

Claudio Minero

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302 papers	13,869 citations	63 h-index	101 g-index
320 ext. papers	15,023 ext. citations	7.7 avg, IF	6.37 L-index

#	Paper	IF	Citations
302	Photocatalytic Transformation of Organic Compounds in the Presence of Inorganic Anions. 1. Hydroxyl-Mediated and Direct Electron-Transfer Reactions of Phenol on a Titanium Dioxide/Fluoride System. <i>Langmuir</i> , 2000 , 16, 2632-2641	4	435
301	Photocatalytic degradation of atrazine and other s-triazine herbicides. <i>Environmental Science & Technology</i> , 1990 , 24, 1559-1565	10.3	359
300	Photocatalytic Transformation of Organic Compounds in the Presence of Inorganic Ions. 2. Competitive Reactions of Phenol and Alcohols on a Titanium Dioxide/Fluoride System. <i>Langmuir</i> , 2000 , 16, 8964-8972	4	355
299	Cloud point transition in nonionic micellar solutions. <i>The Journal of Physical Chemistry</i> , 1984 , 88, 309-317		305
298	Sources and sinks of hydroxyl radicals upon irradiation of natural water samples. <i>Environmental Science & Technology</i> , 2006 , 40, 3775-81	10.3	271
297	Mechanism of the photo-oxidative degradation of organic pollutants over TiO ₂ particles. <i>Electrochimica Acta</i> , 1993 , 38, 47-55	6.7	269
296	Kinetic studies in heterogeneous photocatalysis. 2. Titania-mediated degradation of 4-chlorophenol alone and in a three-component mixture of 4-chlorophenol, 2,4-dichlorophenol, and 2,4,5-trichlorophenol in air-equilibrated aqueous media. <i>Langmuir</i> , 1989 , 5, 250-255	4	252
295	Analytical applications of organized molecular assemblies. <i>Analytica Chimica Acta</i> , 1985 , 169, 1-29	6.6	244
294	Photocatalytic degradation of phenol in aqueous titanium dioxide dispersions. <i>Toxicological and Environmental Chemistry</i> , 1988 , 16, 89-109	1.4	243
293	Indirect photochemistry in sunlit surface waters: photoinduced production of reactive transient species. <i>Chemistry - A European Journal</i> , 2014 , 20, 10590-606	4.8	235
292	Role of adsorption in photocatalyzed reactions of organic molecules in aqueous titania suspensions. <i>Langmuir</i> , 1992 , 8, 481-486	4	222
291	Photodegradation processes of the antiepileptic drug carbamazepine, relevant to estuarine waters. <i>Environmental Science & Technology</i> , 2006 , 40, 5977-83	10.3	221
290	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, 1043-50	10.3	184
289	Photochemical reactions in the tropospheric aqueous phase and on particulate matter. <i>Chemical Society Reviews</i> , 2006 , 35, 441-53	58.5	164
288	Chemical degradation of chlorophenols with Fenton's reagent (Fe ²⁺ + H ₂ O ₂). <i>Chemosphere</i> , 1987 , 16, 2225-2237	8.4	162
287	Sustained production of H ₂ O ₂ on irradiated TiO ₂ -fluoride systems. <i>Chemical Communications</i> , 2005 , 2627-9	5.8	143
286	Degradation of phenol and benzoic acid in the presence of a TiO ₂ -based heterogeneous photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2005 , 58, 79-88	21.8	141

285	Photocatalytic degradation of nonylphenol ethoxylated surfactants. <i>Environmental Science & Technology</i> , 1989 , 23, 1380-1385	10.3	141
284	Kinetic analysis of photoinduced reactions at the water semiconductor interface. <i>Catalysis Today</i> , 1999 , 54, 205-216	5.3	123
283	Photodegradation of dichlorophenols and trichlorophenols in TiO ₂ aqueous suspensions: kinetic effects of the positions of the Cl atoms and identification of the intermediates. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993 , 72, 261-267	4.7	118
282	A local proton source in a [Mn(bpy-R)(CO) ₃ Br]-type redox catalyst enables CO ₂ reduction even in the absence of Brønsted acids. <i>Chemical Communications</i> , 2014 , 50, 14670-3	5.8	117
281	A quantitative evaluation of the photocatalytic performance of TiO ₂ slurries. <i>Applied Catalysis B: Environmental</i> , 2006 , 67, 257-269	21.8	114
280	Photo-Fenton oxidation of phenol with magnetite as iron source. <i>Applied Catalysis B: Environmental</i> , 2014 , 154-155, 102-109	21.8	111
279	Compound parabolic concentrator technology development to commercial solar detoxification applications. <i>Solar Energy</i> , 1999 , 67, 317-330	6.8	108
278	Inhibition vs. enhancement of the nitrate-induced phototransformation of organic substrates by the [•] OH scavengers bicarbonate and carbonate. <i>Water Research</i> , 2009 , 43, 4718-28	12.5	106
277	Fe(III)-enhanced sonochemical degradation of methylene blue in aqueous solution. <i>Environmental Science & Technology</i> , 2005 , 39, 8936-42	10.3	106
276	Influence of agglomeration and aggregation on the photocatalytic activity of TiO ₂ nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2017 , 216, 80-87	21.8	105
275	Large solar plant photocatalytic water decontamination: Degradation of pentachlorophenol. <i>Chemosphere</i> , 1993 , 26, 2103-2119	8.4	105
274	Photochemical fate of carbamazepine in surface freshwaters: laboratory measures and modeling. <i>Environmental Science & Technology</i> , 2012 , 46, 8164-73	10.3	103
273	Effect of fluorination on the surface properties of titania P25 powder: an FTIR study. <i>Langmuir</i> , 2010 , 26, 2521-7	4	103
272	Performance and selectivity of the terephthalic acid probe for OH as a function of temperature, pH and composition of atmospherically relevant aqueous media. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 222, 70-76	4.7	99
271	Photocatalytically Assisted Hydrolysis of Chlorinated Methanes under Anaerobic Conditions. <i>Environmental Science & Technology</i> , 1997 , 31, 2198-2203	10.3	97
270	Enhancement of dye sonochemical degradation by some inorganic anions present in natural waters. <i>Applied Catalysis B: Environmental</i> , 2008 , 77, 308-316	21.8	97
269	Modelling the photochemical fate of ibuprofen in surface waters. <i>Water Research</i> , 2011 , 45, 6725-36	12.5	96
268	Light-induced reduction of rhodium(III) and palladium(II) on titanium dioxide dispersions and the selective photochemical separation and recovery of gold(III), platinum(IV), and rhodium(III) in chloride media. <i>Inorganic Chemistry</i> , 1986 , 25, 4499-4503	5.1	95

267	Photochemical processes involving nitrite in surface water samples. <i>Aquatic Sciences</i> , 2007 , 69, 71-85	2.5	91
266	Large solar plant photocatalytic water decontamination: Effect of operational parameters. <i>Solar Energy</i> , 1996 , 56, 421-428	6.8	89
265	Photocatalytic process in TiO ₂ /graphene hybrid materials. Evidence of charge separation by electron transfer from reduced graphene oxide to TiO ₂ . <i>Catalysis Today</i> , 2017 , 281, 29-37	5.3	88
264	The fate of organic nitrogen in photocatalysis: an overview. <i>Journal of Applied Electrochemistry</i> , 2005 , 35, 665-673	2.6	88
263	Assessing the photochemical transformation pathways of acetaminophen relevant to surface waters: transformation kinetics, intermediates, and modelling. <i>Water Research</i> , 2014 , 53, 235-48	12.5	86
262	Occurrence of 2,4-dichlorophenol and of 2,4-dichloro-6-nitrophenol in the Rhone River Delta (Southern France). <i>Environmental Science & Technology</i> , 2007 , 41, 3127-33	10.3	86
261	New processes in the environmental chemistry of nitrite. 2. The role of hydrogen peroxide. <i>Environmental Science & Technology</i> , 2003 , 37, 4635-41	10.3	86
260	Photocatalytic degradation of polychlorinated dioxins and polychlorinated biphenyls in aqueous suspensions of semiconductors irradiated with simulated solar light. <i>Chemosphere</i> , 1988 , 17, 499-510	8.4	86
259	Critical properties of nonionic micellar solutions. <i>Journal of Chemical Physics</i> , 1985 , 82, 1025-1031	3.9	86
258	New processes in the environmental chemistry of nitrite: nitration of phenol upon nitrite photoinduced oxidation. <i>Environmental Science & Technology</i> , 2002 , 36, 669-76	10.3	84
257	The role of colloidal particles in the photodegradation of organic compounds of environmental concern in aquatic systems. <i>Advances in Colloid and Interface Science</i> , 1990 , 32, 271-316	14.3	84
256	Local Proton Source in Electrocatalytic CO Reduction with [Mn(bpy-R)(CO) Br] Complexes. <i>Chemistry - A European Journal</i> , 2017 , 23, 4782-4793	4.8	83
255	The fate of organic nitrogen under photocatalytic conditions: degradation of nitrophenols and aminophenols on irradiated TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997 , 109, 171-176	4.7	83
254	Sonochemical oxidation of phenol and three of its intermediate products in aqueous media: Catechol, hydroquinone, and benzoquinone. Kinetic and mechanistic aspects. <i>Research on Chemical Intermediates</i> , 1993 , 18, 183-202	2.8	83
253	Large solar plant photocatalytic water decontamination: Degradation of atrazine. <i>Solar Energy</i> , 1996 , 56, 411-419	6.8	82
252	Photocatalyzed mineralization of cresols in aqueous media with irradiated titania. <i>Journal of Catalysis</i> , 1991 , 128, 352-365	7.3	82
251	Formation of Condensation Products in Advanced Oxidation Technologies: The Photocatalytic Degradation of Dichlorophenols on TiO ₂ . <i>Environmental Science & Technology</i> , 1995 , 29, 2226-34	10.3	81
250	Light-assisted 1,4-dioxane degradation. <i>Chemosphere</i> , 1997 , 35, 2675-2688	8.4	80

249	Photocatalytic activity and selectivity of titania colloids and particles prepared by the sol-gel technique: photooxidation of phenol and atrazine. <i>Langmuir</i> , 1993 , 9, 2995-3001	4	76
248	Tailoring the Selectivity of Ti-Based Photocatalysts (TiO ₂ and Microporous ETS-10 and ETS-4) by Playing with Surface Morphology and Electronic Structure. <i>Chemistry of Materials</i> , 2006 , 18, 3412-3424	9.6	74
247	Phototransformations of nitrogen containing organic compounds over irradiated semiconductor metal oxides. <i>Coordination Chemistry Reviews</i> , 1993 , 125, 183-193	23.2	73
246	Phenol chlorination and photochlorination in the presence of chloride ions in homogeneous aqueous solution. <i>Environmental Science & Technology</i> , 2005 , 39, 5066-75	10.3	72
245	Kinetic studies in heterogeneous photocatalysis. 6. AM1 simulated sunlight photodegradation over titania in aqueous media: a first case of fluorinated aromatics and identification of intermediates. <i>Langmuir</i> , 1991 , 7, 928-936	4	70
244	Aqueous atmospheric chemistry: formation of 2,4-dinitrophenol upon nitration of 2-nitrophenol and 4-nitrophenol in solution. <i>Environmental Science & Technology</i> , 2005 , 39, 7921-31	10.3	67
243	Photochemical transformation of ibuprofen into harmful 4-isobutylacetophenone: pathways, kinetics, and significance for surface waters. <i>Water Research</i> , 2013 , 47, 6109-21	12.5	66
242	Glycerol as a probe molecule to uncover oxidation mechanism in photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2012 , 128, 135-143	21.8	65
241	Photocatalytic metamaterials: TiO ₂ inverse opals. <i>Chemical Communications</i> , 2011 , 47, 6147-9	5.8	65
240	Phototransformation of selected human-used macrolides in surface water: kinetics, model predictions and degradation pathways. <i>Water Research</i> , 2009 , 43, 1959-67	12.5	64
239	Phenol photonitration upon UV irradiation of nitrite in aqueous solution I: effects of oxygen and 2-propanol. <i>Chemosphere</i> , 2001 , 45, 893-902	8.4	63
238	Modeling phototransformation reactions in surface water bodies: 2,4-dichloro-6-nitrophenol as a case study. <i>Environmental Science & Technology</i> , 2011 , 45, 209-14	10.3	62
237	Light Induced Elimination of Mono- and Polychlorinated Phenols from Aqueous Solutions by PW12O ₄₀ ³⁻ . The Case of 2,4,6-Trichlorophenol. <i>Environmental Science & Technology</i> , 2000 , 34, 2024-2028	10.3	62
236	Pesticide by-products in the Rhône delta (Southern France). The case of 4-chloro-2-methylphenol and of its nitroderivative. <i>Chemosphere</i> , 2009 , 74, 599-604	8.4	60
235	Photocatalytic transformation of the antipsychotic drug risperidone in aqueous media on reduced graphene oxide/TiO ₂ composites. <i>Applied Catalysis B: Environmental</i> , 2016 , 183, 96-106	21.8	59
234	Evidence of the water-cage effect on the photolysis of NO ₃ ⁻ and FeOH ²⁺ . Implications of this effect and of H ₂ O ₂ surface accumulation on photochemistry at the air/water interface of atmospheric droplets. <i>Atmospheric Environment</i> , 2010 , 44, 4859-4866	5.3	59
233	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, 6211-22	12.5	58
232	Nitration and photonitration of naphthalene in aqueous systems. <i>Environmental Science & Technology</i> , 2005 , 39, 1101-10	10.3	58

231	Identification of photocatalytic degradation pathways of 2-Cl-s-triazine herbicides and detection of their decomposition intermediates. <i>Chemosphere</i> , 1992 , 24, 891-910	8.4	58
230	Solar driven production of toxic halogenated and nitroaromatic compounds in natural seawater. <i>Science of the Total Environment</i> , 2008 , 398, 196-202	10.2	57
229	Effect of humic acids on the Fenton degradation of phenol. <i>Environmental Chemistry Letters</i> , 2004 , 2, 129-133	13.3	56
228	Photocatalytic degradation of bentazon by TiO ₂ particles. <i>Chemosphere</i> , 1989 , 18, 1437-1445	8.4	56
227	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> , 2015 , 73, 145-56	12.5	55
226	The pH-dependent photochemistry of anthraquinone-2-sulfonate. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 323-30	4.2	55
225	Photocatalytic transformations of chlorinated methanes in the presence of electron and hole scavengers. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997 , 93, 3765-3771		55
224	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, 243-51	10.2	54
223	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, 14089-98	10.3	53
222	Photocatalytic mineralization of nitrogen-containing benzene derivatives. <i>Catalysis Today</i> , 1997 , 39, 187-195	5.95	53
221	Tuning TiO ₂ nanoparticle morphology in graphene-TiO ₂ hybrids by graphene surface modification. <i>Nanoscale</i> , 2014 , 6, 6710-9	7.7	51
220	Metal Oxides as Photocatalysts for Environmental Detoxification. <i>Comments on Inorganic Chemistry</i> , 1994 , 15, 297-337	3.9	51
219	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, 5943-53	12.5	50
218	Effect of dissolved organic compounds on the photodegradation of the herbicide MCPA in aqueous solution. <i>Water Research</i> , 2010 , 44, 6053-62	12.5	50
217	Photochemical generation of reactive species upon irradiation of rainwater: negligible photoactivity of dissolved organic matter. <i>Science of the Total Environment</i> , 2010 , 408, 3367-73	10.2	50
216	Photocatalytic degradation of DDT mediated in aqueous semiconductor slurries by simulated sunlight. <i>Environmental Toxicology and Chemistry</i> , 1989 , 8, 997-1002	3.8	50
215	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	12.5	49
214	Chemical and optical phototransformation of dissolved organic matter. <i>Water Research</i> , 2012 , 46, 3197-2075	20.75	49

213	Photochemical production of organic matter triplet states in water samples from mountain lakes, located below or above the tree line. <i>Chemosphere</i> , 2012 , 88, 1208-13	8.4	49
212	Nitration and hydroxylation of benzene in the presence of nitrite/nitrous acid in aqueous solution. <i>Chemosphere</i> , 2004 , 56, 1049-59	8.4	49
211	Photocatalytic hydrogen production on Pt-loaded TiO ₂ inverse opals. <i>Applied Catalysis B: Environmental</i> , 2015 , 163, 452-458	21.8	48
210	Photocatalytic interconversion of nitrogen-containing benzenederivatives. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997 , 93, 1993-2000		48
209	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, 271-80	12.5	46
208	Phototransformation of anthraquinone-2-sulphonate in aqueous solution. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 1445-53	4.2	46
207	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	4.7	45
206	Formation of nitrophenols upon UV irradiation of phenol and nitrate in aqueous solutions and in TiO ₂ aqueous suspensions. <i>Chemosphere</i> , 2001 , 44, 237-48	8.4	45
205	Photocatalytic transformation of sulfonylurea herbicides over irradiated titanium dioxide particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999 , 151, 329-338	5.1	44
204	Role of oxidative and reductive pathways in the photocatalytic degradation of organic compounds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999 , 151, 321-327	5.1	44
203	A quantitative assessment of the production of $\cdot\text{OH}$ and additional oxidants in the dark Fenton reaction: Fenton degradation of aromatic amines. <i>RSC Advances</i> , 2013 , 3, 26443	3.7	43
202	The role of nitrite and nitrate ions as photosensitizers in the phototransformation of phenolic compounds in seawater. <i>Science of the Total Environment</i> , 2012 , 439, 67-75	10.2	43
201	Transformation of phenolic compounds upon UVA irradiation of anthraquinone-2-sulfonate. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 321-7	4.2	43
200	Formic Acid Photoreforming for Hydrogen Production on Shape-Controlled Anatase TiO ₂ Nanoparticles: Assessment of the Role of Fluorides, {101}/{001} Surfaces Ratio, and Platinization. <i>ACS Catalysis</i> , 2019 , 9, 6692-6697	13.1	42
199	Photocatalytic degradation of selected anticancer drugs and identification of their transformation products in water by liquid chromatography-high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2014 , 1362, 135-44	4.5	42
198	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> , 2011 , 10, 1817-24	4.2	42
197	Photo-oxidative degradation of toluene in aqueous media by hydroxyl radicals. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 215, 59-68	4.7	41
196	Photosensitized transformations of atrazine under simulated sunlight in aqueous humic acid solution. <i>Chemosphere</i> , 1992 , 24, 1597-1606	8.4	41

195	Electrochemical Reduction of CO ₂ by M(CO) ₄ (diimine) Complexes (M=Mo, W): Catalytic Activity Improved by 2,2'-Dipyridylamine. <i>ChemElectroChem</i> , 2015 , 2, 1372-1379	4.3	40
194	Host-guest chemistry in the gas phase and at the gas-solid interface: Fundamental aspects and practical applications. <i>Pure and Applied Chemistry</i> , 1995 , 67, 1075-1084	2.1	40
193	Photo- and Electrocatalytic Reduction of CO ₂ by [Re(CO) ₃ (4 Diimine-(4-piperidiny-1,8-naphthalimide))Cl] Complexes. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 296-304	2.3	38
192	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> , 2012 , 11, 418-24	4.2	38
191	Assessing the occurrence of the dibromide radical (Br ₂ •) in natural waters: measures of triplet-sensitised formation, reactivity, and modelling. <i>Science of the Total Environment</i> , 2012 , 439, 299-306	10.2	37
190	Quantification of singlet oxygen and hydroxyl radicals upon UV irradiation of surface water. <i>Environmental Chemistry Letters</i> , 2010 , 8, 193-198	13.3	37
189	Phenol photonitration upon UV irradiation of nitrite in aqueous solution II: effects of pH and TiO ₂ . <i>Chemosphere</i> , 2001 , 45, 903-10	8.4	37
188	Photolytic and photocatalytic decomposition of bromomethanes in irradiated aqueous solutions. <i>Applied Catalysis B: Environmental</i> , 1999 , 21, 191-202	21.8	37
187	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> , 2009 , 43, 2321-2327	5.3	36
186	Photostability and photolability of dissolved organic matter upon irradiation of natural water samples under simulated sunlight. <i>Aquatic Sciences</i> , 2009 , 71, 34-45	2.5	36
185	Modelling the occurrence and reactivity of the carbonate radical in surface freshwater. <i>Comptes Rendus Chimie</i> , 2009 , 12, 865-871	2.7	36
184	A rigorous kinetic approach to model primary oxidative steps of photocatalytic degradations. <i>Solar Energy Materials and Solar Cells</i> , 1995 , 38, 421-430	6.4	35
183	Degradation of ibuprofen and phenol with a Fenton-like process triggered by zero-valent iron (ZVI-Fenton). <i>Environmental Research</i> , 2019 , 179, 108750	7.9	34
182	Photochemical generation of photoactive compounds with fulvic-like and humic-like fluorescence in aqueous solution. <i>Chemosphere</i> , 2014 , 111, 529-36	8.4	34
181	Different photocatalytic fate of amido nitrogen in formamide and urea. <i>Chemical Communications</i> , 2004 , 1504-5	5.8	34
180	Dark production of hydroxyl radicals by aeration of anoxic lake water. <i>Science of the Total Environment</i> , 2015 , 527-528, 322-7	10.2	33
179	Fate of selected pharmaceuticals in river waters. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 2262-70	5.1	33
178	Kinetic studies in heterogeneous photocatalysis 4. The photomineralization of a hydroquinone and a catechol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1990 , 55, 243-249	4.7	33

177	Phototransformation processes of 2,4-dinitrophenol, relevant to atmospheric water droplets. <i>Chemosphere</i> , 2010 , 80, 753-8	8.4	32
176	Heterogeneous photocatalytic transformations of s-triazine derivatives. <i>Research on Chemical Intermediates</i> , 1997 , 23, 291-310	2.8	32
175	Transformation of 2,4,6-trimethylphenol and furfuryl alcohol, photosensitised by Aldrich humic acids subject to different filtration procedures. <i>Chemosphere</i> , 2013 , 90, 306-11	8.4	31
174	Photocatalytic soil decontamination. <i>Chemosphere</i> , 1992 , 25, 343-351	8.4	31
173	Micellar properties of sodium dodecylpoly(oxyethylene) sulfates. <i>The Journal of Physical Chemistry</i> , 1986 , 90, 1620-1625		31
172	Size resolved metal distribution in the PM matter of the city of Turin (Italy). <i>Chemosphere</i> , 2016 , 147, 477-89	8.4	30
171	The role of humic and fulvic acids in the phototransformation of phenolic compounds in seawater. <i>Science of the Total Environment</i> , 2014 , 493, 411-8	10.2	30
170	Photocatalytic transformations of hydrocarbons at the sea water/air interface under solar radiation. <i>Marine Chemistry</i> , 1997 , 58, 361-372	3.7	30
169	Determination of trace amounts of highly hydrophilic compounds in water by direct derivatization and gas chromatography mass spectrometry. <i>Fresenius Journal of Analytical Chemistry</i> , 1994 , 350, 403-409		30
168	Photocatalyzed transformation of nitrobenzene on TiO ₂ and ZnO. <i>Chemosphere</i> , 1994 , 28, 1229-1244	8.4	30
167	Formation and reactivity of the dichloride radical (Cl ₂ (-)) in surface waters: a modelling approach. <i>Chemosphere</i> , 2014 , 95, 464-9	8.4	29
166	Photocatalytic performances of rare earth element-doped zinc oxide toward pollutant abatement in water and wastewater. <i>Applied Catalysis B: Environmental</i> , 2019 , 245, 159-166	21.8	29
165	On the effect of 2-propanol on phenol photolysis upon nitrate photolysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 224, 68-70	4.7	28
164	Multiple unknown degradants generated from the insect repellent DEET by photoinduced processes on TiO ₂ . <i>Journal of Mass Spectrometry</i> , 2011 , 46, 24-40	2.2	28
163	Bicarbonate-enhanced transformation of phenol upon irradiation of hematite, nitrate, and nitrite. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 91-100	4.2	28
162	Comparison of different probe molecules for the quantification of hydroxyl radicals in aqueous solution. <i>Environmental Chemistry Letters</i> , 2010 , 8, 95-100	13.3	28
161	THE ROLE OF HUMIC SUBSTANCES IN THE PHOTOCATALYTIC DEGRADATION OF WATER CONTAMINANTS. <i>Journal of Dispersion Science and Technology</i> , 1999 , 20, 643-661	1.5	28
160	One-electron transfer equilibria and kinetics of N-methylphenothiazine in micellar systems. <i>The Journal of Physical Chemistry</i> , 1983 , 87, 399-407		28

- 159 The atmospheric chemistry of hydrogen peroxide: a review. *Annali Di Chimica*, **2003**, 93, 477-88 28
- 158 Phototransformation of the Herbicide Propanil in Paddy Field Water. *Environmental Science & Technology*, **2017**, 51, 2695-2704 10.3 27
- 157 N,N-diethyl-m-tolamide transformation in river water. *Science of the Total Environment*, **2011**, 409, 3894-3901 27
- 156 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 1.8 27
- 155 Photoinduced transformation processes of 2,4-dichlorophenol and 2,6-dichlorophenol on nitrate irradiation. *Chemosphere*, **2007**, 69, 1548-54 8.4 27
- 154 Phenol nitration upon oxidation of nitrite by Mn(III,IV) (hydr)oxides. *Chemosphere*, **2004**, 55, 941-9 8.4 27
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