

# Valter Maurino

## List of Publications by Year in Descending Order

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**Version:** 2024-04-09

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

184 papers	7,762 citations	49 h-index	80 g-index
191 ext. papers	8,521 ext. citations	7.2 avg, IF	5.78 L-index

#	Paper	IF	Citations
184	Quantitative three-dimensional characterization of critical sizes of non-spherical TiO nanoparticles by using atomic force microscopy.. <i>Ultramicroscopy</i> , <b>2022</b> , 234, 113480	3.1	0
183	Monomeric (VO <sub>2</sub> <sup>+</sup> ) and dimeric mixed valence (V <sub>2</sub> O <sub>3</sub> <sup>3+</sup> ) vanadium species at the surface of shape controlled TiO <sub>2</sub> anatase nano crystals. <i>Journal of Catalysis</i> , <b>2022</b> , 406, 28-38	7.3	1
182	Correlative Analysis of the Dimensional Properties of Bipyramidal Titania Nanoparticles by Complementing Electron Microscopy with Other Methods.. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
181	Controlled Periodic Illumination Enhances Hydrogen Production by over 50% on Pt/TiO. <i>ACS Catalysis</i> , <b>2021</b> , 11, 6484-6488	13.1	3
180	Nanoparticle size, shape, and concentration measurement at once [Two VAMAS pre-standardization projects ready to start. <i>Microscopy and Microanalysis</i> , <b>2021</b> , 27, 2250-2251	0.5	
179	Towards 3D Understanding of Non-spherical Nanoparticles by Transmission Kikuchi Diffraction (TKD) for Improved Particle Size Distribution by Electron Microscopy. <i>Microscopy and Microanalysis</i> , <b>2020</b> , 26, 260-261	0.5	
178	Surface and Bulk Distribution of Fluorides and Ti <sup>3+</sup> Species in TiO <sub>2</sub> Nanosheets: Implications on Charge Carrier Dynamics and Photocatalysis. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 3141-3149	3.8	11
177	Machine learning approach for elucidating and predicting the role of synthesis parameters on the shape and size of TiO nanoparticles. <i>Scientific Reports</i> , <b>2020</b> , 10, 18910	4.9	8
176	Assessing a Photocatalytic Activity Index for TiO <sub>2</sub> Colloids by Controlled Periodic Illumination. <i>ACS Catalysis</i> , <b>2020</b> , 10, 9612-9623	13.1	4
175	Photocatalytic Transformations of 1H-Benzotriazole and Benzotriazole Derivates. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	2
174	Degradation of melamine in aqueous systems by vacuum UV-(VUV-) photolysis. An alternative to photocatalysis. <i>Catalysis Today</i> , <b>2020</b> , 340, 286-293	5.3	2
173	Portable photoreactor for on-site measurement of the activity of photocatalytic surfaces. <i>Catalysis Today</i> , <b>2020</b> , 340, 363-368	5.3	5
172	The Role of Surface Texture on the Photocatalytic H <sub>2</sub> Production on TiO <sub>2</sub> . <i>Catalysts</i> , <b>2019</b> , 9, 32	4	24
171	Formic Acid Photoreforming for Hydrogen Production on Shape-Controlled Anatase TiO <sub>2</sub> Nanoparticles: Assessment of the Role of Fluorides, {101}/{001} Surfaces Ratio, and Platinization. <i>ACS Catalysis</i> , <b>2019</b> , 9, 6692-6697	13.1	42
170	Shape-engineered titanium dioxide nanoparticles (TiO-NPs): cytotoxicity and genotoxicity in bronchial epithelial cells. <i>Food and Chemical Toxicology</i> , <b>2019</b> , 127, 89-100	4.7	34
169	Development of a rapid micro-Raman spectroscopy approach for detection of NIAS in LDPE pellets and extruded films for food packaging applications. <i>Polymer Testing</i> , <b>2019</b> , 80, 106098	4.5	10
168	Towards Accurate Analysis of Particle Size Distribution for Non-Spherically Shaped Nanoparticles as Quality Control Materials. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 2328-2329	0.5	6

167	Evaluation of the Photocatalytic Activity of a Cordierite-Honeycomb-Supported TiO Film with a Liquid-Solid Photoreactor. <i>Molecules</i> , <b>2019</b> , 24,	4.8	6
166	Different approaches for the solar photocatalytic removal of micro-contaminants from aqueous environment: Titania vs. hybrid magnetic iron oxides. <i>Catalysis Today</i> , <b>2019</b> , 328, 164-171	5.3	15
165	Evidence of an Important Role of Photochemistry in the Attenuation of the Secondary Contaminant 3,4-Dichloroaniline in Paddy Water. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 6334-6342	10.3	9
164	Morphology and structure of TixOynanoparticles generated by femtosecond laser ablation in water. <i>Materials Research Express</i> , <b>2018</b> , 5, 045015	1.7	1
163	Impacts of borehole heat exchangers (BHEs) on groundwater quality: the role of heat-carrier fluid and borehole grouting. <i>Environmental Earth Sciences</i> , <b>2018</b> , 77, 1	2.9	11
162	Indoor illumination: A possible pitfall in toxicological assessment of photo-active nanomaterials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 350, 23-31	4.7	2
161	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> , <b>2018</b> , 20, 1007-1019	4.3	13
160	Electron Microscopy and X-Ray Diffraction Analysis of Titanium Oxide Nanoparticles Synthesized by Pulsed Laser Ablation in Liquid. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 1710-1711	0.5	
159	BaCO <sub>3</sub> and NH <sub>3</sub> SO <sub>3</sub> as precursors for the hydrothermal synthesis of BaSO <sub>4</sub> . <i>CrystEngComm</i> , <b>2018</b> , 20, 7001-7009	3.3	
158	Beyond Shape Engineering of TiO <sub>2</sub> Nanoparticles: Post-Synthesis Treatment Dependence of Surface Hydration, Hydroxylation, Lewis Acidity and Photocatalytic Activity of TiO <sub>2</sub> Anatase Nanoparticles with Dominant {001} or {101} Facets. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 5355-5365	5.6	68
157	Modelling the photochemical attenuation pathways of the fibrate drug gemfibrozil in surface waters. <i>Chemosphere</i> , <b>2017</b> , 170, 124-133	8.4	8
156	Influence of agglomeration and aggregation on the photocatalytic activity of TiO <sub>2</sub> nanoparticles. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 216, 80-87	21.8	105
155	Visible-Light-Driven Photocatalytic Transformation of $\alpha$ -Unsaturated-N-Tosylhydrazones: A Novel Route to Allylic Sulfones. <i>ChemPhotoChem</i> , <b>2017</b> , 1, 56-59	3.3	8
154	A New Model for Nano-TiO <sub>2</sub> Crystal Birth and Growth in Hydrothermal Treatment Using an Oriented Attachment Approach. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 5640-5651	3.5	7
153	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> , <b>2017</b> , 186, 185-192	8.4	19
152	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 &amp; Technology</i> , <b>2017</b> , 51, 7486-7495	10.3	27
151	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> , <b>2016</b> , 162, 91-8	8.4	5
150	Assessing the phototransformation of diclofenac, clofibric acid and naproxen in surface waters: Model predictions and comparison with field data. <i>Water Research</i> , <b>2016</b> , 105, 383-394	12.5	49

149	Considerable Fenton and photo-Fenton reactivity of passivated zero-valent iron. <i>RSC Advances</i> , <b>2016</b> , 6, 86752-86761	3.7	25
148	A proof of the direct hole transfer in photocatalysis: The case of melamine. <i>Applied Catalysis A: General</i> , <b>2016</b> , 521, 57-67	5.1	20
147	Size resolved metal distribution in the PM matter of the city of Turin (Italy). <i>Chemosphere</i> , <b>2016</b> , 147, 477-89	8.4	30
146	Boosting visible light conversion in the confined pore space of nanoporous carbons. <i>Carbon</i> , <b>2016</b> , 96, 98-104	10.4	19
145	Carbon Materials as Additives to WO <sub>3</sub> for an Enhanced Conversion of Simulated Solar Light. <i>Frontiers in Materials</i> , <b>2016</b> , 3,	4	7
144	Shape engineered TiO <sub>2</sub> nanoparticles in <i>Caenorhabditis elegans</i> : a Raman imaging based approach to assist tissue-specific toxicological studies. <i>RSC Advances</i> , <b>2016</b> , 6, 70501-70509	3.7	14
143	Photochemical transformation of benzotriazole, relevant to sunlit surface waters: Assessing the possible role of triplet-sensitised processes. <i>Science of the Total Environment</i> , <b>2016</b> , 566-567, 712-721	10.2	8
142	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> , <b>2016</b> , 96, 474-489	1.8	2
141	A model assessment of the importance of direct photolysis in the photo-fate of cephalosporins in surface waters: Possible formation of toxic intermediates. <i>Chemosphere</i> , <b>2015</b> , 134, 452-8	8.4	16
140	PhotoFenton reaction in the presence of morphologically controlled hematite as iron source. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2015</b> , 307-308, 99-107	4.7	45
139	The fate of nitrogen upon nitrite irradiation: Formation of dissolved vs. gas-phase species. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2015</b> , 307-308, 30-34	4.7	12
138	Dark production of hydroxyl radicals by aeration of anoxic lake water. <i>Science of the Total Environment</i> , <b>2015</b> , 527-528, 322-7	10.2	33
137	Thin Film Nanocrystalline TiO <sub>2</sub> Electrodes: Dependence of Flat Band Potential on pH and Anion Adsorption. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 3348-58	1.3	10
136	Activation of persulfate by irradiated magnetite: implications for the degradation of phenol under heterogeneous photo-Fenton-like conditions. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 1043-50	10.3	184
135	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> , <b>2015</b> , 119, 601-607	8.4	23
134	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> , <b>2015</b> , 72, 271-80	12.5	46
133	Comparison of binding behavior for molecularly imprinted polymers prepared by hierarchical imprinting or Pickering emulsion polymerization. <i>Journal of Separation Science</i> , <b>2015</b> , 38, 3661-8	3.4	8
132	Shape Recognition of Nanoparticles by High-Resolution SEM and TSEM. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 2401-2402	0.5	7

131	Photochemical processes induced by the irradiation of 4-hydroxybenzophenone in different solvents. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 2087-96	4.2	7
130	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. <i>Water Research</i> , <b>2015</b> , 73, 145-56	12.5	55
129	Assessing the photochemical transformation pathways of acetaminophen relevant to surface waters: transformation kinetics, intermediates, and modelling. <i>Water Research</i> , <b>2014</b> , 53, 235-48	12.5	86
128	Photo-Fenton oxidation of phenol with magnetite as iron source. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 154-155, 102-109	21.8	111
127	Formation and reactivity of the dichloride radical (Cl <sub>2</sub> ( <sup>•</sup> )) in surface waters: a modelling approach. <i>Chemosphere</i> , <b>2014</b> , 95, 464-9	8.4	29
126	Phototransformation pathways of the fungicide dimethomorph ((E,Z) 4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]morpholine), relevant to sunlit surface waters. <i>Science of the Total Environment</i> , <b>2014</b> , 500-501, 351-60	10.2	15
125	Acetylene oligomerization on the surface of TiO <sub>2</sub> : a step forward in the in situ synthesis of nanostructured carbonaceous structures on the surface of photoactive oxides. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 12247-12254	13	22
124	PM10 size distribution of metals and environmental-sanitary risk analysis in the city of Torino. <i>Chemosphere</i> , <b>2014</b> , 112, 210-6	8.4	35
123	Photochemical generation of photoactive compounds with fulvic-like and humic-like fluorescence in aqueous solution. <i>Chemosphere</i> , <b>2014</b> , 111, 529-36	8.4	34
122	Indirect photochemistry in sunlit surface waters: photoinduced production of reactive transient species. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 10590-606	4.8	235
121	n-3 polyunsaturated fatty acids worsen inflammation and fibrosis in experimental nonalcoholic steatohepatitis. <i>Liver International</i> , <b>2014</b> , 34, 918-30	7.9	15
120	Effects of climate change on surface-water photochemistry: a review. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 11770-80	5.1	13
119	Influence of redox conditions and rice straw incorporation on nitrogen availability in fertilized paddy soils. <i>Biology and Fertility of Soils</i> , <b>2014</b> , 50, 755-764	6.1	36
118	Photosensitized humic-like substances (HULIS) formation processes of atmospheric significance: a review. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 11614-22	5.1	16
117	Shape-controlled TiO <sub>2</sub> nanoparticles and TiO <sub>2</sub> P25 interacting with CO and H <sub>2</sub> O <sub>2</sub> molecular probes: a synergic approach for surface structure recognition and physico-chemical understanding. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 307-15	3.6	61
116	Photochemical transformation of ibuprofen into harmful 4-isobutylacetophenone: pathways, kinetics, and significance for surface waters. <i>Water Research</i> , <b>2013</b> , 47, 6109-21	12.5	66
115	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 &amp; Technology</i> , <b>2013</b> , 47, 14089-98	10.3	53
114	A quantitative assessment of the production of OH and additional oxidants in the dark Fenton reaction: Fenton degradation of aromatic amines. <i>RSC Advances</i> , <b>2013</b> , 3, 26443	3.7	43

113	Surface features of TiO <sub>2</sub> nanoparticles: combination modes of adsorbed CO probe the stepping of (101) facets. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 13391-9	3.6	26
112	Transformation of 2,4,6-trimethylphenol and furfuryl alcohol, photosensitised by Aldrich humic acids subject to different filtration procedures. <i>Chemosphere</i> , <b>2013</b> , 90, 306-11	8.4	31
111	Could triplet-sensitised transformation of phenolic compounds represent a source of fulvic-like substances in natural waters?. <i>Chemosphere</i> , <b>2013</b> , 90, 881-4	8.4	24
110	Light-induced generation of radicals on semiconductor-free carbon photocatalysts. <i>Applied Catalysis A: General</i> , <b>2013</b> , 453, 310-315	5.1	44
109	Photoinduced reactions occurring on activated carbons. A combined photooxidation and ESR study. <i>Applied Catalysis A: General</i> , <b>2013</b> , 452, 1-8	5.1	49
108	UV-Vis spectral modifications of water samples under irradiation: Lake vs. subterranean water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 251, 85-93	4.7	15
107	Photochemical transformation of atrazine and formation of photointermediates under conditions relevant to sunlit surface waters: laboratory measures and modelling. <i>Water Research</i> , <b>2013</b> , 47, 6211-22	12.5	58
106	Modelling lake-water photochemistry: three-decade assessment of the steady-state concentration of photoreactive transients ( $^1\text{OH}$ , $\text{CO}_3^{2-}$ and (3)CDOM(*)) in the surface water of polymictic Lake Peipsi (Estonia/Russia). <i>Chemosphere</i> , <b>2013</b> , 90, 2589-96	8.4	18
105	Photocatalytic Mechanisms and Reaction Pathways Drawn from Kinetic and Probe Molecules <b>2013</b> , 53-72		7
104	Phenol transformation and dimerisation, photosensitised by the triplet state of 1-nitronaphthalene: A possible pathway to humic-like substances (HULIS) in atmospheric waters. <i>Atmospheric Environment</i> , <b>2013</b> , 70, 318-327	5.3	26
103	Modelling photochemical transformation of emerging organic pollutants in surface waters: effect of water level fluctuations following outflow or evaporation, relevant to arid and semi-arid environments. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2013</b> , 93, 1698-1717	1.8	7
102	Modelling the photochemical generation kinetics of 2-methyl-4-chlorophenol, an intermediate of the herbicide MCPA (2-methyl-4-chlorophenoxyacetic acid) in surface waters. <i>Aquatic Ecosystem Health and Management</i> , <b>2013</b> , 16, 216-221	1.4	10
101	Photochemical transformation of anionic 2-nitro-4-chlorophenol in surface waters: laboratory and model assessment of the degradation kinetics, and comparison with field data. <i>Science of the Total Environment</i> , <b>2012</b> , 426, 296-303	10.2	18
100	Phototransformation of anthraquinone-2-sulphonate in aqueous solution. <i>Photochemical and Photobiological Sciences</i> , <b>2012</b> , 11, 1445-53	4.2	46
99	Faster phototransformation of the formate (terrestrial) versus methanesulphonate (marine) markers of airborne particles: implications for modelling climate change. <i>Environmental Chemistry Letters</i> , <b>2012</b> , 10, 395-399	13.3	
98	Assessing the occurrence of the dibromide radical ( $\text{Br}_2^{\cdot}$ ) in natural waters: measures of triplet-sensitised formation, reactivity, and modelling. <i>Science of the Total Environment</i> , <b>2012</b> , 439, 299-306	10.2	37
97	Photochemical fate of carbamazepine in surface freshwaters: laboratory measures and modeling. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 8164-73	10.3	103
96	Chemical and optical phototransformation of dissolved organic matter. <i>Water Research</i> , <b>2012</b> , 46, 3197-2075	20.5	49



95	Glycerol as a probe molecule to uncover oxidation mechanism in photocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 128, 135-143	21.8	65
94	Theoretical and experimental evidence of the photonitration pathway of phenol and 4-chlorophenol: a mechanistic study of environmental significance. <i>Photochemical and Photobiological Sciences</i> , <b>2012</b> , 11, 418-24	4.2	38
93	Metrological traceability for benzo[a]pyrene quantification in airborne particulate matter. <i>Accreditation and Quality Assurance</i> , <b>2012</b> , 17, 191-197	0.7	3
92	Photochemical production of organic matter triplet states in water samples from mountain lakes, located below or above the tree line. <i>Chemosphere</i> , <b>2012</b> , 88, 1208-13	8.4	49
91	Photocatalytic metamaterials: TiO <sub>2</sub> inverse opals. <i>Chemical Communications</i> , <b>2011</b> , 47, 6147-9	5.8	65
90	Formation of hydroxyl radicals by irradiated 1-nitronaphthalene (1NN): oxidation of hydroxyl ions and water by the 1NN triplet state. <i>Photochemical and Photobiological Sciences</i> , <b>2011</b> , 10, 1817-24	4.2	42
89	Phenol transformation photosensitised by quinoid compounds. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 11213-21	3.6	20
88	Modelling the photochemical fate of ibuprofen in surface waters. <i>Water Research</i> , <b>2011</b> , 45, 6725-36	12.5	96
87	On the effect of 2-propanol on phenol photonitration upon nitrate photolysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2011</b> , 224, 68-70	4.7	28
86	A model approach to assess the long-term trends of indirect photochemistry in lake water. The case of Lake Maggiore (NW Italy). <i>Science of the Total Environment</i> , <b>2011</b> , 409, 3463-71	10.2	26
85	Low to negligible photoactivity of lake-water matter in the size range from 0.1 to 5 $\mu$ m. <i>Chemosphere</i> , <b>2011</b> , 83, 1480-5	8.4	23
84	Photochemical and photosensitised reactions involving 1-nitronaphthalene and nitrite in aqueous solution. <i>Photochemical and Photobiological Sciences</i> , <b>2011</b> , 10, 601-9	4.2	13
83	Modeling phototransformation reactions in surface water bodies: 2,4-dichloro-6-nitrophenol as a case study. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 209-14	10.3	62
82	Photoelectrochemical study of TiO <sub>2</sub> inverse opals. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 19144		26
81	Modelling the occurrence and reactivity of hydroxyl radicals in surface waters: implications for the fate of selected pesticides. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2010</b> , 90, 260-275	1.8	27
80	The pH-dependent photochemistry of anthraquinone-2-sulfonate. <i>Photochemical and Photobiological Sciences</i> , <b>2010</b> , 9, 323-30	4.2	55
79	Effect of dissolved organic compounds on the photodegradation of the herbicide MCPA in aqueous solution. <i>Water Research</i> , <b>2010</b> , 44, 6053-62	12.5	50
78	Effect of fluorination on the surface properties of titania P25 powder: an FTIR study. <i>Langmuir</i> , <b>2010</b> , 26, 2521-7	4	103

77	Comparison of different probe molecules for the quantification of hydroxyl radicals in aqueous solution. <i>Environmental Chemistry Letters</i> , <b>2010</b> , 8, 95-100	13.3	28
76	Quantification of singlet oxygen and hydroxyl radicals upon UV irradiation of surface water. <i>Environmental Chemistry Letters</i> , <b>2010</b> , 8, 193-198	13.3	37
75	Laboratory and field evidence of the photonitration of 4-chlorophenol to 2-nitro-4-chlorophenol and of the associated bicarbonate effect. <i>Environmental Science and Pollution Research</i> , <b>2010</b> , 17, 1063-95.1	5.1	21
74	Evidence of the water-cage effect on the photolysis of NO <sub>3</sub> <sup>-</sup> and FeOH <sub>2</sub> <sup>+</sup> . Implications of this effect and of H <sub>2</sub> O <sub>2</sub> surface accumulation on photochemistry at the air-water interface of atmospheric droplets. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 4859-4866	5.3	59
73	Enhancement by anthraquinone-2-sulphonate of the photonitration of phenol by nitrite: implication for the photoproduction of nitrogen dioxide by coloured dissolved organic matter in surface waters. <i>Chemosphere</i> , <b>2010</b> , 81, 1401-6	8.4	13
72	An overview of possible processes able to account for the occurrence of nitro-PAHs in Antarctic particulate matter. <i>Microchemical Journal</i> , <b>2010</b> , 96, 213-217	4.8	11
71	Assessing the transformation kinetics of 2- and 4-nitrophenol in the atmospheric aqueous phase. Implications for the distribution of both nitroisomers in the atmosphere. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 2321-2327	5.3	36
70	Suppression of inhibition of substrate photodegradation by scavengers of hydroxyl radicals: the solvent-cage effect of bromide on nitrate photolysis. <i>Environmental Chemistry Letters</i> , <b>2009</b> , 7, 337-342	13.3	22
69	Photostability and photolability of dissolved organic matter upon irradiation of natural water samples under simulated sunlight. <i>Aquatic Sciences</i> , <b>2009</b> , 71, 34-45	2.5	36
68	Modelling the occurrence and reactivity of the carbonate radical in surface freshwater. <i>Comptes Rendus Chimie</i> , <b>2009</b> , 12, 865-871	2.7	36
67	Pesticide by-products in the Rhône delta (Southern France). The case of 4-chloro-2-methylphenol and of its nitroderivative. <i>Chemosphere</i> , <b>2009</b> , 74, 599-604	8.4	60
66	Inhibition vs. enhancement of the nitrate-induced phototransformation of organic substrates by the *OH scavengers bicarbonate and carbonate. <i>Water Research</i> , <b>2009</b> , 43, 4718-28	12.5	106
65	Bicarbonate-enhanced transformation of phenol upon irradiation of hematite, nitrate, and nitrite. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 91-100	4.2	28
64	Photodegradation of nitrite in lake waters: role of dissolved organic matter. <i>Environmental Chemistry</i> , <b>2009</b> , 6, 407	3.2	18
63	Transformation of phenolic compounds upon UVA irradiation of anthraquinone-2-sulfonate. <i>Photochemical and Photobiological Sciences</i> , <b>2008</b> , 7, 321-7	4.2	43
62	Glycerol Transformation Through Photocatalysis: A Possible Route to Value Added Chemicals. <i>Journal of Advanced Oxidation Technologies</i> , <b>2008</b> , 11,		9
61	Phenol transformation induced by UVA photolysis of the complex FeCl <sub>2</sub> <sup>+</sup> . <i>Environmental Chemistry Letters</i> , <b>2008</b> , 6, 29-34	13.3	14
60	Formation of organobrominated compounds in the presence of bromide under simulated atmospheric aerosol conditions. <i>ChemSusChem</i> , <b>2008</b> , 1, 197-204	8.3	23



59	Enhancement of dye sonochemical degradation by some inorganic anions present in natural waters. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 77, 308-316	21.8	97
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