Davide Vione

List of Publications by Year
in descending order

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	Environmental Implications of Hydroxyl Radicals (^{â€¢}OH). Chemical Reviews, 2015, 115, 13051-13092.	47.7	998
2	Photocatalytic Transformation of Organic Compounds in the Presence of Inorganic Ions. 2. Competitive Reactions of Phenol and Alcohols on a Titanium Dioxideâˆ'Fluoride Systemâ€. Langmuir, 2000, 16, 8964-8972.	3.5	388
3	Nitrated phenols in the atmosphere: a review. Atmospheric Environment, 2005, 39, 231-248.	4.1	348
4	Sources and Sinks of Hydroxyl Radicals upon Irradiation of Natural Water Samples. Environmental Science & Technology, 2006, 40, 3775-3781.	10.0	328
5	Indirect Photochemistry in Sunlit Surface Waters: Photoinduced Production of Reactive Transient Species. Chemistry - A European Journal, 2014, 20, 10590-10606.	3.3	325
6	Photodegradation Processes of the Antiepileptic Drug Carbamazepine, Relevant To Estuarine Waters. Environmental Science & Technology, 2006, 40, 5977-5983.	10.0	261
7	Activation of Persulfate by Irradiated Magnetite: Implications for the Degradation of Phenol under Heterogeneous Photo-Fenton-Like Conditions. Environmental Science & Technology, 2015, 49, 1043-1050.	10.0	216
8	Phenol degradation in water through a heterogeneous photo-Fenton process catalyzed by Fe-treated laponite. Water Research, 2009, 43, 1313-1322.	11.3	205
9	Photochemical reactions in the tropospheric aqueous phase and on particulate matter. Chemical Society Reviews, 2006, 35, 441-53.	38.1	195
10	Advanced oxidation processes in the removal of organic substances from produced water: Potential, configurations, and research needs. Chemical Engineering Journal, 2021, 414, 128668.	12.7	193
11	Reactive photoinduced species in estuarine waters. Characterization of hydroxyl radical, singlet oxygen and dissolved organic matter triplet state in natural oxidation processes. Photochemical and Photobiological Sciences, 2010, 9, 78-86.	2.9	167
12	Degradation of phenol and benzoic acid in the presence of a TiO2-based heterogeneous photocatalyst. Applied Catalysis B: Environmental, 2005, 58, 79-88.	20.2	155
13	Inhibition vs. enhancement of the nitrate-induced phototransformation of organic substrates by the â€¢OH scavengers bicarbonate and carbonate. Water Research, 2009, 43, 4718-4728.	11.3	136
14	Photo-Fenton oxidation of phenol with magnetite as iron source. Applied Catalysis B: Environmental, 2014, 154-155, 102-109.	20.2	136
15	A quantitative evalution of the photocatalytic performance of TiO2 slurries. Applied Catalysis B: Environmental, 2006, 67, 257-269.	20.2	131
16	Photochemical Fate of Carbamazepine in Surface Freshwaters: Laboratory Measures and Modeling. Environmental Science & Technology, 2012, 46, 8164-8173.	10.0	126
17	Performance and selectivity of the terephthalic acid probe for OH as a function of temperature, pH and composition of atmospherically relevant aqueous media. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 222, 70-76.	3.9	125
18	Fe(III)-Enhanced Sonochemical Degradation Of Methylene Blue In Aqueous Solution. Environmental Science & Technology, 2005, 39, 8936-8942.	10.0	119

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19	Photochemincal processes involving nitrite in surface water samples. Aquatic Sciences, 2007, 69, 71-85.	1.5	111
20	Enhancement of dye sonochemical degradation by some inorganic anions present in natural waters. Applied Catalysis B: Environmental, 2008, 77, 308-316.	20.2	109
21	Modelling the photochemical fate of ibuprofen in surface waters. Water Research, 2011, 45, 6725-6736.	11.3	109
22	APEX (Aqueous Photochemistry of Environmentally occurring Xenobiotics): a free software tool to predict the kinetics of photochemical processes in surface waters. Environmental Sciences: Processes and Impacts, 2014, 16, 732-740.	3.5	107
23	Why Dyes Should Not Be Used to Test the Photocatalytic Activity of Semiconductor Oxides. Environmental Science & Technology, 2016, 50, 2130-2131.	10.0	107
24	Assessing the photochemical transformation pathways of acetaminophen relevant to surface waters: Transformation kinetics, intermediates, and modelling. Water Research, 2014, 53, 235-248.	11.3	106
25	Photocatalytic degradation of metoprolol tartrate in suspensions of two TiO2-based photocatalysts with different surface area. Identification of intermediates and proposal of degradation pathways. Journal of Hazardous Materials, 2011, 198, 123-132.	12.4	103
26	New Processes in the Environmental Chemistry of Nitrite. 2. The Role of Hydrogen Peroxide. Environmental Science & Technology, 2003, 37, 4635-4641.	10.0	102
27	Polycyclic Aromatic Hydrocarbons in the Atmosphere: Monitoring, Sources, Sinks and Fate. II: Sinks and Fate. Annali Di Chimica, 2004, 94, 257-268.	0.6	100
28	Occurrence of 2,4-Dichlorophenol and of 2,4-Dichloro-6-Nitrophenol in the RhÃ´ne River Delta (Southern France). Environmental Science & Technology, 2007, 41, 3127-3133.	10.0	99
29	New Processes in the Environmental Chemistry of Nitrite:Â Nitration of Phenol upon Nitrite Photoinduced Oxidation. Environmental Science & Technology, 2002, 36, 669-676.	10.0	98
30	Effect of pH on Zero Valent Iron Performance in Heterogeneous Fenton and Fenton-Like Processes: A Review. Molecules, 2018, 23, 3127.	3.8	98
31	Influence of electron acceptors on the kinetics of metoprolol photocatalytic degradation in TiO₂ suspension. A combined experimental and theoretical study. RSC Advances, 2015, 5, 54589-54604.	3.6	95
32	Aqueous Atmospheric Chemistry:â€‰ Formation of 2,4-Dinitrophenol upon Nitration of 2-Nitrophenol and 4-Nitrophenol in Solution. Environmental Science & Technology, 2005, 39, 7921-7931.	10.0	92
33	Phenol Chlorination and Photochlorination in the Presence of Chloride Ions in Homogeneous Aqueous Solution. Environmental Science & Technology, 2005, 39, 5066-5075.	10.0	87
34	Phototransformation of selected human-used macrolides in surface water: Kinetics, model predictions and degradation pathways. Water Research, 2009, 43, 1959-1967.	11.3	84
35	Reviews and Syntheses: Ocean acidification and its potential impacts on marine ecosystems. Biogeosciences, 2016, 13, 1767-1786.	3.3	82
36	Phenol photonitration upon UV irradiation of nitrite in aqueous solution I: Effects of oxygen and 2-propanol. Chemosphere, 2001, 45, 893-902.	8.2	81

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37	Photochemical transformation of ibuprofen into harmful 4-isobutylacetophenone: Pathways, kinetics, and significance for surface waters. Water Research, 2013, 47, 6109-6121.	11.3	81
38	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
39	Nitration and Photonitration of Naphthalene in Aqueous Systems. Environmental Science & Technology, 2005, 39, 1101-1110.	10.0	72
40	Evidence of the water-cage effect on the photolysis of NO3âˆ’ and FeOH2+. Implications of this effect and of H2O2 surface accumulation on photochemistry at the airâ€“water interface of atmospheric droplets. Atmospheric Environment, 2010, 44, 4859-4866.	4.1	71
41	Optical and Photochemical Characterization of Chromophoric Dissolved Organic Matter from Lakes in Terra Nova Bay, Antarctica. Evidence of Considerable Photoreactivity in an Extreme Environment. Environmental Science & Technology, 2013, 47, 14089-14098.	10.0	71
42	Photochemical transformation of atrazine and formation of photointermediates under conditions relevant to sunlit surface waters: Laboratory measures and modelling. Water Research, 2013, 47, 6211-6222.	11.3	71
43	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
44	Photochemistry of Surface Fresh Waters in the Framework of Climate Change. Environmental Science & Technology, 2019, 53, 7945-7963.	10.0	70
45	Pesticide by-products in the RhÃ´ne delta (Southern France). The case of 4-chloro-2-methylphenol and of its nitroderivative. Chemosphere, 2009, 74, 599-604.	8.2	68
46	Modeling Phototransformation Reactions in Surface Water Bodies: 2,4-Dichloro-6-Nitrophenol As a Case Study. Environmental Science & Technology, 2011, 45, 209-214.	10.0	67
47	Phototransformation of the sunlight filter benzophenone-3 (2-hydroxy-4-methoxybenzophenone) under conditions relevant to surface waters. Science of the Total Environment, 2013, 463-464, 243-251.	8.0	67
48	Assessing the phototransformation of diclofenac, clofibric acid and naproxen in surface waters: Model predictions and comparison with field data. Water Research, 2016, 105, 383-394.	11.3	67
49	Effect of humic acids on the Fenton degradation of phenol. Environmental Chemistry Letters, 2004, 2, 129-133.	16.2	66
50	Detrimental vs. beneficial influence of ions during solar (SODIS) and photo-Fenton disinfection of E. coli in water: (Bi)carbonate, chloride, nitrate and nitrite effects. Applied Catalysis B: Environmental, 2020, 270, 118877.	20.2	64
51	Nitration and hydroxylation of benzene in the presence of nitrite/nitrous acid in aqueous solution. Chemosphere, 2004, 56, 1049-1059.	8.2	63
52	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. Water Research, 2013, 47, 5943-5953.	11.3	62
53	The pH-dependent photochemistry of anthraquinone-2-sulfonate. Photochemical and Photobiological Sciences, 2010, 9, 323-330.	2.9	61
54	The role of nitrite and nitrate ions as photosensitizers in the phototransformation of phenolic compounds in seawater. Science of the Total Environment, 2012, 439, 67-75.	8.0	61

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55	Photochemical generation of reactive species upon irradiation of rainwater: Negligible photoactivity of dissolved organic matter. Science of the Total Environment, 2010, 408, 3367-3373.	8.0	57
56	Desalination of Produced Water by Membrane Distillation: Effect of the Feed Components and of a Pre-treatment by Fenton Oxidation. Scientific Reports, 2019, 9, 14964.	3.3	57
57	New insights into the environmental photochemistry of 5-chloro-2-(2,4-dichlorophenoxy)phenol (triclosan): Reconsidering the importance of indirect photoreactions. Water Research, 2015, 72, 271-280.	11.3	56
58	Nano-MoO2 activates peroxymonosulfate for the degradation of PAH derivatives. Water Research, 2021, 192, 116834.	11.3	56
59	Formation of nitrophenols upon UV irradiation of phenol and nitrate in aqueous solutions and in TiO2 aqueous suspensions. Chemosphere, 2001, 44, 237-248.	8.2	55
60	Photochemical production of organic matter triplet states in water samples from mountain lakes, located below or above the tree line. Chemosphere, 2012, 88, 1208-1213.	8.2	55
61	Chemical and optical phototransformation of dissolved organic matter. Water Research, 2012, 46, 3197-3207.	11.3	54
62	Photoâ€“Fenton reaction in the presence of morphologically controlled hematite as iron source. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 307-308, 99-107.	3.9	54
63	Photochemistry of 1-Nitronaphthalene: A Potential Source of Singlet Oxygen and Radical Species in Atmospheric Waters. Journal of Physical Chemistry A, 2010, 114, 2830-2836.	2.5	53
64	Effect of dissolved organic compounds on the photodegradation of the herbicide MCPA in aqueous solution. Water Research, 2010, 44, 6053-6062.	11.3	53
65	Natural iron ligands promote a metal-based oxidation mechanism for the Fenton reaction in water environments. Journal of Hazardous Materials, 2020, 393, 122413.	12.4	53
66	Photo-oxidative degradation of toluene in aqueous media by hydroxyl radicals. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 215, 59-68.	3.9	52
67	Photochemical, microbial and metal complexation behavior of fluorescent dissolved organic matter in the aquatic environments. Geochemical Journal, 2011, 45, 235-254.	1.0	52
68	Theoretical and experimental evidence of the photonitration pathway of phenol and 4-chlorophenol: A mechanistic study of environmental significance. Photochemical and Photobiological Sciences, 2012, 11, 418-424.	2.9	52
69	Degradation of ibuprofen and phenol with a Fenton-like process triggered by zero-valent iron (ZVI-Fenton). Environmental Research, 2019, 179, 108750.	7.5	52
70	Effects of the antioxidant moieties of dissolved organic matter on triplet-sensitized phototransformation processes: Implications for the photochemical modeling of sulfadiazine. Water Research, 2018, 128, 38-48.	11.3	51
71	Degradation of nanoplastics in the environment: Reactivity and impact on atmospheric and surface waters. Science of the Total Environment, 2020, 742, 140413.	8.0	51
72	Assessing the occurrence of the dibromide radical (Br2â^') in natural waters: Measures of triplet-sensitised formation, reactivity, and modelling. Science of the Total Environment, 2012, 439, 299-306.	8.0	50

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73	Phototransformation of anthraquinone-2-sulphonate in aqueous solution. Photochemical and Photobiological Sciences, 2012, 11, 1445-1453.	2.9	49
74	Photochemical generation of photoactive compounds with fulvic-like and humic-like fluorescence in aqueous solution. Chemosphere, 2014, 111, 529-536.	8.2	48
75	Formation of hydroxyl radicals by irradiated 1-nitronaphthalene (1NN): oxidation of hydroxyl ions and water by the 1NN triplet state. Photochemical and Photobiological Sciences, 2011, 10, 1817-1824.	2.9	47
76	Transformation of phenolic compounds upon UVA irradiation of anthraquinone-2-sulfonate. Photochemical and Photobiological Sciences, 2008, 7, 321-327.	2.9	46
77	Quantification of singlet oxygen and hydroxyl radicals upon UV irradiation of surface water. Environmental Chemistry Letters, 2010, 8, 193-198.	16.2	45
78	Sources, factors, mechanisms and possible solutions to pollutants in marine ecosystems. Environmental Pollution, 2013, 182, 461-478.	7.5	45
79	Dark production of hydroxyl radicals by aeration of anoxic lake water. Science of the Total Environment, 2015, 527-528, 322-327.	8.0	45
80	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
81	Assessing the transformation kinetics of 2- and 4-nitrophenol in the atmospheric aqueous phase. Implications for the distribution of both nitroisomers in the atmosphere. Atmospheric Environment, 2009, 43, 2321-2327.	4.1	44
82	A quantitative assessment of the production of Ë™OH and additional oxidants in the dark Fenton reaction: Fenton degradation of aromatic amines. RSC Advances, 2013, 3, 26443.	3.6	44
83	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. Molecules, 2021, 26, 4584.	3.8	43
84	A comparative study of the activity of TiO2 Wackherr and Degussa P25 in the photocatalytic degradation of picloram. Applied Catalysis B: Environmental, 2011, 105, 191-198.	20.2	42
85	Photochemical Formation of Nitrite and Nitrous Acid (HONO) upon Irradiation of Nitrophenols in Aqueous Solution and in Viscous Secondary Organic Aerosol Proxy. Environmental Science & Technology, 2017, 51, 7486-7495.	10.0	42
86	Phenol photonitration upon UV irradiation of nitrite in aqueous solution II: effects of pH and TiO2. Chemosphere, 2001, 45, 903-910.	8.2	41
87	Modelling the occurrence and reactivity of the carbonate radical in surface freshwater. Comptes Rendus Chimie, 2009, 12, 865-871.	0.5	41
88	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
89	Phototransformation of the Herbicide Propanil in Paddy Field Water. Environmental Science & Technology, 2017, 51, 2695-2704.	10.0	40
90	Photostability and photolability of dissolved organic matter upon irradiation of natural water samples under simulated sunlight. Aquatic Sciences, 2009, 71, 34-45.	1.5	39

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91	On the effect of 2-propanol on phenol photonitration upon nitrate photolysis. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 224, 68-70.	3.9	39
92	Photostability and Stability over Time of Retinyl Palmitate in an O/W Emulsion and in SLN Introduced in the Emulsion. Journal of Dispersion Science and Technology, 2005, 26, 125-138.	2.4	38
93	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
94	The role of humic and fulvic acids in the phototransformation of phenolic compounds in seawater. Science of the Total Environment, 2014, 493, 411-418.	8.0	37
95	Determination and photodegradation of sertraline residues in aqueous environment. Environmental Pollution, 2020, 256, 113431.	7.5	37
96	A kinetic study of phenol nitration and nitrosation with nitrous acid in the dark. Environmental Chemistry Letters, 2004, 2, 135-139.	16.2	36
97	The role of direct photolysis and indirect photochemistry in the environmental fate of ethylhexyl methoxy cinnamate (EHMC) in surface waters. Science of the Total Environment, 2015, 537, 58-68.	8.0	35
98	Exploring the ionic strength effects on the photochemical degradation of pyruvic acid in atmospheric deliquescent aerosol particles. Atmospheric Environment, 2018, 185, 237-242.	4.1	35
99	A Critical View of the Application of the APEX Software (Aqueous Photochemistry of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Molecules, 2020, 25, 9.	3.8	35
100	Modelling the occurrence and reactivity of hydroxyl radicals in surface waters: implications for the fate of selected pesticides. International Journal of Environmental Analytical Chemistry, 2010, 90, 260-275.	3.3	34
101	Transformation of 2,4,6-trimethylphenol and furfuryl alcohol, photosensitised by Aldrich humic acids subject to different filtration procedures. Chemosphere, 2013, 90, 306-311.	8.2	34
102	Bicarbonate-enhanced transformation of phenol upon irradiation of hematite, nitrate, and nitrite. Photochemical and Photobiological Sciences, 2009, 8, 91-100.	2.9	33
103	Comparison of different probe molecules for the quantification of hydroxyl radicals in aqueous solution. Environmental Chemistry Letters, 2010, 8, 95-100.	16.2	33
104	Phototransformation processes of 2,4-dinitrophenol, relevant to atmospheric water droplets. Chemosphere, 2010, 80, 753-758.	8.2	33
105	Phenol transformation and dimerisation, photosensitised by the triplet state of 1-nitronaphthalene: A possible pathway to humic-like substances (HULIS) in atmospheric waters. Atmospheric Environment, 2013, 70, 318-327.	4.1	33
106	Formation of substances with humic-like fluorescence properties, upon photoinduced oligomerization of typical phenolic compounds emitted by biomass burning. Atmospheric Environment, 2019, 206, 197-207.	4.1	33
107	Phenol Photonitration and Photonitrosation upon Nitrite Photolysis in basic solution. International Journal of Environmental Analytical Chemistry, 2004, 84, 493-504.	3.3	32
108	Photoinduced transformation processes of 2,4-dichlorophenol and 2,6-dichlorophenol on nitrate irradiation. Chemosphere, 2007, 69, 1548-1554.	8.2	32

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109	Serum trace metal and ceruloplasmin variability in individuals treated for pulmonary tuberculosis. International Journal of Tuberculosis and Lung Disease, 2011, 15, 1239-1245.	1.2	32
110	Formation and reactivity of the dichloride radical (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 717 Td (xmlns:mml="http://www.w Chemosphere, 2014, 95, 464-469.	8.2	32
111	Photoenhanced transformation of nicotine in aquatic environments: Involvement of naturally occurring radical sources. Water Research, 2014, 55, 106-114.	11.3	32
112	Phenol nitration upon oxidation of nitrite by Mn(III,IV) (hydr)oxides. Chemosphere, 2004, 55, 941-949.	8.2	31
113	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
114	Spectrophotometric Characterisation of Surface Lakewater Samples: Implications for the Quantification of Nitrate and the Properties of Dissolved Organic Matter. Annali Di Chimica, 2007, 97, 1107-1116.	0.6	30
115	Considerable Fenton and photo-Fenton reactivity of passivated zero-valent iron. RSC Advances, 2016, 6, 86752-86761.	3.6	30
116	Ionic-Strength Effects on the Reactive Uptake of Ozone on Aqueous Pyruvic Acid: Implications for Airâ€“Sea Ozone Deposition. Environmental Science & Technology, 2018, 52, 12306-12315.	10.0	30
117	The atmospheric chemistry of hydrogen peroxide: a review. Annali Di Chimica, 2003, 93, 477-88.	0.6	30
118	On the effect of pH in aromatic photonitration upon nitrate photolysis. Chemosphere, 2007, 66, 650-656.	8.2	29
119	Formation of Organobrominated Compounds in the Presence of Bromide under Simulated Atmospheric Aerosol Conditions. ChemSusChem, 2008, 1, 197-204.	6.8	29
120	Photoinduced disinfection in sunlit natural waters: Measurement of the second order inactivation rate constants between E.Âcoli and photogenerated transient species. Water Research, 2018, 147, 242-253.	11.3	29
121	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. Chemosphere, 2019, 237, 124476.	8.2	29
122	A model approach to assess the long-term trends of indirect photochemistry in lake water. The case of Lake Maggiore (NW Italy). Science of the Total Environment, 2011, 409, 3463-3471.	8.0	28
123	Dissolved Organic Matter in Natural Waters. Environmental Science and Engineering, 2013, , 1-137.	0.2	28
124	Imidazolium-Based Ionic Liquids in Water: Assessment of Photocatalytic and Photochemical Transformation. Environmental Science & Technology, 2015, 49, 10951-10958.	10.0	28
125	Photoinduced transformation of pyridinium-based ionic liquids, and implications for their photochemical behavior in surface waters. Water Research, 2017, 122, 194-206.	11.3	28
126	Laboratory and field evidence of the photonitration of 4-chlorophenol to 2-nitro-4-chlorophenol and of the associated bicarbonate effect. Environmental Science and Pollution Research, 2010, 17, 1063-1069.	5.3	27

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127	Degradation of Monoethanolamine in Aqueous Solution by Fentonâ€™s Reagent with Biological Post-treatment. Water, Air, and Soil Pollution, 2010, 211, 273-286.	2.4	27
128	FT-IR Product Study of the Reactions of NO₃ Radicals With <i>ortho</i>-, <i>meta</i>-, and <i>para</i>-Cresol. Environmental Science & Technology, 2013, 47, 7729-7738.	10.0	27
129	Photochemical transformation of phenylurea herbicides in surface waters: A model assessment of persistence, and implications for the possible generation of hazardous intermediates. Chemosphere, 2015, 119, 601-607.	8.2	27
130	Kinetic modeling of lag times during photo-induced inactivation of E.Âcoli in sunlit surface waters: Unraveling the pathways of exogenous action. Water Research, 2019, 163, 114894.	11.3	26
131	Ionic strength effects on the photochemical degradation of acetosyringone in atmospheric deliquescent aerosol particles. Atmospheric Environment, 2019, 198, 83-88.	4.1	26
132	The role of direct photolysis in the photodegradation of the herbicide bentazone in natural surface waters. Chemosphere, 2020, 246, 125705.	8.2	26
133	Photostability of Trolox in Water/Ethanol, Water, and Oramix CG 110 in the Absence and in the Presence of TiO2. Journal of Dispersion Science and Technology, 2004, 25, 193-207.	2.4	25
134	Could triplet-sensitised transformation of phenolic compounds represent a source of fulvic-like substances in natural waters?. Chemosphere, 2013, 90, 881-884.	8.2	25
135	New insights into the protogenic and spectroscopic properties of commercial tannic acid: the role of gallic acid impurities. New Journal of Chemistry, 2018, 42, 7703-7712.	2.8	25
136	Phototransformation of 4-phenoxyphenol sensitised by 4-carboxybenzophenone: Evidence of new photochemical pathways in the bulk aqueous phase and on the surface of aerosol deliquescent particles. Atmospheric Environment, 2013, 81, 569-578.	4.1	24
137	Suppression of inhibition of substrate photodegradation by scavengers of hydroxyl radicals: the solvent-cage effect of bromide on nitrate photolysis. Environmental Chemistry Letters, 2009, 7, 337-342.	16.2	23
138	Photodegradation of nitrite in lake waters: role of dissolved organic matter. Environmental Chemistry, 2009, 6, 407.	1.5	23
139	Low to negligible photoactivity of lake-water matter in the size range from 0.1 to 5 Î¼m. Chemosphere, 2011, 83, 1480-1485.	8.2	23
140	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. Chemosphere, 2017, 186, 185-192.	8.2	23
141	Effect of selected organic and inorganic snow and cloud components on the photochemical generation of nitrite by nitrate irradiation. Chemosphere, 2007, 68, 2111-2117.	8.2	22
142	Complexation of Dissolved Organic Matter with Trace Metal Ions in Natural Waters. Environmental Science and Engineering, 2013, , 769-849.	0.2	22
143	Fluorescent Dissolved Organic Matter in Natural Waters. Environmental Science and Engineering, 2013, , 429-559.	0.2	22
144	Phototransformation pathways of the fungicide dimethomorph ((E,Z)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (4-[3-(4-chlorophenyl waters. Science of the Total Environment, 2014, 500-501, 351-360.	8.0	22

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145	Degradation of Methyl 2-Aminobenzoate (Methyl Anthranilate) by H2O2/UV: Effect of Inorganic Anions and Derived Radicals. Molecules, 2017, 22, 619.	3.8	22
146	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. Water Research, 2018, 129, 94-104.	11.3	22
147	Ionic Strength Effect Alters the Heterogeneous Ozone Oxidation of Methoxyphenols in Going from Cloud Droplets to Aerosol Deliquescent Particles. Environmental Science & Technology, 2020, 54, 12898-12907.	10.0	22
148	Aromatic photonitration in homogeneous and heterogeneous aqueous systems. Environmental Science and Pollution Research, 2003, 10, 321-324.	5.3	21
149	Transformations of Benzene Photoinduced by Nitrate Salts and Iron Oxide. Journal of Atmospheric Chemistry, 2005, 52, 259-281.	3.2	21
150	An Empirical, Quantitative Approach to Predict the Reactivity of Some Substituted Aromatic Compounds Towards Reactive Radical Species (Cl2-Â·, Br2-Â·, Â·NO2, SO3-Â·, SO4-Â·) in Aqueous Solution (3 pp). Environmental Science and Pollution Research, 2006, 13, 212-214.	5.3	21
151	Study on the Photodegradation of Salicylic Acid in Different Vehicles in the Absence and in the Presence of TiO2. Journal of Dispersion Science and Technology, 2007, 28, 805-818.	2.4	21
152	Specific effects of single antioxidants in the lipid peroxidation caused by nano-titania used in sunscreen lotions. Journal of Photochemistry and Photobiology B: Biology, 2009, 96, 130-135.	3.8	21
153	Phenol transformation photosensitised by quinoid compounds. Physical Chemistry Chemical Physics, 2011, 13, 11213.	2.8	21
154	Photochemical transformation of anionic 2-nitro-4-chlorophenol in surface waters: Laboratory and model assessment of the degradation kinetics, and comparison with field data. Science of the Total Environment, 2012, 426, 296-303.	8.0	21
155	Photosensitised humic-like substances (HULIS) formation processes of atmospheric significance: a review. Environmental Science and Pollution Research, 2014, 21, 11614-11622.	5.3	21
156	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
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