Claudio Minero

List of Publications by Year in Descending Order

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	Phototransformation of the fungicide tebuconazole, and its predicted fate in sunlit surface freshwaters.. *Chemosphere*, **2022**, 134895	8.4	1
301	Electrochemical abatement of cefazolin: Towards a viable treatment for antibiotic-containing urine. *Journal of Cleaner Production*, **2021**, 289, 125722	10.3	9
300	Controlled Periodic Illumination Enhances Hydrogen Production by over 50% on Pt/TiO. *ACS Catalysis*, **2021**, 11, 6484-6488	13.1	3
299	Evaluation of gas / solid photocatalytic performance for the removal of VOCs at ppb and sub-ppb levels. *Chemosphere*, **2021**, 272, 129636	8.4	5
298	Graphitic carbon nitride-based metal-free photocatalyst **2021**, 449-484		0
297	Fluorophores in surface freshwaters: importance, likely structures, and possible impacts of climate change. *Environmental Sciences: Processes and Impacts*, **2021**, 23, 1429-1442	4.3	0
296	Non-purified commercial multiwalled carbon nanotubes supported on electrospun polyacrylonitrile@polypyrrole nanofibers as photocatalysts for water decontamination.. *RSC Advances*, **2021**, 11, 9911-9920	3.7	0
295	Polyethylene Glycol as Shape and Size Controller for the Hydrothermal Synthesis of SrTiO Cubes and Polyhedra. *Nanomaterials*, **2020**, 10,	5.4	1
294	Photocatalytic Transformations of 1H-Benzotriazole and Benzotriazole Derivates. *Nanomaterials*, **2020**, 10,	5.4	2
293	Photocatalytic rate dependence on light absorption properties of different TiO2 specimens. *Catalysis Today*, **2020**, 340, 12-18	5.3	12
292	Portable photoreactor for on-site measurement of the activity of photocatalytic surfaces. *Catalysis Today*, **2020**, 340, 363-368	5.3	5
291	Degradation of ibuprofen and phenol with a Fenton-like process triggered by zero-valent iron (ZVI-Fenton). *Environmental Research*, **2019**, 179, 108750	7.9	34
290	The Role of Surface Texture on the Photocatalytic H2 Production on TiO2. *Catalysts*, **2019**, 9, 32	4	24
289	Formic Acid Photoreforming for Hydrogen Production on Shape-Controlled Anatase TiO2 Nanoparticles: Assessment of the Role of Fluorides, {101}/{001} Surfaces Ratio, and Platinization. *ACS Catalysis*, **2019**, 9, 6692-6697	13.1	42
288	Amine-rich carbon nitride nanoparticles: Synthesis, covalent functionalization with proteins and application in a fluorescence quenching assay. *Nano Research*, **2019**, 12, 1862-1870	10	8
287	Highly Photoactive Polythiophenes Obtained by Electrochemical Synthesis from Bipyridine-Containing Terthiophenes. *Energies*, **2019**, 12, 341	3.1	3
286	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	5.3	22

285	Quantification of the Photocatalytic Self-Cleaning Ability of Non-Transparent Materials. *Materials*, **2019**, 12,	3.5	7
284	Electrospun core□sheath PAN@PPY nanofibers decorated with ZnO: photo-induced water decontamination enhanced by a semiconducting support. *Journal of Materials Chemistry A*, **2019**, 7, 26429-26441	11	7
283	Photocatalytic performances of rare earth element-doped zinc oxide toward pollutant abatement in water and wastewater. *Applied Catalysis B: Environmental*, **2019**, 245, 159-166	21.8	29
282	Synthesis, characterization and photocatalytic performance of p-type carbon nitride. *Applied Catalysis B: Environmental*, **2019**, 242, 121-131	21.8	21
281	Evidence of an Important Role of Photochemistry in the Attenuation of the Secondary Contaminant 3,4-Dichloroaniline in Paddy Water. *Environmental Science & Technology*, **2018**, 52, 6334-6342	10.3	9
280	A revised photocatalytic transformation mechanism for chlorinated VOCs: Experimental evidence from C2Cl4 in the gas phase. *Catalysis Today*, **2018**, 313, 114-121	5.3	4
279	The complex interplay between adsorption and photoactivity in hybrids rGO/TiO2. *Catalysis Today*, **2018**, 315, 9-18	5.3	15
278	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	12.5	17
277	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. *Environmental Sciences: Processes and Impacts*, **2018**, 20, 1007-1019	4.3	13
276	Photoinduced disinfection in sunlit natural waters: Measurement of the second order inactivation rate constants between E.□coli and photogenerated transient species. *Water Research*, **2018**, 147, 242-253	12.5	19
275	Coupling of Nanofiltration and Thermal Fenton Reaction for the Abatement of Carbamazepine in Wastewater. *ACS Omega*, **2018**, 3, 9407-9418	3.9	11
274	Photocatalytic process in TiO 2 /graphene hybrid materials. Evidence of charge separation by electron transfer from reduced graphene oxide to TiO 2. *Catalysis Today*, **2017**, 281, 29-37	5.3	88
273	Local Proton Source in Electrocatalytic CO Reduction with [Mn(bpy-R)(CO) Br] Complexes. *Chemistry - A European Journal*, **2017**, 23, 4782-4793	4.8	83
272	Modelling the photochemical attenuation pathways of the fibrate drug gemfibrozil in surface waters. *Chemosphere*, **2017**, 170, 124-133	8.4	8
271	Phototransformation of the Herbicide Propanil in Paddy Field Water. *Environmental Science & Technology*, **2017**, 51, 2695-2704	10.3	27
270	Anodic Materials for Lithium-ion Batteries: TiO2-rGO Composites for High Power Applications. *Electrochimica Acta*, **2017**, 230, 132-140	6.7	12
269	Selected hybrid photocatalytic materials for the removal of drugs from water. *Current Opinion in Green and Sustainable Chemistry*, **2017**, 6, 11-17	7.9	17
268	Photoinduced transformation of pyridinium-based ionic liquids, and implications for their photochemical behavior in surface waters. *Water Research*, **2017**, 122, 194-206	12.5	24

267	Influence of agglomeration and aggregation on the photocatalytic activity of TiO2 nanoparticles. *Applied Catalysis B: Environmental*, **2017**, 216, 80-87	21.8	105
266	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	8.4	19
265	Photoelectrochemical Performance of the Ag(III)-Based Oxygen-Evolving Catalyst. *ACS Applied Materials & Interfaces*, **2017**, 9, 23800-23809	9.5	13
264	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	10.3	27
263	A model assessment of the ability of lake water in Terra Nova Bay, Antarctica, to induce the photochemical degradation of emerging contaminants. *Chemosphere*, **2016**, 162, 91-8	8.4	5
262	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	12.5	49
261	Considerable Fenton and photo-Fenton reactivity of passivated zero-valent iron. *RSC Advances*, **2016**, 6, 86752-86761	3.7	25
260	A proof of the direct hole transfer in photocatalysis: The case of melamine. *Applied Catalysis A: General*, **2016**, 521, 57-67	5.1	20
259	Size resolved metal distribution in the PM matter of the city of Turin (Italy). *Chemosphere*, **2016**, 147, 477-89	8.4	30
258	Modeling the photochemical transformation of nitrobenzene under conditions relevant to sunlit surface waters: Reaction pathways and formation of intermediates. *Chemosphere*, **2016**, 145, 277-83	8.4	11
257	Shape controllers enhance the efficiency of graphene-TiO2 hybrids in pollutant abatement. *Nanoscale*, **2016**, 8, 3407-15	7.7	12
256	Photocatalytic transformation of the antipsychotic drug risperidone in aqueous media on reduced graphene oxide□iO 2 composites. *Applied Catalysis B: Environmental*, **2016**, 183, 96-106	21.8	59
255	Photochemical transformation of benzotriazole, relevant to sunlit surface waters: Assessing the possible role of triplet-sensitised processes. *Science of the Total Environment*, **2016**, 566-567, 712-721	10.2	8
254	Influence of nitrogen speciation on the TDN measurement in fresh waters by high temperature catalytic oxidation and persulfate digestion. *International Journal of Environmental Analytical Chemistry*, **2016**, 96, 474-489	1.8	2
253	Photochemical stability and reactivity of graphene oxide. *Journal of Materials Science*, **2015**, 50, 2399-2409	4.3	26
252	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, 452-8	8.4	16
251	Photo□enton reaction in the presence of morphologically controlled hematite as iron source. *Journal of Photochemistry and Photobiology A: Chemistry*, **2015**, 307-308, 99-107	4.7	45
250	The fate of nitrogen upon nitrite irradiation: Formation of dissolved vs. gas-phase species. *Journal of Photochemistry and Photobiology A: Chemistry*, **2015**, 307-308, 30-34	4.7	12

249	Dark production of hydroxyl radicals by aeration of anoxic lake water. *Science of the Total Environment*, **2015**, 527-528, 322-7	10.2	33
248	Thin Film Nanocrystalline TiO2 Electrodes: Dependence of Flat Band Potential on pH and Anion Adsorption. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 3348-58	1.3	10
247	Activation of persulfate by irradiated magnetite: implications for the degradation of phenol under heterogeneous photo-Fenton-like conditions. *Environmental Science & Technology*, **2015**, 49, 1043-50	10.3	184
246	Photo- and Electrocatalytic Reduction of CO2 by [Re(CO)3{□-Diimine-(4-piperidinyl-1,8-naphthalimide)}Cl] Complexes. *European Journal of Inorganic Chemistry*, **2015**, 2015, 296-304	2.3	38
245	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	8.4	23
244	Photocatalytic hydrogen production on Pt-loaded TiO2 inverse opals. *Applied Catalysis B: Environmental*, **2015**, 163, 452-458	21.8	48
243	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, 271-80	12.5	46
242	Electrochemical Reduction of CO2 by M(CO)4(diimine) Complexes (M=Mo, W): Catalytic Activity Improved by 2,2?-Dipyridylamine. *ChemElectroChem*, **2015**, 2, 1372-1379	4.3	40
241	Photochemical processes induced by the irradiation of 4-hydroxybenzophenone in different solvents. *Photochemical and Photobiological Sciences*, **2015**, 14, 2087-96	4.2	7
240	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, 145-56	12.5	55
239	Tailored properties of hematite particles with different size and shape. *Dyes and Pigments*, **2015**, 115, 204-210	4.6	8
238	Phototransformation of Pesticides in the Environment. *Chromatographic Science*, **2015**, 261-286		1
237	Assessing the photochemical transformation pathways of acetaminophen relevant to surface waters: transformation kinetics, intermediates, and modelling. *Water Research*, **2014**, 53, 235-48	12.5	86
236	Photo-Fenton oxidation of phenol with magnetite as iron source. *Applied Catalysis B: Environmental*, **2014**, 154-155, 102-109	21.8	111
235	Formation and reactivity of the dichloride radical (Cl2(-•)) in surface waters: a modelling approach. *Chemosphere*, **2014**, 95, 464-9	8.4	29
234	The role of humic and fulvic acids in the phototransformation of phenolic compounds in seawater. *Science of the Total Environment*, **2014**, 493, 411-8	10.2	30
233	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. *Science of the Total Environment*, **2014**, 500-501, 351-60	10.2	15
232	Tuning TiO2 nanoparticle morphology in graphene-TiO2 hybrids by graphene surface modification. *Nanoscale*, **2014**, 6, 6710-9	7.7	51

231	Photocatalytic degradation of selected anticancer drugs and identification of their transformation products in water by liquid chromatography-high resolution mass spectrometry. *Journal of Chromatography A*, **2014**, 1362, 135-44	4.5	42
230	Photochemical generation of photoactive compounds with fulvic-like and humic-like fluorescence in aqueous solution. *Chemosphere*, **2014**, 111, 529-36	8.4	34
229	Indirect photochemistry in sunlit surface waters: photoinduced production of reactive transient species. *Chemistry - A European Journal*, **2014**, 20, 10590-606	4.8	235
228	A local proton source in a [Mn(bpy-R)(CO)3Br]-type redox catalyst enables CO2 reduction even in the absence of Brønsted acids. *Chemical Communications*, **2014**, 50, 14670-3	5.8	117
227	Effects of climate change on surface-water photochemistry: a review. *Environmental Science and Pollution Research*, **2014**, 21, 11770-80	5.1	13
226	Photosensitised humic-like substances (HULIS) formation processes of atmospheric significance: a review. *Environmental Science and Pollution Research*, **2014**, 21, 11614-22	5.1	16
225	Fate of selected pharmaceuticals in river waters. *Environmental Science and Pollution Research*, **2013**, 20, 2262-70	5.1	33
224	Photochemical transformation of ibuprofen into harmful 4-isobutylacetophenone: pathways, kinetics, and significance for surface waters. *Water Research*, **2013**, 47, 6109-21	12.5	66
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. *Environmental Science & Technology*, **2013**, 47, 14089-98	10.3	53
222	A quantitative assessment of the production of ·OH and additional oxidants in the dark Fenton reaction: Fenton degradation of aromatic amines. *RSC Advances*, **2013**, 3, 26443	3.7	43
221	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, 5943-53	12.5	50
220	Transformation of 2,4,6-trimethylphenol and furfuryl alcohol, photosensitised by Aldrich humic acids subject to different filtration procedures. *Chemosphere*, **2013**, 90, 306-11	8.4	31
219	Could triplet-sensitised transformation of phenolic compounds represent a source of fulvic-like substances in natural waters?. *Chemosphere*, **2013**, 90, 881-4	8.4	24
218	UV–vis spectral modifications of water samples under irradiation: Lake vs. subterranean water. *Journal of Photochemistry and Photobiology A: Chemistry*, **2013**, 251, 85-93	4.7	15
217	Photolytic degradation of N,N-diethyl-m-toluamide in ice and water: Implications in its environmental fate. *Journal of Photochemistry and Photobiology A: Chemistry*, **2013**, 271, 99-104	4.7	9
216	Photochemical transformation of atrazine and formation of photointermediates under conditions relevant to sunlit surface waters: laboratory measures and modelling. *Water Research*, **2013**, 47, 6211-22	12.5	58
215	Modelling lake-water photochemistry: three-decade assessment of the steady-state concentration of photoreactive transients (·OH, CO3(-·) and (3)CDOM(*)) in the surface water of polymictic Lake Peipsi (Estonia/Russia). *Chemosphere*, **2013**, 90, 2589-96	8.4	18
214	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, 243-51	10.2	54

213	Photocatalytic Mechanisms and Reaction Pathways Drawn from Kinetic and Probe Molecules **2013**, 53-72		7
212	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	5.3	26
211	On the Standardization of the Photocatalytic Gas/Solid Tests. *International Journal of Chemical Reactor Engineering*, **2013**, 11, 717-732	1.2	25
210	Surface-Modified Photocatalysts. *Handbook of Environmental Chemistry*, **2013**, 23-44	0.8	1
209	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. *International Journal of Environmental Analytical Chemistry*, **2013**, 93, 1698-1717	1.8	7
208	Modelling the photochemical generation kinetics of 2-methyl-4-chlorophenol, an intermediate of the herbicide MCPA (2-methyl-4-chlorophenoxyacetic acid) in surface waters. *Aquatic Ecosystem Health and Management*, **2013**, 16, 216-221	1.4	10
207	Role of iron species in the photo-transformation of phenol in artificial and natural seawater. *Science of the Total Environment*, **2012**, 426, 281-8	10.2	22
206	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	10.2	18
205	Role of H2O2 in the photo-transformation of phenol in artificial and natural seawater. *Science of the Total Environment*, **2012**, 431, 84-91	10.2	15
204	Phototransformation of anthraquinone-2-sulphonate in aqueous solution. *Photochemical and Photobiological Sciences*, **2012**, 11, 1445-53	4.2	46
203	Faster phototransformation of the formate (terrestrial) versus methanesulphonate (marine) markers of airborne particles: implications for modelling climate change. *Environmental Chemistry Letters*, **2012**, 10, 395-399	13.3	
202	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	10.2	43
201	Assessing the occurrence of the dibromide radical ($Br_2^{\bullet-}$) in natural waters: measures of triplet-sensitised formation, reactivity, and modelling. *Science of the Total Environment*, **2012**, 439, 299-306	10.2	37
200	Photochemical fate of carbamazepine in surface freshwaters: laboratory measures and modeling. *Environmental Science & Technology*, **2012**, 46, 8164-73	10.3	103
199	Chemical and optical phototransformation of dissolved organic matter. *Water Research*, **2012**, 46, 3197-207	10.5	49
198	Glycerol as a probe molecule to uncover oxidation mechanism in photocatalysis. *Applied Catalysis B: Environmental*, **2012**, 128, 135-143	21.8	65
197	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, 418-24	4.2	38
196	Photochemical production of organic matter triplet states in water samples from mountain lakes, located below or above the tree line. *Chemosphere*, **2012**, 88, 1208-13	8.4	49

195	Photocatalytic metamaterials: TiO2 inverse opals. *Chemical Communications*, **2011**, 47, 6147-9	5.8	65
194	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, 1817-24	4.2	42
193	Phenol transformation photosensitised by quinoid compounds. *Physical Chemistry Chemical Physics*, **2011**, 13, 11213-21	3.6	20
192	Modelling the photochemical fate of ibuprofen in surface waters. *Water Research*, **2011**, 45, 6725-36	12.5	96
191	On the effect of 2-propanol on phenol photonitration upon nitrate photolysis. *Journal of Photochemistry and Photobiology A: Chemistry*, **2011**, 224, 68-70	4.7	28
190	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	4.7	99
189	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, 3463-71	10.2	26
188	N,N-diethyl-m-toluamide transformation in river water. *Science of the Total Environment*, **2011**, 409, 3894-901	10.2	27
187	Photocatalytic transformation of flufenacet over TiO2 aqueous suspensions: Identification of intermediates and the mechanism involved. *Applied Catalysis B: Environmental*, **2011**, 110, 238-250	21.8	20
186	Low to negligible photoactivity of lake-water matter in the size range from 0.1 to 5 µm. *Chemosphere*, **2011**, 83, 1480-5	8.4	23
185	Characterization of phenazone transformation products on light-activated TiO2 surface by high-resolution mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2011**, 25, 2923-32	2.2	14
184	Multiple unknown degradants generated from the insect repellent DEET by photoinduced processes on TiO2. *Journal of Mass Spectrometry*, **2011**, 46, 24-40	2.2	28
183	Photochemical and photosensitised reactions involving 1-nitronaphthalene and nitrite in aqueous solution. *Photochemical and Photobiological Sciences*, **2011**, 10, 601-9	4.2	13
182	Modeling phototransformation reactions in surface water bodies: 2,4-dichloro-6-nitrophenol as a case study. *Environmental Science & Technology*, **2011**, 45, 209-14	10.3	62
181	Photoelectrochemical study of TiO2 inverse opals. *Journal of Materials Chemistry*, **2011**, 21, 19144		26
180	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
179	The pH-dependent photochemistry of anthraquinone-2-sulfonate. *Photochemical and Photobiological Sciences*, **2010**, 9, 323-30	4.2	55
178	Effect of dissolved organic compounds on the photodegradation of the herbicide MCPA in aqueous solution. *Water Research*, **2010**, 44, 6053-62	12.5	50

177	Phototransformation processes of 2,4-dinitrophenol, relevant to atmospheric water droplets. *Chemosphere*, **2010**, 80, 753-8	8.4	32
176	UVA irradiation induces direct phototransformation of 2,4-dinitrophenol in surface water samples. *Chemosphere*, **2010**, 80, 759-63	8.4	15
175	Effect of fluorination on the surface properties of titania P25 powder: an FTIR study. *Langmuir*, **2010**, 26, 2521-7	4	103
174	Modeling of Indirect Phototransformation Reactions in Surface Waters **2010**, 203-234		3
173	Comparison of different probe molecules for the quantification of hydroxyl radicals in aqueous solution. *Environmental Chemistry Letters*, **2010**, 8, 95-100	13.3	28
172	Quantification of singlet oxygen and hydroxyl radicals upon UV irradiation of surface water. *Environmental Chemistry Letters*, **2010**, 8, 193-198	13.3	37
171	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, 1063-9	5.1	21
170	Photochemical generation of reactive species upon irradiation of rainwater: negligible photoactivity of dissolved organic matter. *Science of the Total Environment*, **2010**, 408, 3367-73	10.2	50
169	Evidence of the water-cage effect on the photolysis of NO_3^- and $FeOH^{2+}$. Implications of this effect and of H_2O_2 surface accumulation on photochemistry at the air–water interface of atmospheric droplets. *Atmospheric Environment*, **2010**, 44, 4859-4866	5.3	59
168	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. *Chemosphere*, **2010**, 81, 1401-6	8.4	13
167	Photo-oxidative degradation of toluene in aqueous media by hydroxyl radicals. *Journal of Photochemistry and Photobiology A: Chemistry*, **2010**, 215, 59-68	4.7	41
166	An overview of possible processes able to account for the occurrence of nitro-PAHs in Antarctic particulate matter. *Microchemical Journal*, **2010**, 96, 213-217	4.8	11
165	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	5.3	36
164	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	13.3	22
163	Photostability and photolability of dissolved organic matter upon irradiation of natural water samples under simulated sunlight. *Aquatic Sciences*, **2009**, 71, 34-45	2.5	36
162	Modelling the occurrence and reactivity of the carbonate radical in surface freshwater. *Comptes Rendus Chimie*, **2009**, 12, 865-871	2.7	36
161	Pesticide by-products in the Rhône delta (Southern France). The case of 4-chloro-2-methylphenol and of its nitroderivative. *Chemosphere*, **2009**, 74, 599-604	8.4	60
160	Photocatalytic oxidation of dinitronaphthalenes: theory and experiment. *Chemosphere*, **2009**, 75, 1008-18	8.4	16

159	Phototransformation of selected human-used macrolides in surface water: kinetics, model predictions and degradation pathways. *Water Research*, **2009**, 43, 1959-67	12.5	64
158	Inhibition vs. enhancement of the nitrate-induced phototransformation of organic substrates by the *OH scavengers bicarbonate and carbonate. *Water Research*, **2009**, 43, 4718-28	12.5	106
157	Bicarbonate-enhanced transformation of phenol upon irradiation of hematite, nitrate, and nitrite. *Photochemical and Photobiological Sciences*, **2009**, 8, 91-100	4.2	28
156	Photodegradation of nitrite in lake waters: role of dissolved organic matter. *Environmental Chemistry*, **2009**, 6, 407	3.2	18
155	Solar driven production of toxic halogenated and nitroaromatic compounds in natural seawater. *Science of the Total Environment*, **2008**, 398, 196-202	10.2	57
154	Transformation of phenolic compounds upon UVA irradiation of anthraquinone-2-sulfonate. *Photochemical and Photobiological Sciences*, **2008**, 7, 321-7	4.2	43
153	Photodegradation of Cinnamic Acid in Different Media. *Journal of Dispersion Science and Technology* , **2008**, 29, 641-652	1.5	8
152	Photostability of Ferulic Acid and Its Antioxidant Activity Against Linoleic Acid Peroxidation. *Journal of Dispersion Science and Technology*, **2008**, 29, 629-640	1.5	8
151	Glycerol Transformation Through Photocatalysis: A Possible Route to Value Added Chemicals. *Journal of Advanced Oxidation Technologies*, **2008**, 11,		9
150	Phenol transformation induced by UVA photolysis of the complex FeCl2+. *Environmental Chemistry Letters*, **2008**, 6, 29-34	13.3	14
149	Formation of organobrominated compounds in the presence of bromide under simulated atmospheric aerosol conditions. *ChemSusChem*, **2008**, 1, 197-204	8.3	23
148	Enhancement of dye sonochemical degradation by some inorganic anions present in natural waters. *Applied Catalysis B: Environmental*, **2008**, 77, 308-316	21.8	97
147	Occurrence of 2,4-dichlorophenol and of 2,4-dichloro-6-nitrophenol in the Rhone River Delta (Southern France). *Environmental Science & Technology*, **2007**, 41, 3127-33	10.3	86
146	Photodegradation of xenobiotic compounds relevant to estuarine waters. *Annali Di Chimica*, **2007**, 97, 135-9		10
145	A model to predict the steady-state concentration of hydroxyl radicals in the surface layer of natural waters. *Annali Di Chimica*, **2007**, 97, 685-98		12
144	Seasonal and water column trends of the relative role of nitrate and nitrite as *OH sources in surface waters. *Annali Di Chimica*, **2007**, 97, 699-711		13
143	Spectrophotometric characterisation of surface lakewater samples: implications for the quantification of nitrate and the properties of dissolved organic matter. *Annali Di Chimica*, **2007**, 97, 1107-16		23
142	Modelling photochemical reactions in atmospheric water droplets: An assessment of the importance of surface processes. *Atmospheric Environment*, **2007**, 41, 3303-3314	5.3	15

141	Influence of Zn(II) adsorption on the photocatalytic activity and the production of H2O2 over irradiated TiO2. *Research on Chemical Intermediates*, **2007**, 33, 319-332	2.8	19
140	Assessing the steady-state [*NO2] in environmental samples. Implication for aromatic photonitration processes induced by nitrate and nitrite. *Environmental Science and Pollution Research*, **2007**, 14, 241-3	5.1	13
139	Photochemincal processes involving nitrite in surface water samples. *Aquatic Sciences*, **2007**, 69, 71-85	2.5	91
138	Photostability of Octyl-P-Methoxy Cinnamate in O/W Emulsions and in SLNs Vehicled in the Emulsions. *Journal of Dispersion Science and Technology*, **2007**, 28, 1034-1043	1.5	4
137	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	1.5	19
136	Solar Photocatalysis for Hydrogen Production and CO2 Conversion **2007**, 351-385		3
135	Effect of selected organic and inorganic snow and cloud components on the photochemical generation of nitrite by nitrate irradiation. *Chemosphere*, **2007**, 68, 2111-7	8.4	19
134	Photoinduced transformation processes of 2,4-dichlorophenol and 2,6-dichlorophenol on nitrate irradiation. *Chemosphere*, **2007**, 69, 1548-54	8.4	27
133	On the effect of pH in aromatic photonitration upon nitrate photolysis. *Chemosphere*, **2007**, 66, 650-6	8.4	26
132	A quantitative evalution of the photocatalytic performance of TiO2 slurries. *Applied Catalysis B: Environmental*, **2006**, 67, 257-269	21.8	114
131	Photochemical reactions in the tropospheric aqueous phase and on particulate matter. *Chemical Society Reviews*, **2006**, 35, 441-53	58.5	164
130	Sources and sinks of hydroxyl radicals upon irradiation of natural water samples. *Environmental Science & Technology*, **2006**, 40, 3775-81	10.3	271
129	Tailoring the Selectivity of Ti-Based Photocatalysts (TiO2 and Microporous ETS-10 and ETS-4) by Playing with Surface Morphology and Electronic Structure. *Chemistry of Materials*, **2006**, 18, 3412-3424	9.6	74
128	Photodegradation processes of the antiepileptic drug carbamazepine, relevant to estuarine waters. *Environmental Science & Technology*, **2006**, 40, 5977-83	10.3	221
127	An empirical, quantitative approach to predict the reactivity of some substituted aromatic compounds towards reactive radical species (Cl2-*, Br2-*, *NO2, SO3-*, SO4-*) in aqueous solution. *Environmental Science and Pollution Research*, **2006**, 13, 212-4	5.1	20
126	Sustained production of H2O2 on irradiated TiO2- fluoride systems. *Chemical Communications*, **2005**, 2627-9	5.8	143
125	Fe(lll)-enhanced sonochemical degradation of methylene blue in aqueous solution. *Environmental Science & Technology*, **2005**, 39, 8936-42	10.3	106
124	Phenol chlorination and photochlorination in the presence of chloride ions in homogeneous aqueous solution. *Environmental Science & Technology*, **2005**, 39, 5066-75	10.3	72

123	Aqueous atmospheric chemistry: formation of 2,4-dinitrophenol upon nitration of 2-nitrophenol and 4-nitrophenol in solution. *Environmental Science & Technology*, **2005**, 39, 7921-31	10.3	67
122	Nitration and photonitration of naphthalene in aqueous systems. *Environmental Science & Technology*, **2005**, 39, 1101-10	10.3	58
121	Photoinduced halophenol formation in the presence of iron(III) species or cadmium sulfide. *Journal of Photochemistry and Photobiology A: Chemistry*, **2005**, 170, 61-67	4.7	21
120	Degradation of phenol and benzoic acid in the presence of a TiO2-based heterogeneous photocatalyst. *Applied Catalysis B: Environmental*, **2005**, 58, 79-88	21.8	141
119	Transformations of Benzene Photoinduced by Nitrate Salts and Iron Oxide. *Journal of Atmospheric Chemistry*, **2005**, 52, 259-281	3.2	21
118	The fate of organic nitrogen in photocatalysis: an overview. *Journal of Applied Electrochemistry*, **2005**, 35, 665-673	2.6	88
117	Phenol Photonitration and Photonitrosation upon Nitrite Photolysis in basic solution. *International Journal of Environmental Analytical Chemistry*, **2004**, 84, 493-504	1.8	26
116	Effect of humic acids on the Fenton degradation of phenol. *Environmental Chemistry Letters*, **2004**, 2, 129-133	13.3	56
115	Different photocatalytic fate of amido nitrogen in formamide and urea. *Chemical Communications*, **2004**, 1504-5	5.8	34
114	Phenol nitration upon oxidation of nitrite by Mn(III,IV) (hydr)oxides. *Chemosphere*, **2004**, 55, 941-9	8.4	27
113	Nitration and hydroxylation of benzene in the presence of nitrite/nitrous acid in aqueous solution. *Chemosphere*, **2004**, 56, 1049-59	8.4	49
112	Aromatic photonitration in homogeneous and heterogeneous aqueous systems. *Environmental Science and Pollution Research*, **2003**, 10, 321-4	5.1	18
111	New processes in the environmental chemistry of nitrite. 2. The role of hydrogen peroxide. *Environmental Science & Technology*, **2003**, 37, 4635-41	10.3	86
110	The atmospheric chemistry of hydrogen peroxide: a review. *Annali Di Chimica*, **2003**, 93, 477-88		28
109	New processes in the environmental chemistry of nitrite: nitration of phenol upon nitrite photoinduced oxidation. *Environmental Science & Technology*, **2002**, 36, 669-76	10.3	84
108	Phenol photonitration. *Annali Di Chimica*, **2002**, 92, 919-29		4
107	Photocatalytic transformations of CCl3Br, CBr3F, CHCl2Br and CH2BrCl in aerobic and anaerobic conditions. *Applied Catalysis B: Environmental*, **2001**, 29, 23-34	21.8	19
106	Detection of Nitro-Substituted Polycyclic Aromatic Hydrocarbons in the Antarctic Airborne Particulate. *International Journal of Environmental Analytical Chemistry*, **2001**, 79, 257-272	1.8	24

105	Formation of nitrophenols upon UV irradiation of phenol and nitrate in aqueous solutions and in TiO2 aqueous suspensions. *Chemosphere*, **2001**, 44, 237-48	8.4	45
104	Phenol photonitration upon UV irradiation of nitrite in aqueous solution I: effects of oxygen and 2-propanol. *Chemosphere*, **2001**, 45, 893-902	8.4	63
103	Phenol photonitration upon UV irradiation of nitrite in aqueous solution II: effects of pH and TiO2. *Chemosphere*, **2001**, 45, 903-10	8.4	37
102	Photocatalytic mineralization of chlorinated organic pollutants in water by polyoxometallates. Determination of intermediates and final degradation products. *Research on Chemical Intermediates*, **2000**, 26, 235-251	2.8	14
101	Photocatalytic Transformation of Organic Compounds in the Presence of Inorganic Ions. 2. Competitive Reactions of Phenol and Alcohols on a Titanium Dioxide□fluoride System□ *Langmuir*, **2000**, 16, 8964-8972	4	355
100	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. *Langmuir*, **2000**, 16, 2632-2641	4	435
99	Light Induced Elimination of Mono- and Polychlorinated Phenols from Aqueous Solutions by PW12O403-. The Case of 2,4,6-Trichlorophenol. *Environmental Science & Technology*, **2000**, 34, 2024-2028	10.3	62
98	Oceanic DOC Measurements **2000**, 299-320		
97	Compound Parabolic Concentrator Technology Development To Commercial Solar Detoxification Applications **2000**, 427-436		
96	Photocatalytic transformation of sulfonylurea herbicides over irradiated titanium dioxide particles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **1999**, 151, 329-338	5.1	44
95	Role of oxidative and reductive pathways in the photocatalytic degradation of organic compounds. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **1999**, 151, 321-327	5.1	44
94	Ultratrace determination of highly hydrophilic compounds by 2,2,3,3,4,4,5,5-octafluoropentyl chloroformate-mediated derivatization directly in water. *Journal of the American Society for Mass Spectrometry*, **1999**, 10, 1328-1336	3.5	17
93	Kinetic analysis of photoinduced reactions at the water semiconductor interface. *Catalysis Today*, **1999**, 54, 205-216	5.3	123
92	Compound parabolic concentrator technology development to commercial solar detoxification applications. *Solar Energy*, **1999**, 67, 317-330	6.8	108
91	Photolytic and photocatalytic decomposition of bromomethanes in irradiated aqueous solutions. *Applied Catalysis B: Environmental*, **1999**, 21, 191-202	21.8	37
90	THE ROLE OF HUMIC SUBSTANCES IN THE PHOTOCATALYTIC DEGRADATION OF WATER CONTAMINANTS. *Journal of Dispersion Science and Technology*, **1999**, 20, 643-661	1.5	28
89	Improved procedure for n-hexyl chloroformate-mediated derivatization of highly hydrophilic substances directly in water: hydroxyaminic compounds. *Journal of Chromatography A*, **1998**, 793, 307-316	4.5	18
88	Nanostructures in analytical chemistry. *Studies in Surface Science and Catalysis*, **1997**, 377-390	1.8	0

87	Photocatalytic transformations of chlorinated methanes in the presence of electron and hole scavengers. *Journal of the Chemical Society, Faraday Transactions*, **1997**, 93, 3765-3771		55
86	Photocatalytic interconversion of nitrogen-containing benzenederivatives. *Journal of the Chemical Society, Faraday Transactions*, **1997**, 93, 1993-2000		48
85	Cyanuric Acid-Based Eluent for Suppressed Anion Chromatography. *Analytical Chemistry*, **1997**, 69, 3333-3838		12
84	Photocatalytically Assisted Hydrolysis of Chlorinated Methanes under Anaerobic Conditions. *Environmental Science & Technology*, **1997**, 31, 2198-2203	10.3	97
83	Light-assisted 1,4-dioxane degradation. *Chemosphere*, **1997**, 35, 2675-2688	8.4	80
82	Photocatalytic transformations of hydrocarbons at the sea water/air interface under solar radiation. *Marine Chemistry*, **1997**, 58, 361-372	3.7	30
81	Heterogeneous photocatalytic transformations of s-triazine derivatives. *Research on Chemical Intermediates*, **1997**, 23, 291-310	2.8	32
80	The fate of organic nitrogen under photocatalytic conditions: degradation of nitrophenols and aminophenols on irradiated TiO2. *Journal of Photochemistry and Photobiology A: Chemistry*, **1997**, 109, 171-176	4.7	83
79	Photocatalytic mineralization of nitrogen-containing benzene derivatives. *Catalysis Today*, **1997**, 39, 187-195	5.3	53
78	Phototransformations of Atrazine Over Different Metal Oxide Particles **1996**, 707-718		3
77	Large solar plant photocatalytic water decontamination: Degradation of atrazine. *Solar Energy*, **1996**, 56, 411-419	6.8	82
76	Large solar plant photocatalytic water decontamination: Effect of operational parameters. *Solar Energy*, **1996**, 56, 421-428	6.8	89
75	Sub-parts-per-billion determination of nitro-substituted polynuclear aromatic hydrocarbons in airborne particulate matter and soil by electron capture-Tandem mass spectrometry. *Journal of the American Society for Mass Spectrometry*, **1996**, 7, 1255-65	3.5	21
74	A rigorous kinetic approach to model primary oxidative steps of photocatalytic degradations. *Solar Energy Materials and Solar Cells*, **1995**, 38, 421-430	6.4	35
73	Host-guest chemistry in the gas phase and at the gas-solid interface: Fundamental aspects and practical applications. *Pure and Applied Chemistry*, **1995**, 67, 1075-1084	2.1	40
72	Translocation of Fenoxycarb in the Agro-ecosystem. *Bioscience, Biotechnology and Biochemistry*, **1995**, 59, 1318-1319	2.1	8
71	Photocatalytic Degradation of Free and Chemically Bound Silicones on Irradiated Titanium Dioxide. *Langmuir*, **1995**, 11, 4440-4444	4	8
70	Formation of Condensation Products in Advanced Oxidation Technologies: The Photocatalytic Degradation of Dichlorophenols on TiO2. *Environmental Science & Technology*, **1995**, 29, 2226-34	10.3	81

69	REACTIVITY AND MICROSTRUCTURE IN WATER / ETHOXY ALCOHOLS / TOLUENE TERNARY SOLUTIONS. *Journal of Dispersion Science and Technology*, **1995**, 16, 1-29	1.5	4
68	Determination of hydroxycarbamates in aqueous matrices by direct derivatization and GC-MS analysis in chemical ionization mode. *Journal of High Resolution Chromatography*, **1995**, 18, 359-362		13
67	Optimized splitless injection of hydroxylated PCBs by pressure pulse programming. *Journal of High Resolution Chromatography*, **1995**, 18, 490-494		6
66	Determination of trace amounts of highly hydrophilic compounds in water by direct derivatization and gas chromatography □mass spectrometry. *FreseniushJournal of Analytical Chemistry*, **1994**, 350, 403-409		30
65	Photocatalyzed transformation of nitrobenzene on TiO2 and ZnO. *Chemosphere*, **1994**, 28, 1229-1244	8.4	30
64	Metal Oxides as Photocatalysts for Environmental Detoxification. *Comments on Inorganic Chemistry* , **1994**, 15, 297-337	3.9	51
63	Reactions of Hexafluorobenzene and Pentafluorophenol Catalyzed by Irradiated TiO2 in Aqueous Suspensions. *Langmuir*, **1994**, 10, 692-698	4	18
62	Photocatalytic Degradation of Organic Contaminants **1994**, 101-138		7
61	Photocatalytic activity and selectivity of titania colloids and particles prepared by the sol-gel technique: photooxidation of phenol and atrazine. *Langmuir*, **1993**, 9, 2995-3001	4	76
60	The generalized pseudophase model: Treatment of multiple equilibria in micellar solutions. *Pure and Applied Chemistry*, **1993**, 65, 2573-2582	2.1	12
59	INHIBITION OF CRYSTAL GROWTH OF CALCIUM OXALATE BY GLYCOSAMINOGLYCANES. *Journal of Dispersion Science and Technology*, **1993**, 14, 35-46	1.5	5
58	Sonochemical oxidation of phenol and three of its intermediate products in aqueous media: Catechol, hydroquinone, and benzoquinone. Kinetic and mechanistic aspects. *Research on Chemical Intermediates*, **1993**, 18, 183-202	2.8	83
57	Phototransformations of nitrogen containing organic compounds over irradiated semiconductor metal oxides. *Coordination Chemistry Reviews*, **1993**, 125, 183-193	23.2	73
56	Heterogeneous Photocatalyzed Oxidation of Phenol, Cresols, and Fluorophenols in TiO2 Aqueous Suspensions. *Advances in Chemistry Series*, **1993**, 281-314		14
55	Photodegradation of dichlorophenols and trichlorophenols in TiO2 aqueous suspensions: kinetic effects of the positions of the Cl atoms and identification of the intermediates. *Journal of Photochemistry and Photobiology A: Chemistry*, **1993**, 72, 261-267	4.7	118
54	Mechanism of the photo-oxidative degradation of organic pollutants over TiO2 particles. *Electrochimica Acta*, **1993**, 38, 47-55	6.7	269
53	Large solar plant photocatalytic water decontamination: Degradation of pentachlorophenol. *Chemosphere*, **1993**, 26, 2103-2119	8.4	105
52	Role of adsorption in photocatalyzed reactions of organic molecules in aqueous titania suspensions. *Langmuir*, **1992**, 8, 481-486	4	222

51	Degradation pathways of atrazine under solar light and in the presence of TiO2 colloidal particles. *Science of the Total Environment*, **1992**, 123-124, 161-169	10.2	24
50	Photocatalytic Processes for Destruction of Organic Water Contaminants **1992**, 577-608		11
49	Identification of photocatalytic degradation pathways of 2-Cl-s-triazine herbicides and detection of their decomposition intermediates. *Chemosphere*, **1992**, 24, 891-910	8.4	58
48	Photosensitized transformations of atrazine under simulated sunlight in aqueous humic acid solution. *Chemosphere*, **1992**, 24, 1597-1606	8.4	41
47	Photocatalytic soil decontamination. *Chemosphere*, **1992**, 25, 343-351	8.4	31
46	Quantitative treatments of protonation equilibria shifts in micellar systems. *Advances in Colloid and Interface Science*, **1992**, 37, 319-34	14.3	8
45	Photocatalyzed mineralization of cresols in aqueous media with irradiated titania. *Journal of Catalysis*, **1991**, 128, 352-365	7.3	82
44	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. *Langmuir*, **1991**, 7, 928-936	4	70
43	Electron-transfer equilibria and kinetics of N-alkylphenothiazines in micellar systems. *The Journal of Physical Chemistry*, **1991**, 95, 761-766		16
42	Heterogeneous Photocatalysis: Photochemical Conversion of Inorganic Substances in the Environment: Hydrogen Sulfide, Cyanides, and Metals **1991**, 451-475		11
41	DEGRADATION OF ATRAZINE IN SOIL THROUGH INDUCED PHOTOCATALYTIC PROCESSES. *Soil Science*, **1990**, 150, 523-526	0.9	26
40	PROPERTIES OF CONCENTRATED DISPERSION OF Al(OH)3 IN CAUSTIC SOLUTION IN THE PRESENCE OF ADDITIVES.. *Journal of Dispersion Science and Technology*, **1990**, 11, 169-190	1.5	2
39	Kinetic studies in heterogeneous photocatalysis 4. The photomineralization of a hydroquinone and a catechol. *Journal of Photochemistry and Photobiology A: Chemistry*, **1990**, 55, 243-249	4.7	33
38	The role of colloidal particles in the photodegradation of organic compounds of environmental concern in aquatic systems. *Advances in Colloid and Interface Science*, **1990**, 32, 271-316	14.3	84
37	Sunlight photocatalytic degradation of organic pollutants in aquatic systems. *Waste Management*, **1990**, 10, 65-71	8.6	20
36	Hexachloroiridate(IV) oxidation of benzenediols in binary aqueous solvent mixtures: Solvation and reactivity. *Inorganica Chimica Acta*, **1990**, 173, 43-51	2.7	8
35	Photocatalytic degradation of atrazine and other s-triazine herbicides. *Environmental Science & Technology*, **1990**, 24, 1559-1565	10.3	359
34	Effect of chlorine on photocatalytic degradation of organic contaminants. *Environmental Technology (United Kingdom)*, **1990**, 11, 919-926	2.6	6

33	Organized Assemblies in Chemical Separations **1990**, 325-353		3
32	Photocatalytic degradation of DDT mediated in aqueous semiconductor slurries by simulated sunlight. *Environmental Toxicology and Chemistry*, **1989**, 8, 997-1002	3.8	50
31	Reaction kinetics as a probe for the structuring of microemulsions. *Colloids and Surfaces*, **1989**, 35, 237-249		4
30	Photocatalytic degradation of bentazon by TiO2 particles. *Chemosphere*, **1989**, 18, 1437-1445	8.4	56
29	Photodegradation of 2-ethoxy- and 2-butoxyethanol in the presence of semiconductor particles or organic conducting polymer. *Environmental Technology Letters*, **1989**, 10, 301-310		10
28	Photocatalytic degradation of nonylphenol ethoxylated surfactants. *Environmental Science & Technology*, **1989**, 23, 1380-1385	10.3	141
27	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. *Langmuir*, **1989**, 5, 250-255	4	252
26	Photocatalytic degradation of DDT mediated in aqueous semiconductor slurries by simulated sunlight **1989**, 8, 997		2
25	Partition equilibria of phenols between water and anionic micelles. *Analytica Chimica Acta*, **1988**, 212, 171-180	6.6	27
24	Photocatalytic degradation of polychlorinated dioxins and polychlorinated biphenyls in aqueous suspensions of semiconductors irradiated with simulated solar light. *Chemosphere*, **1988**, 17, 499-510	8.4	86
23	Electron-transfer reactions in microemulsions. Oxidation of benzenediols by hexachloroiridate(IV). *Langmuir*, **1988**, 4, 101-105	4	20
22	Photocatalytic degradation of phenol in aqueous titanium dioxide dispersions. *Toxicological and Environmental Chemistry*, **1988**, 16, 89-109	1.4	243
21	Generalized two-pseudophase model for ionic reaction rates and equilibria in micellar systems: hexachloroiridate(IV)-iron(II) electron-transfer kinetics in cationic micelles. *The Journal of Physical Chemistry*, **1988**, 92, 4670-4676		8
20	Amphiphilic Ligands in Chemical Separations. *ACS Symposium Series*, **1987**, 152-161	0.4	2
19	Chemical degradation of chlorophenols with Fenton reagent (Fe2+ + H2O2). *Chemosphere*, **1987**, 16, 2225-2237	8.4	162
18	Ground state charge transfer complexes in microemulsions. *Colloids and Surfaces*, **1987**, 28, 289-299		4
17	Separation of inorganic anions by unsuppresed ion chromatography. *Analytica Chimica Acta*, **1986**, 188, 317-319	6.6	5
16	Micellar properties of sodium dodecylpoly(oxyethylene) sulfates. *The Journal of Physical Chemistry*, **1986**, 90, 1620-1625		31

15	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. *Inorganic Chemistry*, **1986**, 25, 4499-4503	5.1	95
14	Putting Photocatalysis to Work **1986**, 673-689		7
13	Effect of Electrolytes and Hydrocarbons on the Cloud Point Transition of C12E8 Solutions **1986**, 233-242		
12	Kinetics of electron transfer between Ce(IV) nitrate and iron(II) complexes. *Inorganica Chimica Acta*, **1985**, 110, 51-53	2.7	4
11	Analytical applications of organized molecular assemblies. *Analytica Chimica Acta*, **1985**, 169, 1-29	6.6	244
10	Laser light-scattering study of nonionic micellar solutions. *Journal of Colloid and Interface Science*, **1985**, 105, 628-634	9.3	13
9	Laser-light scattering study of size and stability of ganglioside-phospholipid small unilamellar vesicles. *Chemistry and Physics of Lipids*, **1985**, 37, 83-97	3.7	20
8	Critical properties of nonionic micellar solutions. *Journal of Chemical Physics*, **1985**, 82, 1025-1031	3.9	86
7	Dioxygen evolution from inorganic systems. Water oxidation mediated by RuO2 and TiO2-RuO2 Colloids. *Inorganica Chimica Acta*, **1984**, 91, 301-305	2.7	13
6	Fast measurement of the consolution curve of nonionic micellar solutions: A turbidimetric method. *Colloids and Surfaces*, **1984**, 12, 341-356		13
5	Laser light scattering in micellar solutions. *Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics*, **1984**, 3, 44-61		13
4	Cloud point transition in nonionic micellar solutions. *The Journal of Physical Chemistry*, **1984**, 88, 309-317		305
3	One-electron transfer equilibriums and kinetics of N-methylphenothiazine in micellar systems. *The Journal of Physical Chemistry*, **1983**, 87, 399-407		28
2	Reactions Induced in Natural Waters by Irradiation of Nitrate and Nitrite Ions221-253		20
1	Fenton-type processes triggered by titanomagnetite for the degradation of phenol as model pollutant151, 117-127		4