in the reaction of superoxide with hydrogen peroxide using a selective chemiluminescent probe. *Journal of the American Chemical Society*, **2005**, 127, 8954-5	16.4	42
103	The Case Against Charge Transfer Interactions in Dissolved Organic Matter Photophysics. *Environmental Science & Technology*, **2018**, 52, 406-414	10.3	42
102	Enzymatic Hydrolysis of Polyester Thin Films at the Nanoscale: Effects of Polyester Structure and Enzyme Active-Site Accessibility. *Environmental Science & Technology*, **2017**, 51, 7476-7485	10.3	41
101	Stable dioxetane precursors as selective trap-and-trigger chemiluminescent probes for singlet oxygen. *Analytical Chemistry*, **2005**, 77, 1200-5	7.8	40
100	Photochemical and Nonphotochemical Transformations of Cysteine with Dissolved Organic Matter. *Environmental Science & Technology*, **2016**, 50, 6363-73	10.3	40
99	Deconvolution of Mass Spectral Interferences of Chlorinated Alkanes and Their Thermal Degradation Products: Chlorinated Alkenes. *Analytical Chemistry*, **2017**, 89, 5923-5931	7.8	39
98	Singlet Oxygen Phosphorescence as a Probe for Triplet-State Dissolved Organic Matter Reactivity. *Environmental Science & Technology*, **2018**, 52, 9170-9178	10.3	39
97	Analysis of Medium-Chain and Long-Chain Chlorinated Paraffins: The Urgent Need for More Specific Analytical Standards. *Environmental Science and Technology Letters*, **2018**, 5, 708-717	11	39
96	Reduction of trichloroethylene by outer-sphere electron-transfer agents. *Journal of the American Chemical Society*, **2005**, 127, 844-5	16.4	37
95	On the use of hydroxyl radical kinetics to assess the number-average molecular weight of dissolved organic matter. *Environmental Science & Technology*, **2014**, 48, 11794-802	10.3	35
94	Changes in antibacterial activity of triclosan and sulfa drugs due to photochemical transformations. *Environmental Toxicology and Chemistry*, **2006**, 25, 1480-6	3.8	35

93	Hydrodefluorination and hydrogenation of fluorobenzene under mild aqueous conditions. *Environmental Science & Technology*, **2012**, 46, 10199-205	10.3	34
92	Reactivity differences of combined and free amino acids: quantifying the relationship between three-dimensional protein structure and singlet oxygen reaction rates. *Environmental Science & Technology*, **2013**, 47, 14215-23	10.3	34
91	Removal and formation of chlorinated triclosan derivatives in wastewater treatment plants using chlorine and UV disinfection. *Chemosphere*, **2011**, 84, 1238-43	8.4	34
90	Electronic structures of [n]-cyclacenes (n = 6□12) and short, hydrogen-capped, carbon nanotubes. *Faraday Discussions*, **2010**, 145, 507-521	3.6	34
89	Phosphinorhodium-Catalyzed Dehalogenation of Chlorinated and Fluorinated Ethylenes: Distinct Mechanisms with Triethylsilane and Dihydrogen. *Organometallics*, **2009**, 28, 5982-5991	3.8	34
88	Aqueous reductive dechlorination of chlorinated ethylenes with tetrakis(4-carboxyphenyl)porphyrin cobalt. *Inorganic Chemistry*, **2005**, 44, 4852-61	5.1	34
87	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2020. *Photochemical and Photobiological Sciences*, **2021**, 20, 1-67	4.2	34
86	Controlling factors in the rates of oxidation of anilines and phenols by triplet methylene blue in aqueous solution. *Journal of Physical Chemistry A*, **2015**, 119, 3233-43	2.8	33
85	Interconversion of a 3,3-Dimethylruthenacyclobutane and a Methyl(2-methallyl)ruthenium Complex: The First Direct Observation of Reversible .beta.-Methyl Elimination/Migratory Insertion. *Journal of the American Chemical Society*, **1995**, 117, 3625-3626	16.4	33
84	Dealing with strong mass interferences of chlorinated paraffins and their transformation products: An analytical guide. *TrAC - Trends in Analytical Chemistry*, **2018**, 106, 116-124	14.6	32
83	Environmental Photochemistry of Amino Acids, Peptides and Proteins. *Chimia*, **2014**, 68, 812-7	1.3	32
82	Complete hydrodehalogenation of polyfluorinated and other polyhalogenated benzenes under mild catalytic conditions. *Environmental Science & Technology*, **2013**, 47, 6545-53	10.3	32
81	Triplet-State Dissolved Organic Matter Quantum Yields and Lifetimes from Direct Observation of Aromatic Amine Oxidation. *Environmental Science & Technology*, **2017**, 51, 13151-13160	10.3	31
80	Enhanced Indirect Photochemical Transformation of Histidine and Histamine through Association with Chromophoric Dissolved Organic Matter. *Environmental Science & Technology*, **2015**, 49, 5511-9	10.3	31
79	Dehalogenation of aromatics by nucleophilic aromatic substitution. *Environmental Science & Technology*, **2014**, 48, 10904-11	10.3	27
78	Kinetics and mechanism of the sensitized photodegradation of lignin model compounds. *Photochemical and Photobiological Sciences*, **2005**, 4, 268-74	4.2	27
77	Updated and validated solar irradiance reference spectra for estimating environmental photodegradation rates. *Environmental Sciences: Processes and Impacts*, **2019**, 21, 427-437	4.3	26
76	Disentangling the interactions between photochemical and bacterial degradation of dissolved organic matter: amino acids play a central role. *Microbial Ecology*, **2015**, 69, 554-66	4.4	26

75	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
74	Photochemical Transformation of Poly(butylene adipate- co-terephthalate) and Its Effects on Enzymatic Hydrolyzability. *Environmental Science & Technology*, **2019**, 53, 2472-2481	10.3	25
73	Thermochemical factors affecting the dehalogenation of aromatics. *Environmental Science & Technology*, **2013**, 47, 14194-203	10.3	25
72	Singlet Oxygen Quantum Yields in Environmental Waters. *Chemical Reviews*, **2021**, 121, 4100-4146	68.1	25
71	Thiouridine residues in tRNAs are responsible for a synergistic effect of UVA and UVB light in photoinactivation of Escherichia coli. *Environmental Microbiology*, **2017**, 19, 434-442	5.2	24
70	Aquatic photochemical kinetics of benzotriazole and structurally related compounds. *Environmental Sciences: Processes and Impacts*, **2015**, 17, 939-46	4.3	24
69	Enzymatic Hydrolysis of Polyester Thin Films: Real-Time Analysis of Film Mass Changes and Dissipation Dynamics. *Environmental Science & Technology*, **2016**, 50, 197-206	10.3	24
68	Characterization of Co-C bonding in dichlorovinylcobaloxime complexes. *Inorganic Chemistry*, **2007**, 46, 1645-54	5.1	24
67	Photolysis of chlortetracycline on a clay surface. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 6932-7	5.7	23
66	Rapid Reduction of Nitric Oxide to Dinitrogen by Zirconium(II):´Kinetic Studies on a Reaction Controlled by Gas□iquid Transport. *Journal of the American Chemical Society*, **1999**, 121, 8260-8269	16.4	23
65	Chlorinated Ethene Reactivity with Vitamin B12Is Governed by Cobalamin Chloroethylcarbanions as Crossroads of Competing Pathways. *ACS Catalysis*, **2018**, 8, 3054-3066	13.1	22
64	Reductive Outer-Sphere Single Electron Transfer Is an Exception Rather than the Rule in Natural and Engineered Chlorinated Ethene Dehalogenation. *Environmental Science & Technology*, **2017**, 51, 9663-9673	10.3	22
63	Polyol Structure Influences Enzymatic Hydrolysis of Bio-Based 2,5-Furandicarboxylic Acid (FDCA) Polyesters. *Biotechnology Journal*, **2017**, 12, 1600741	5.6	22
62	Magnitude and Mechanism of Siderophore-Mediated Competition at Low Iron Solubility in the Pyochelin System. *Frontiers in Microbiology*, **2017**, 8, 1964	5.7	22
61	Transformation of chlorinated paraffins to olefins during metal work and thermal exposure - Deconvolution of mass spectra and kinetics. *Chemosphere*, **2018**, 194, 803-811	8.4	21
60	Reactive Oxygen Species Production from Secondary Organic Aerosols: The Importance of Singlet Oxygen. *Environmental Science & Technology*, **2019**, 53, 8553-8562	10.3	21
59	Photooxidation of the Antimicrobial, Nonribosomal Peptide Bacitracin A by Singlet Oxygen under Environmentally Relevant Conditions. *Environmental Science & Technology*, **2016**, 50, 8586-95	10.3	21
58	Quantification of Synthetic Polyesters from Biodegradable Mulch Films in Soils. *Environmental Science & Technology*, **2020**, 54, 266-275	10.3	21

57	Isotope fractionation associated with the direct photolysis of 4-chloroaniline. *Environmental Science & Technology*, **2015**, 49, 4263-73	10.3	20
56	Photochemical Production of Sulfate and Methanesulfonic Acid from Dissolved Organic Sulfur. *Environmental Science & Technology*, **2019**, 53, 13191-13200	10.3	20
55	High-Throughput Analysis of Enzymatic Hydrolysis of Biodegradable Polyesters by Monitoring Cohydrolysis of a Polyester-Embedded Fluorogenic Probe. *Environmental Science & Technology*, **2017**, 51, 4358-4367	10.3	19
54	Photodegradation of Fludioxonil and Other Pyrroles: The Importance of Indirect Photodegradation for Understanding Environmental Fate and Photoproduct Formation. *Environmental Science & Technology*, **2019**, 53, 11240-11250	10.3	19
53	Assessing the environmental transformation of nanoplastic through C-labelled polymers. *Nature Nanotechnology*, **2019**, 14, 301-303	28.7	19
52	Isotope Fractionation Associated with the Photochemical Dechlorination of Chloroanilines. *Environmental Science & Technology*, **2015**, 49, 9797-806	10.3	18
51	Fate of Benzene in a Stratified Lake Receiving Contaminated Groundwater Discharges from a Superfund Site. *Environmental Science & Technology*, **2000**, 34, 4354-4362	10.3	18
50	Photomineralization mechanism changes the ability of dissolved organic matter to activate cloud droplets and to nucleate ice crystals. *Atmospheric Chemistry and Physics*, **2019**, 19, 12397-12412	6.8	18
49	Environmental photochemistry of fenamate NSAIDs and their radical intermediates. *Environmental Sciences: Processes and Impacts*, **2017**, 19, 656-665	4.3	17
48	Sorbic Acid as a Triplet Probe: Triplet Energy and Reactivity with Triplet-State Dissolved Organic Matter via O Phosphorescence. *Environmental Science & Technology*, **2019**, 53, 8078-8086	10.3	17
47	Synthesis and structures of acyclic monoanionic tetradentate aza beta-diketiminate complexes of magnesium, zinc, and cadmium. *Dalton Transactions*, **2006**, 4814-20	4.3	17
46	Evidence for the formation of a cis-dichlorovinyl anion upon reduction of cis-1,2-dichlorovinyl(pyridine)cobaloxime. *Inorganic Chemistry*, **2006**, 45, 2727-32	5.1	17
45	Synthesis of (chlorovinyl)cobaloxime complexes, model complexes of proposed intermediates in the B12-catalyzed dehalogenation of chlorinated ethylenes. *Chemical Communications*, **2002**, 234-5	5.8	17
44	Non-Singlet Oxygen Kinetic Solvent Isotope Effects in Aquatic Photochemistry. *Environmental Science & Technology*, **2018**, 52, 9908-9916	10.3	16
43	Environmental Photochemistry of Altrenogest: Photoisomerization to a Bioactive Product with Increased Environmental Persistence via Reversible Photohydration. *Environmental Science & Technology*, **2016**, 50, 7480-8	10.3	16
42	Singlet oxygen production in the reaction of superoxide with organic peroxides. *Journal of Organic Chemistry*, **2006**, 71, 796-9	4.2	14
41	2-(2?-Pyridyl)pyrroles: Part II. Spectroscopic investigation of pyridylpyrrole alcohol complexes. *Physical Chemistry Chemical Physics*, **2004**, 6, 3948-3957	3.6	14
40	2-(2?-Pyridyl)pyrroles: Part I. Structure and energetics of pyridylpyrroles, their dimers, complexes and excited states. *Physical Chemistry Chemical Physics*, **2004**, 6, 3938-3947	3.6	14

39	Aquatic indirect photochemical transformations of natural peptidic thiols: impact of thiol properties, solution pH, solution salinity and metal ions. *Environmental Sciences: Processes and Impacts*, **2017**, 19, 1518-1527	4.3	13
38	Isotope Fractionation Associated with the Indirect Photolysis of Substituted Anilines in Aqueous Solution. *Environmental Science & Technology*, **2015**, 49, 12766-73	10.3	13
37	Dissolved Organic Matter Singlet Oxygen Quantum Yields: Evaluation Using Time-Resolved Singlet Oxygen Phosphorescence. *Environmental Science & Technology*, **2020**, 54, 3316-3324	10.3	13
36	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
35	Synthesis and characterization of pentaphosphino zero-valent iron complexes and their corresponding iron(II)-chloride and -hydride complexes. *Inorganic Chemistry*, **2010**, 49, 3942-9	5.1	13
34	Investigating the Impact of Adding an Environmental Focus to a Developmental Chemistry Course. *Journal of Chemical Education*, **2010**, 87, 216-220	2.4	13
33	Assessing the Indirect Photochemical Transformation of Dissolved Combined Amino Acids through the Use of Systematically Designed Histidine-Containing Oligopeptides. *Environmental Science & Technology*, **2015**, 49, 12798-807	10.3	12
32	Reconciling disparate models of the involvement of vinyl radicals in cobalamin-mediated dechlorination reactions. *Environmental Science & Technology*, **2009**, 43, 8961-7	10.3	12
31	Chapter 3.2 Transformation of pharmaceuticals in the environment: Photolysis and other abiotic processes. *Comprehensive Analytical Chemistry*, **2007**, 361-385	1.9	12
30	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
29	Environmental photoinactivation of extracellular phosphatases and the effects of dissolved organic matter. *Environmental Science & Technology*, **2015**, 49, 889-96	10.3	11
28	Synthesis and reactivity of an isolable cobalt(I) complex containing a □diketiminate-based acyclic tetradentate ligand. *Inorganic Chemistry*, **2012**, 51, 2079-85	5.1	11
27	Synthesis, structure, and unusual reactivity of beta-halovinyl cobalt porphyrin complexes. *Inorganic Chemistry*, **2006**, 45, 2288-95	5.1	10
26	Differences in photochemistry between seawater and freshwater for two natural organic matter samples. *Environmental Sciences: Processes and Impacts*, **2019**, 21, 28-39	4.3	9
25	Sorbic Acid as a Triplet Probe: Reactivity of Oxidizing Triplets in Dissolved Organic Matter by Direct Observation of Aromatic Amine Oxidation. *Environmental Science & Technology*, **2019**, 53, 8087-8096	10.3	9
24	Furan Carboxamides as Model Compounds To Study the Competition between Two Modes of Indirect Photochemistry. *Environmental Science & Technology*, **2019**, 53, 9594-9603	10.3	9
23	UV/Vis photochemistry database: Structure, content and applications. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2020**, 253,	2.1	9
22	Metal ion size and coordination mode in complexes of a □diketiminate ligand with pendant quinoline arms. *Inorganica Chimica Acta*, **2011**, 369, 173-179	2.7	8

21	Singlet Oxygen Photooxidation of Peptidic Oxazoles and Thiazoles. *Journal of Organic Chemistry*, **2019**, 84, 2439-2447	4.2	7
20	Linking Triclosan's Structural Features to Its Environmental Fate and Photoproducts. *Environmental Science & Technology*, **2020**, 54, 14432-14441	10.3	7
19	Vicinal dichlorine elimination at dichloroalkenes promoted by a well-defined iron(0) complex. *Dalton Transactions*, **2011**, 40, 1646-8	4.3	7
18	Development of N-Cyclopropylanilines to Probe the Oxidative Properties of Triplet-State Photosensitizers. *Environmental Science & Technology*, **2019**, 53, 4813-4822	10.3	6
17	Fluorescent Molecular Probes for Detection of One-Electron Oxidants Photochemically Generated by Dissolved Organic Matter. *Environmental Science & Technology*, **2017**, 51, 9033-9041	10.3	6
16	Photochemical fate of medetomidine in coastal and marine environments. *Water Research*, **2021**, 191, 116791	12.5	6
15	Intramolecular [2 + 2] Photocycloaddition of Altrenogest: Confirmation of Product Structure, Theoretical Mechanistic Insight, and Bioactivity Assessment. *Journal of Organic Chemistry*, **2019**, 84, 11366-11371	4.2	5
14	Distribution of intermediate host snails of schistosomiasis and fascioliasis in relation to environmental factors during the dry season in the Tchologo region, Côte d'Ivoire. *Advances in Water Resources*, **2017**, 108, 386-396	4.7	4
13	Dechlorination of chlorinated ethylenes by a photochemically generated iron(0) complex. *Dalton Transactions*, **2013**, 42, 10121-8	4.3	4
12	Substituent Effects on the Direct Photolysis of Benzotrifluoride Derivatives. *Environmental Science & Technology*, **2020**, 54, 11109-11117	10.3	4
11	Mechanistic Insights into Dissolved Organic Sulfur Photomineralization through the Study of Cysteine Sulfinic Acid. *Environmental Science & Technology*, **2020**, 54, 13066-13076	10.3	4
10	Triclosan, chlorinated triclosan derivatives, and hydroxylated polybrominated diphenyl ethers (OH-BDEs) in wastewater effluents. *Environmental Science: Water Research and Technology*, **2015**, 1, 316-325	4.3	2
9	UVB-irradiated Laboratory-generated Secondary Organic Aerosol Extracts Have Increased Cloud Condensation Nuclei Abilities: Comparison with Dissolved Organic Matter and Implications for the Photomineralization Mechanism. *Chimia*, **2020**, 74, 142-148	1.3	2
8	Response to Comment on "Indirect Photolysis of Perfluorochemicals: Hydroxyl Radical-Initiated Oxidation of N-Ethyl Perfluorooctane Sulfonamido Acetate (N-EtFOSAA) and Other Perfluoroalkanesulfonamides". *Environmental Science & Technology*, **2009**, 43, 7997	10.3	2
7	Photosensitizing properties of 2,4-dichlorobenzoic acid and chlorinated biphenyl carboxylic acids, potentially key components of chromophoric dissolved organic matter. *Chemical Communications*, **2005**, 4113-5	5.8	2
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5	A streamlined workflow to study direct photodegradation kinetic and transformation products for persistence assessment of a fragrance ingredient in natural waters. *Environmental Sciences: Processes and Impacts*, **2019**, 21, 1713-1721	4.3	2
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