

Davide Vione

List of Publications by Year in descending order

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266
papers

12,399
citations

28274

55
h-index

37204

96
g-index

278
all docs

278
docs citations

278
times ranked

10208
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemical Reactions in Inland Waters. , 2022, , 105-117.		1
2	A model to predict the kinetics of direct (endogenous) virus inactivation by sunlight at different latitudes and seasons, based on the equivalent monochromatic wavelength approach. Water Research, 2022, 208, 117837.	11.3	5
3	Inhibition by phenolic antioxidants of the degradation of aromatic amines and sulfadiazine by the carbonate radical (CO ₃ ^{•-}). Water Research, 2022, 209, 117867.	11.3	13
4	Formation of Halogenated Byproducts upon Water Treatment with Peracetic Acid. Environmental Science & Technology, 2022, 56, 5123-5131.	10.0	8
5	Formation of organic sulfur compounds through SO ₂ -initiated photochemistry of PAHs and dimethylsulfoxide at the air-water interface. Atmospheric Chemistry and Physics, 2022, 22, 4237-4252.	4.9	10
6	The ZVI-Fenton process affects the total load of human pathogenic bacteria in wastewater samples. Journal of Water Process Engineering, 2022, 47, 102668.	5.6	4
7	Inorganic Ions Enhance the Number of Product Compounds through Heterogeneous Processing of Gaseous NO ₂ on an Aqueous Layer of Acetosyringone. Environmental Science & Technology, 2022, 56, 5398-5408.	10.0	7
8	Chemical Speciation of Antarctic Atmospheric Depositions. Applied Sciences (Switzerland), 2022, 12, 4438.	2.5	2
9	Phototransformation of the fungicide tebuconazole, and its predicted fate in sunlit surface freshwaters. Chemosphere, 2022, 303, 134895.	8.2	11
10	Effective degradation of ibuprofen through an electro-Fenton process, in the presence of zero-valent iron (ZVI-EF). Journal of Cleaner Production, 2022, 367, 132894.	9.3	15
11	Wavelength trends of photoproduction of reactive transient species by chromophoric dissolved organic matter (CDOM), under steady-state polychromatic irradiation. Chemosphere, 2022, 306, 135502.	8.2	8
12	New insights into mechanisms of sunlight- and dark-mediated high-temperature accelerated diurnal production-degradation of fluorescent DOM in lake waters. Science of the Total Environment, 2021, 760, 143377.	8.0	19
13	Geographical and temporal assessment of the photochemical decontamination potential of river waters from agrochemicals: A first application to the Piedmont region (NW Italy). Chemosphere, 2021, 263, 127921.	8.2	10
14	The modelling of Surface-Water photoreactions made easier: introducing the concept of "equivalent monochromatic wavelengths". Water Research, 2021, 190, 116675.	11.3	10
15	Seasonal variations in the optical characteristics of dissolved organic matter in glacial pond water. Science of the Total Environment, 2021, 759, 143464.	8.0	8
16	Fluorophores in surface freshwaters: importance, likely structures, and possible impacts of climate change. Environmental Sciences: Processes and Impacts, 2021, 23, 1429-1442.	3.5	6
17	Ionic Strength Effect Triggers Brown Carbon Formation through Heterogeneous Ozone Processing of Ortho-Vanillin. Environmental Science & Technology, 2021, 55, 4553-4564.	10.0	21
18	Electrochemical abatement of cefazolin: Towards a viable treatment for antibiotic-containing urine. Journal of Cleaner Production, 2021, 289, 125722.	9.3	18

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19	Nano-MoO ₂ activates peroxymonosulfate for the degradation of PAH derivatives. <i>Water Research</i> , 2021, 192, 116834.	11.3	56
20	Secondary Formation of Aromatic Nitroderivatives of Environmental Concern: Photonitration Processes Triggered by the Photolysis of Nitrate and Nitrite Ions in Aqueous Solution. <i>Molecules</i> , 2021, 26, 2550.	3.8	18
21	Advanced oxidation processes in the removal of organic substances from produced water: Potential, configurations, and research needs. <i>Chemical Engineering Journal</i> , 2021, 414, 128668.	12.7	193
22	Effect of Inorganic Salts on N-Containing Organic Compounds Formed by Heterogeneous Reaction of NO ₂ with Oleic Acid. <i>Environmental Science & Technology</i> , 2021, 55, 7831-7840.	10.0	14
23	Phototransformation study of the antidepressant paroxetine in surface waters. <i>Science of the Total Environment</i> , 2021, 774, 145380.	8.0	16
24	A Review on the Degradation of Pollutants by Fenton-Like Systems Based on Zero-Valent Iron and Persulfate: Effects of Reduction Potentials, pH, and Anions Occurring in Waste Waters. <i>Molecules</i> , 2021, 26, 4584.	3.8	43
25	Foreseen Effects of Climate-Impacted Scenarios on the Photochemical Fate of Selected Cyanotoxins in Surface Freshwaters. <i>Environmental Science & Technology</i> , 2021, 55, 10928-10934.	10.0	13
26	Insights into the Time Evolution of Slowly Photodegrading Contaminants. <i>Molecules</i> , 2021, 26, 5223.	3.8	3
27	UVC-induced degradation of cilastatin in natural water and treated wastewater. <i>Chemosphere</i> , 2021, 280, 130668.	8.2	3
28	Elimination from wastewater of antibiotics reserved for hospital settings, with a Fenton process based on zero-valent iron. <i>Chemosphere</i> , 2021, 283, 131170.	8.2	19
29	Evaluation of Fenton and modified Fenton oxidation coupled with membrane distillation for produced water treatment: Benefits, challenges, and effluent toxicity. <i>Science of the Total Environment</i> , 2021, 796, 148953.	8.0	18
30	Photosensitized Degradation of DMSO Initiated by PAHs at the Air-Water Interface, as an Alternative Source of Organic Sulfur Compounds to the Atmosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035346.	3.3	7
31	Experimental and theoretical study of the fluorescence emission of ferulic acid: Possible insights into the fluorescence properties of humic substances. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117587.	3.9	9
32	Determination and photodegradation of sertraline residues in aqueous environment. <i>Environmental Pollution</i> , 2020, 256, 113431.	7.5	37
33	The role of direct photolysis in the photodegradation of the herbicide bentazone in natural surface waters. <i>Chemosphere</i> , 2020, 246, 125705.	8.2	26
34	A Critical View of the Application of the APEX Software (Aqueous Photochemistry of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (Envi <i>Molecules</i> , 2020, 25, 9.	3.8	35
35	Ionic Strength Effect Alters the Heterogeneous Ozone Oxidation of Methoxyphenols in Going from Cloud Droplets to Aerosol Deliquescent Particles. <i>Environmental Science & Technology</i> , 2020, 54, 12898-12907.	10.0	22
36	Tracking photodegradation products and bond-cleavage reaction pathways of triclosan using ultra-high resolution mass spectrometry and stable carbon isotope analysis. <i>Environmental Pollution</i> , 2020, 264, 114673.	7.5	15

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37	Global Sensitivity Analysis of Environmental, Water Quality, Photoreactivity, and Engineering Design Parameters in Sunlight Inactivation of Viruses. <i>Environmental Science & Technology</i> , 2020, 54, 8401-8410.	10.0	10
38	Ionic Strength Effect on Photochemistry of Fluorene and Dimethylsulfoxide at the Air–Sea Interface: Alternative Formation Pathway of Organic Sulfur Compounds in a Marine Atmosphere. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1029-1038.	2.7	15
39	Degradation of nanoplastics in the environment: Reactivity and impact on atmospheric and surface waters. <i>Science of the Total Environment</i> , 2020, 742, 140413.	8.0	51
40	Detrimental vs. beneficial influence of ions during solar (SODIS) and photo-Fenton disinfection of <i>E. coli</i> in water: (Bi)carbonate, chloride, nitrate and nitrite effects. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118877.	20.2	64
41	Natural iron ligands promote a metal-based oxidation mechanism for the Fenton reaction in water environments. <i>Journal of Hazardous Materials</i> , 2020, 393, 122413.	12.4	53
42	Possible Effect of Climate Change on Surface-Water Photochemistry: A Model Assessment of the Impact of Browning on the Photodegradation of Pollutants in Lakes during Summer Stratification. Epilimnion vs. Whole-Lake Phototransformation. <i>Molecules</i> , 2020, 25, 2795.	3.8	14
43	Mapping the Photochemistry of European Mid-Latitudes Rivers: An Assessment of Their Ability to Photodegrade Contaminants. <i>Molecules</i> , 2020, 25, 424.	3.8	6
44	The Possible Production of Harmful Intermediates Is the “Dark Side” Of the Environmental Photochemistry of Contaminants (Potentially Adverse Effects, And Many Knowledge Gaps). <i>Environmental Science & Technology</i> , 2020, 54, 5328-5330.	10.0	14
45	Can a chemical be both readily biodegradable AND very persistent (vP)? Weight-of-evidence determination demonstrates that phenanthrene is not persistent in the environment. <i>Environmental Sciences Europe</i> , 2020, 32, .	5.5	14
46	Environmental photodegradation of emerging contaminants: A re-examination of the importance of triplet-sensitised processes, based on the use of 4-carboxybenzophenone as proxy for the chromophoric dissolved organic matter. <i>Chemosphere</i> , 2019, 237, 124476.	8.2	29
47	Photochemical consequences of prolonged hydrological drought: A model assessment of the Lower Lakes of the Murray-Darling Basin (Southern Australia). <i>Chemosphere</i> , 2019, 236, 124356.	8.2	9
48	Kinetic modeling of lag times during photo-induced inactivation of <i>E. coli</i> in sunlit surface waters: Unraveling the pathways of exogenous action. <i>Water Research</i> , 2019, 163, 114894.	11.3	26
49	Formation of highly oxygenated multifunctional compounds from cross-reactions of carbonyl compounds in the atmospheric aqueous phase. <i>Atmospheric Environment</i> , 2019, 219, 117046.	4.1	16
50	Desalination of Produced Water by Membrane Distillation: Effect of the Feed Components and of a Pre-treatment by Fenton Oxidation. <i>Scientific Reports</i> , 2019, 9, 14964.	3.3	57
51	Degradation of ibuprofen and phenol with a Fenton-like process triggered by zero-valent iron (ZVI-Fenton). <i>Environmental Research</i> , 2019, 179, 108750.	7.5	52
52	UV-induced transformation of 2,3-dibromo-5,6-dimethyl-1,4-benzoquinone in water and treated wastewater. <i>Environmental Research</i> , 2019, 175, 343-350.	7.5	4
53	Photochemistry of Surface Fresh Waters in the Framework of Climate Change. <i>Environmental Science & Technology</i> , 2019, 53, 7945-7963.	10.0	70
54	Formation of substances with humic-like fluorescence properties, upon photoinduced oligomerization of typical phenolic compounds emitted by biomass burning. <i>Atmospheric Environment</i> , 2019, 206, 197-207.	4.1	33

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55	Metabisulfite as an Unconventional Reagent for Green Oxidation of Emerging Contaminants Using an Iron-Based Catalyst. <i>ACS Omega</i> , 2019, 4, 20732-20741.	3.5	16
56	Ionic strength effects on the photochemical degradation of acetosyringone in atmospheric deliquescent aerosol particles. <i>Atmospheric Environment</i> , 2019, 198, 83-88.	4.1	26
57	A model assessment of the potential of river water to induce the photochemical attenuation of pharmaceuticals downstream of a wastewater treatment plant (Guadiana River, Badajoz, Spain). <i>Chemosphere</i> , 2018, 198, 473-481.	8.2	20
58	Evidence of an Important Role of Photochemistry in the Attenuation of the Secondary Contaminant 3,4-Dichloroaniline in Paddy Water. <i>Environmental Science & Technology</i> , 2018, 52, 6334-6342.	10.0	13
59	Phototransformation of L-tryptophan and formation of humic substances in water. <i>Environmental Chemistry Letters</i> , 2018, 16, 1035-1041.	16.2	12
60	New insights into the protogenic and spectroscopic properties of commercial tannic acid: the role of gallic acid impurities. <i>New Journal of Chemistry</i> , 2018, 42, 7703-7712.	2.8	25
61	Off-line and real-time monitoring of acetaminophen photodegradation by an electrochemical sensor. <i>Chemosphere</i> , 2018, 204, 556-562.	8.2	4
62	Simulation of photoreactive transients and of photochemical transformation of organic pollutants in sunlit boreal lakes across 14 degrees of latitude: A photochemical mapping of Sweden. <i>Water Research</i> , 2018, 129, 94-104.	11.3	22
63	Effects of the antioxidant moieties of dissolved organic matter on triplet-sensitized phototransformation processes: Implications for the photochemical modeling of sulfadiazine. <i>Water Research</i> , 2018, 128, 38-48.	11.3	51
64	Carbon nanoparticles for solar disinfection of water. <i>Journal of Hazardous Materials</i> , 2018, 343, 157-165.	12.4	21
65	Effect of pH on Zero Valent Iron Performance in Heterogeneous Fenton and Fenton-Like Processes: A Review. <i>Molecules</i> , 2018, 23, 3127.	3.8	98
66	Photoinduced disinfection in sunlit natural waters: Measurement of the second order inactivation rate constants between E.Âcoli and photogenerated transient species. <i>Water Research</i> , 2018, 147, 242-253.	11.3	29
67	Ionic-Strength Effects on the Reactive Uptake of Ozone on Aqueous Pyruvic Acid: Implications for Airâ€Sea Ozone Deposition. <i>Environmental Science & Technology</i> , 2018, 52, 12306-12315.	10.0	30
68	Coupling of Nanofiltration and Thermal Fenton Reaction for the Abatement of Carbamazepine in Wastewater. <i>ACS Omega</i> , 2018, 3, 9407-9418.	3.5	18
69	Exploring the ionic strength effects on the photochemical degradation of pyruvic acid in atmospheric deliquescent aerosol particles. <i>Atmospheric Environment</i> , 2018, 185, 237-242.	4.1	35
70	Modelling the photochemistry of imazethapyr in rice paddy water. <i>Science of the Total Environment</i> , 2018, 644, 1391-1398.	8.0	7
71	Modelled phototransformation kinetics of the antibiotic sulfadiazine in organic matter-rich lakes. <i>Science of the Total Environment</i> , 2018, 645, 1465-1473.	8.0	8
72	Application of an electro-activated glassy-carbon electrode to the determination of acetaminophen (paracetamol) in surface waters. <i>Electrochimica Acta</i> , 2018, 284, 279-286.	5.2	14

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73	An experimental methodology to measure the reaction rate constants of processes sensitised by the triplet state of 4-carboxybenzophenone as a proxy of the triplet states of chromophoric dissolved organic matter, under steady-state irradiation conditions. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1007-1019.	3.5	17
74	A model assessment of the role played by the carbonate ($\text{CO}_3^{\bullet-}$) and dibromide ($\text{Br}_2^{\bullet-}$) radicals in the photodegradation of glutathione in sunlit fresh- and salt-waters. <i>Chemosphere</i> , 2018, 209, 401-410.	8.2	10
75	Modelling the photochemical attenuation pathways of the fibrate drug gemfibrozil in surface waters. <i>Chemosphere</i> , 2017, 170, 124-133.	8.2	12
76	Phototransformation of the Herbicide Propanil in Paddy Field Water. <i>Environmental Science & Technology</i> , 2017, 51, 2695-2704.	10.0	40
77	Photoinduced transformation of pyridinium-based ionic liquids, and implications for their photochemical behavior in surface waters. <i>Water Research</i> , 2017, 122, 194-206.	11.3	28
78	The nature of the light absorption and emission transitions of 4-hydroxybenzophenone in different solvents. A combined computational and experimental study. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 527-538.	2.9	7
79	Phototransformation of Acesulfame K in surface waters: Comparison of two techniques for the measurement of the second-order rate constants of indirect photodegradation, and modelling of photoreaction kinetics. <i>Chemosphere</i> , 2017, 186, 185-192.	8.2	23
80	Degradation of Methyl 2-Aminobenzoate (Methyl Anthranilate) by $\text{H}_2\text{O}_2/\text{UV}$: Effect of Inorganic Anions and Derived Radicals. <i>Molecules</i> , 2017, 22, 619.	3.8	22
81	A Model Study of the Photochemical Fate of As(III) in Paddy-Water. <i>Molecules</i> , 2017, 22, 445.	3.8	5
82	Photochemical Formation of Nitrite and Nitrous Acid (HONO) upon Irradiation of Nitrophenols in Aqueous Solution and in Viscous Secondary Organic Aerosol Proxy. <i>Environmental Science & Technology</i> , 2017, 51, 7486-7495.	10.0	42
83	Reviews and Syntheses: Ocean acidification and its potential impacts on marine ecosystems. <i>Biogeosciences</i> , 2016, 13, 1767-1786.	3.3	82
84	A Methodology to Discriminate Between Hydroxyl Radical-induced Processes and Direct Charge-transfer Reactions in Heterogeneous Photocatalysis. <i>Journal of Advanced Oxidation Technologies</i> , 2016, 19, .	0.5	1
85	Photochemical transformation of benzotriazole, relevant to sunlit surface waters: Assessing the possible role of triplet-sensitised processes. <i>Science of the Total Environment</i> , 2016, 566-567, 712-721.	8.0	9
86	Electrocatalysis in the oxidation of acetaminophen with an electrochemically activated glassy carbon electrode. <i>Electrochimica Acta</i> , 2016, 192, 139-147.	5.2	20
87	Influence of nitrogen speciation on the TDN measurement in fresh waters by high temperature catalytic oxidation and persulfate digestion. <i>International Journal of Environmental Analytical Chemistry</i> , 2016, 96, 474-489.	3.3	4
88	Photochemical Reactions in Sunlit Surface Waters. <i>Lecture Notes in Quantum Chemistry II</i> , 2016, , 343-376.	0.3	5
89	A model assessment of the ability of lake water in Terra Nova Bay, Antarctica, to induce the photochemical degradation of emerging contaminants. <i>Chemosphere</i> , 2016, 162, 91-98.	8.2	5
90	Assessing the phototransformation of diclofenac, clofibric acid and naproxen in surface waters: Model predictions and comparison with field data. <i>Water Research</i> , 2016, 105, 383-394.	11.3	67

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91	Considerable Fenton and photo-Fenton reactivity of passivated zero-valent iron. RSC Advances, 2016, 6, 86752-86761.	3.6	30
92	Why Dyes Should Not Be Used to Test the Photocatalytic Activity of Semiconductor Oxides. Environmental Science & Technology, 2016, 50, 2130-2131.	10.0	107
93	Modeling the photochemical transformation of nitrobenzene under conditions relevant to sunlit surface waters: Reaction pathways and formation of intermediates. Chemosphere, 2016, 145, 277-283.	8.2	16
94	Properties of the humic-like material arising from the photo-transformation of l -tyrosine. Science of the Total Environment, 2016, 545-546, 434-444.	8.0	31
95	Photochemical reaction of peroxyxynitrite and carbon dioxide could account for up to 15Å% of carbonate radicals generation in surface waters. Environmental Chemistry Letters, 2016, 14, 183-187.	16.2	11
96	A modeling approach to estimate the solar disinfection of viral indicator organisms in waste stabilization ponds and surface waters. Water Research, 2016, 88, 912-922.	11.3	45
97	Computational assessment of the fluorescence emission of phenol oligomers: A possible insight into the fluorescence properties of humic-like substances (HULIS). Journal of Photochemistry and Photobiology A: Chemistry, 2016, 315, 87-93.	3.9	41
98	Study of the photochemical transformation of 2-ethylhexyl 4-(dimethylamino)benzoate (OD-PABA) under conditions relevant to surface waters. Water Research, 2016, 88, 235-244.	11.3	17
99	Long-term trends of chemical and modelled photochemical parameters in four Alpine lakes. Science of the Total Environment, 2016, 541, 247-256.	8.0	21
100	Photochemical processes induced by the irradiation of 4-hydroxybenzophenone in different solvents. Photochemical and Photobiological Sciences, 2015, 14, 2087-2096.	2.9	9
101	Investigation of the dynamics and kinetics involved in saline aerosol generation under air erosion of pure and contaminated halide salts. Journal of Aerosol Science, 2015, 81, 100-109.	3.8	1
102	Photogeneration of reactive transient species upon irradiation of natural water samples: Formation quantum yields in different spectral intervals, and implications for the photochemistry of surface waters. Water Research, 2015, 73, 145-156.	11.3	78
103	Conceptual Model and Experimental Framework to Determine the Contributions of Direct and Indirect Photoreactions to the Solar Disinfection of MS2, phiX174, and Adenovirus. Environmental Science & Technology, 2015, 49, 334-342.	10.0	70
104	Carbon Stable Isotope Fractionation of Sulfamethoxazole during Biodegradation by <i>Microbacterium</i> sp. Strain BR1 and upon Direct Photolysis. Environmental Science & Technology, 2015, 49, 6029-6036.	10.0	38
105	A model assessment of the importance of direct photolysis in the photo-fate of cephalosporins in surface waters: Possible formation of toxic intermediates. Chemosphere, 2015, 134, 452-458.	8.2	18
106	The mechanism behind the DOM effects on methylmercury photodegradation. Science Bulletin, 2015, 60, 1220-1221.	9.0	2
107	Influence of electron acceptors on the kinetics of metoprolol photocatalytic degradation in TiO ₂ suspension. A combined experimental and theoretical study. RSC Advances, 2015, 5, 54589-54604.	3.6	95
108	Charge-transfer complexes of 2,3-dichloro-5,6-dicyano-1,4-benzoquinone with amino molecules in polar solvents. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 75-82.	3.9	15

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109	Photo-Fenton reaction in the presence of morphologically controlled hematite as iron source. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 307-308, 99-107.	3.9	54
110	Photoinduced transformation of waste-derived soluble bio-based substances. <i>Chemical Engineering Journal</i> , 2015, 274, 247-255.	12.7	10
111	The fate of nitrogen upon nitrite irradiation: Formation of dissolved vs. gas-phase species. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 307-308, 30-34.	3.9	16
112	Dark production of hydroxyl radicals by aeration of anoxic lake water. <i>Science of the Total Environment</i> , 2015, 527-528, 322-327.	8.0	45
113	Imidazolium-Based Ionic Liquids in Water: Assessment of Photocatalytic and Photochemical Transformation. <i>Environmental Science & Technology</i> , 2015, 49, 10951-10958.	10.0	28
114	The role of direct photolysis and indirect photochemistry in the environmental fate of ethylhexyl methoxy cinnamate (EHMC) in surface waters. <i>Science of the Total Environment</i> , 2015, 537, 58-68.	8.0	35
115	Environmental Implications of Hydroxyl Radicals (OH^\bullet). <i>Chemical Reviews</i> , 2015, 115, 13051-13092.	47.7	998
116	Activation of Persulfate by Irradiated Magnetite: Implications for the Degradation of Phenol under Heterogeneous Photo-Fenton-Like Conditions. <i>Environmental Science & Technology</i> , 2015, 49, 1043-1050.	10.0	216
117	Photochemical transformation of phenylurea herbicides in surface waters: A model assessment of persistence, and implications for the possible generation of hazardous intermediates. <i>Chemosphere</i> , 2015, 119, 601-607.	8.2	27
118	New insights into the environmental photochemistry of 5-chloro-2-(2,4-dichlorophenoxy)phenol (triclosan): Reconsidering the importance of indirect photoreactions. <i>Water Research</i> , 2015, 72, 271-280.	11.3	56
119	Applications of Liquid Chromatographic Techniques in the Chemical Characterization of Atmospheric Aerosols. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 322-348.	1.0	7
120	Indirect Photochemistry in Sunlit Surface Waters: Photoinduced Production of Reactive Transient Species. <i>Chemistry - A European Journal</i> , 2014, 20, 10590-10606.	3.3	325
121	Effects of climate change on surface-water photochemistry: a review. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11770-11780.	5.3	15
122	Photosensitized humic-like substances (HULIS) formation processes of atmospheric significance: a review. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11614-11622.	5.3	21
123	Assessing the photochemical transformation pathways of acetaminophen relevant to surface waters: Transformation kinetics, intermediates, and modelling. <i>Water Research</i> , 2014, 53, 235-248.	11.3	106
124	Photo-Fenton oxidation of phenol with magnetite as iron source. <i>Applied Catalysis B: Environmental</i> , 2014, 154-155, 102-109.	20.2	136
125	Formation and reactivity of the dichloride radical ($\text{Cl}_2^{\bullet-}$). <i>Chemosphere</i> , 2014, 95, 464-469.	8.2	32
126	APEX (Aqueous Photochemistry of Environmentally occurring Xenobiotics): a free software tool to predict the kinetics of photochemical processes in surface waters. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 732-740.	3.5	107

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127	The role of humic and fulvic acids in the phototransformation of phenolic compounds in seawater. <i>Science of the Total Environment</i> , 2014, 493, 411-418.	8.0	37
128	Phototransformation pathways of the fungicide dimethomorph ((E,Z)) in surface waters. <i>Science of the Total Environment</i> , 2014, 500-501, 351-360.	8.0	22
129	A test of the potentialities of the APEX software (Aqueous Photochemistry of Environmentally) in surface waters, based on literature kinetic data. <i>Chemosphere</i> , 2014, 99, 272-275.	8.2	13
130	Photoenhanced transformation of nicotine in aquatic environments: Involvement of naturally occurring radical sources. <i>Water Research</i> , 2014, 55, 106-114.	11.3	32
131	Photochemical generation of photoactive compounds with fulvic-like and humic-like fluorescence in aqueous solution. <i>Chemosphere</i> , 2014, 111, 529-536.	8.2	48
132	Sources, factors, mechanisms and possible solutions to pollutants in marine ecosystems. <i>Environmental Pollution</i> , 2013, 182, 461-478.	7.5	45
133	Photochemical transformation of ibuprofen into harmful 4-isobutylacetophenone: Pathways, kinetics, and significance for surface waters. <i>Water Research</i> , 2013, 47, 6109-6121.	11.3	81
134	Optical and Photochemical Characterization of Chromophoric Dissolved Organic Matter from Lakes in Terra Nova Bay, Antarctica. Evidence of Considerable Photoreactivity in an Extreme Environment. <i>Environmental Science & Technology</i> , 2013, 47, 14089-14098.	10.0	71
135	A quantitative assessment of the production of $\text{E}^{\text{TM}}\text{OH}$ and additional oxidants in the dark Fenton reaction: Fenton degradation of aromatic amines. <i>RSC Advances</i> , 2013, 3, 26443.	3.6	44
136	Photochemical processes involving the UV absorber benzophenone-4 (2-hydroxy-4-methoxybenzophenone-5-sulphonic acid) in aqueous solution: Reaction pathways and implications for surface waters. <i>Water Research</i> , 2013, 47, 5943-5953.	11.3	62
137	Transformation of 2,4,6-trimethylphenol and furfuryl alcohol, photosensitized by Aldrich humic acids subject to different filtration procedures. <i>Chemosphere</i> , 2013, 90, 306-311.	8.2	34
138	Could triplet-sensitized transformation of phenolic compounds represent a source of fulvic-like substances in natural waters?. <i>Chemosphere</i> , 2013, 90, 881-884.	8.2	25
139	UV-vis spectral modifications of water samples under irradiation: Lake vs. subterranean water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 251, 85-93.	3.9	16
140	Photochemical transformation of atrazine and formation of photointermediates under conditions relevant to sunlit surface waters: Laboratory measures and modelling. <i>Water Research</i> , 2013, 47, 6211-6222.	11.3	71
141	Modelling lake-water photochemistry: Three-decade assessment of the steady-state concentration of photoreactive transients (OH , and $^3\text{CDOM}^{\text{--}}$) in the surface water of polymictic Lake Peipsi (Estonia/Russia). <i>Chemosphere</i> , 2013, 90, 2589-2596.	8.2	20
142	Phototransformation of the sunlight filter benzophenone-3 (2-hydroxy-4-methoxybenzophenone) under conditions relevant to surface waters. <i>Science of the Total Environment</i> , 2013, 463-464, 243-251.	8.0	67
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