

Santiago Esplugas

List of Publications by Year in Descending Order

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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.

169
papers

10,248
citations

48
h-index

98
g-index

184
ext. papers

11,060
ext. citations

8.4
avg, IF

6.24
L-index

#	Paper	IF	Citations
169	Role of sunlight and oxygen on the performance of photo-Fenton process at near neutral pH using organic fertilizers as iron chelates. <i>Science of the Total Environment</i> , 2022 , 803, 149873	10.2	1
168	Evaluation of the main active species involved in the TiO ₂ photocatalytic degradation of ametryn herbicide and its by-products. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105109	6.8	3
167	Coagulation-flocculation followed by catalytic ozonation processes for enhanced primary treatment during wet weather conditions. <i>Journal of Environmental Management</i> , 2021 , 283, 111975	7.9	3
166	On disclosing the role of mesoporous alumina in the ozonation of sulfamethoxazole: Adsorption vs. Catalysis. <i>Chemical Engineering Journal</i> , 2021 , 412, 128579	14.7	3
165	Improvement of the photo-Fenton process at natural condition of pH using organic fertilizers mixtures: Potential application to agricultural reuse of wastewater. <i>Applied Catalysis B: Environmental</i> , 2021 , 290, 120066	21.8	6
164	Mixtures of chelating agents to enhance photo-Fenton process at natural pH: Influence of wastewater matrix on micropollutant removal and bacterial inactivation. <i>Science of the Total Environment</i> , 2021 , 786, 147416	10.2	4
163	Removal of Pharmaceutically Active Compounds (PhACs) in Wastewater by Ozone and Advanced Oxidation Processes. <i>Handbook of Environmental Chemistry</i> , 2020 , 269-298	0.8	1
162	Continuous versus single HO addition in peroxone process: Performance improvement and modelling in wastewater effluents. <i>Journal of Hazardous Materials</i> , 2020 , 387, 121993	12.8	17
161	Characterization and fate of EfOM during ozonation applied for effective abatement of recalcitrant micropollutants. <i>Separation and Purification Technology</i> , 2020 , 237, 116468	8.3	6
160	Organic fertilizer as a chelating agent in photo-Fenton at neutral pH with LEDs for agricultural wastewater reuse: Micropollutant abatement and bacterial inactivation. <i>Chemical Engineering Journal</i> , 2020 , 388, 124246	14.7	17
159	Micropollutant removal in real WW by photo-Fenton (circumneutral and acid pH) with BLB and LED lamps. <i>Chemical Engineering Journal</i> , 2020 , 379, 122416	14.7	17
158	Catalytic ozonation by metal ions for municipal wastewater disinfection and simultaneous micropollutants removal. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 118104	21.8	22
157	Synergies, radiation and kinetics in photo-Fenton process with UVA-LEDs. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120882	12.8	18
156	Performance and kinetic modelling of photolytic and photocatalytic ozonation for enhanced micropollutants removal in municipal wastewaters. <i>Applied Catalysis B: Environmental</i> , 2019 , 249, 211-217	21.8	37
155	Sunlight and UVC-254 irradiation induced photodegradation of organophosphorus pesticide dichlorvos in aqueous matrices. <i>Science of the Total Environment</i> , 2019 , 649, 592-600	10.2	41
154	Kinetic study of colored species formation during paracetamol removal from water in a semicontinuous ozonation contactor. <i>Science of the Total Environment</i> , 2019 , 649, 1434-1442	10.2	13
153	Abatement of ozone-recalcitrant micropollutants during municipal wastewater ozonation: Kinetic modelling and surrogate-based control strategies. <i>Chemical Engineering Journal</i> , 2019 , 360, 1092-1100	14.7	41

152	Identification of intermediates, acute toxicity removal, and kinetics investigation to the Ametryn treatment by direct photolysis (UV), UV/HO, Fenton, and photo-Fenton processes. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 4348-4366	5.1	12
151	Priority pesticide dichlorvos removal from water by ozonation process: Reactivity, transformation products and associated toxicity. <i>Separation and Purification Technology</i> , 2018 , 192, 123-129	8.3	30
150	Photocatalytic diphenhydramine degradation under different radiation sources: Kinetic studies and energetic comparison. <i>Applied Catalysis B: Environmental</i> , 2018 , 220, 497-505	21.8	11
149	Photo-Fenton treatment of valproate under UVC, UVA and simulated solar radiation. <i>Journal of Hazardous Materials</i> , 2017 , 323, 537-549	12.8	22
148	Effects of bromide on the degradation of organic contaminants with UV and Fe 2+ activated persulfate. <i>Chemical Engineering Journal</i> , 2017 , 318, 206-213	14.7	41
147	Role of oxygen and DOM in sunlight induced photodegradation of organophosphorous flame retardants in river water. <i>Journal of Hazardous Materials</i> , 2017 , 323, 242-249	12.8	54
146	Priority pesticides abatement by advanced water technologies: The case of acetamiprid removal by ozonation. <i>Science of the Total Environment</i> , 2017 , 599-600, 1454-1461	10.2	45
145	Exploring ozonation as treatment alternative for methiocarb and formed transformation products abatement. <i>Chemosphere</i> , 2017 , 186, 725-732	8.4	10
144	Application of Ozone on Activated Sludge: Micropollutant Removal and Sludge Quality. <i>Ozone: Science and Engineering</i> , 2017 , 39, 319-332	2.4	4
143	Photocatalytic treatment of valproic acid sodium salt with TiO 2 in different experimental devices: An economic and energetic comparison. <i>Chemical Engineering Journal</i> , 2017 , 327, 656-665	14.7	9
142	Treatment of Diphenhydramine with different AOPs including photo-Fenton at circumneutral pH. <i>Chemical Engineering Journal</i> , 2017 , 318, 112-120	14.7	25
141	Study of the contribution of homogeneous catalysis on heterogeneous Fe(III)/alginate mediated photo-Fenton process. <i>Chemical Engineering Journal</i> , 2017 , 318, 272-280	14.7	39
140	Can activated sludge treatments and advanced oxidation processes remove organophosphorus flame retardants?. <i>Environmental Research</i> , 2016 , 144, 11-18	7.9	58
139	Enhancement of Fenton and photo-Fenton processes at initial circumneutral pH for the degradation of the Eblocker metoprolol. <i>Water Research</i> , 2016 , 88, 449-457	12.5	72
138	Degradation of Metoprolol by photo-Fenton: Comparison of different photoreactors performance. <i>Chemical Engineering Journal</i> , 2016 , 283, 639-648	14.7	30
137	Ozonation treatment of urban primary and biotreated wastewaters: Impacts and modeling. <i>Chemical Engineering Journal</i> , 2016 , 283, 768-777	14.7	30
136	Photocatalytic mechanism of metoprolol oxidation by photocatalysts TiO 2 and TiO 2 doped with 5% B: Primary active species and intermediates. <i>Applied Catalysis B: Environmental</i> , 2016 , 194, 111-122	21.8	72
135	BAC filtration to mitigate micropollutants and EfOM content in reclamation reverse osmosis brines. <i>Chemical Engineering Journal</i> , 2015 , 279, 589-596	14.7	20

134	Photocatalytic treatment of metoprolol with B-doped TiO ₂ : Effect of water matrix, toxicological evaluation and identification of intermediates. <i>Applied Catalysis B: Environmental</i> , 2015 , 176-177, 173-182	21.8	50
133	Study of Fe(III)-NTA chelates stability for applicability in photo-Fenton at neutral pH. <i>Applied Catalysis B: Environmental</i> , 2015 , 179, 372-379	21.8	51
132	Removal of organophosphate esters from municipal secondary effluent by ozone and UV/H ₂ O ₂ treatments. <i>Separation and Purification Technology</i> , 2015 , 156, 1028-1034	8.3	56
131	Ozone/H ₂ O ₂ Performance on the Degradation of Sulfamethoxazole. <i>Ozone: Science and Engineering</i> , 2015 , 37, 509-517	2.4	24
130	Advanced Oxidation Processes at Laboratory Scale: Environmental and Economic Impacts. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 3188-3196	8.3	49
129	Synthesis and characterization of B-doped TiO ₂ and their performance for the degradation of metoprolol. <i>Catalysis Today</i> , 2015 , 252, 27-34	5.3	47
128	Performance of different advanced oxidation technologies for the abatement of the beta-blocker metoprolol. <i>Catalysis Today</i> , 2015 , 240, 86-92	5.3	24
127	Catalytic studies for the abatement of emerging contaminants by ozonation. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 1611-1618	3.5	18
126	Advanced technologies for water treatment and reuse. <i>AIChE Journal</i> , 2015 , 61, 3146-3158	3.6	56
125	Oestrogenicity assessment of s-triazines by-products during ozonation. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 1538-46	2.6	4
124	Degradation kinetics and pathways of three calcium channel blockers under UV irradiation. <i>Water Research</i> , 2015 , 86, 9-16	12.5	24
123	Photochemical oxidation of municipal secondary effluents at low H ₂ O ₂ dosage: Study of hydroxyl radical scavenging and process performance. <i>Chemical Engineering Journal</i> , 2014 , 237, 268-276	14.7	35
122	Application of bioassay panel for assessing the impact of advanced oxidation processes on the treatment of reverse osmosis brine. <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 1168-1174	3.5	12
121	Assessment of iron chelates efficiency for photo-Fenton at neutral pH. <i>Water Research</i> , 2014 , 61, 232-42	12.5	14.2
120	Comparing the photocatalytic oxidation of Metoprolol in a solarbox and a solar pilot plant reactor. <i>Chemical Engineering Journal</i> , 2014 , 254, 17-29	14.7	16
119	A comparison of the environmental impact of different AOPs: risk indexes. <i>Molecules</i> , 2014 , 20, 503-18	4.8	2
118	Advanced UV/H ₂ O ₂ oxidation of deca-bromo diphenyl ether in sediments. <i>Science of the Total Environment</i> , 2014 , 479-480, 17-20	10.2	14
117	2,4-Dichlorophenol degradation by means of heterogeneous photocatalysis. Comparison between laboratory and pilot plant performance. <i>Chemical Engineering Journal</i> , 2013 , 232, 405-417	14.7	8

116	o-Nitrobenzaldehyde actinometry in the presence of suspended TiO ₂ for photocatalytic reactors. <i>Catalysis Today</i> , 2013 , 209, 209-214	5.3	40
115	Biological activity in expanded clay (EC) and granulated activated carbon (GAC) seawater filters. <i>Desalination</i> , 2013 , 328, 67-73	10.3	7
114	Pharmaceuticals and organic pollution mitigation in reclamation osmosis brines by UV/H ₂ O ₂ and ozone. <i>Journal of Hazardous Materials</i> , 2013 , 263 Pt 2, 268-74	12.8	82
113	Photolysis and TiO ₂ photocatalysis of the pharmaceutical propranolol: Solar and artificial light. <i>Applied Catalysis B: Environmental</i> , 2013 , 130-131, 249-256	21.8	88
112	Evaluation of UV/H ₂ O ₂ for the disinfection and treatment of municipal secondary effluents for water reuse. <i>Journal of Chemical Technology and Biotechnology</i> , 2013 , 88, 1697-1706	3.5	24
111	Transformation products and reaction kinetics in simulated solar light photocatalytic degradation of propranolol using Ce-doped TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2013 , 129, 13-29	21.8	75
110	Disinfection of Seawater: Application of UV and Ozone. <i>Ozone: Science and Engineering</i> , 2013 , 35, 63-70	2.4	17
109	NOM characterization by LC-OCD in a SWRO desalination line. <i>Desalination and Water Treatment</i> , 2013 , 51, 1776-1780		26
108	Reverse osmosis concentrate treatment by chemical oxidation and moving bed biofilm processes. <i>Water Science and Technology</i> , 2013 , 68, 2421-6	2.2	7
107	Adsorption and Photocatalytic Decomposition of the Blocker Metoprolol in Aqueous Titanium Dioxide Suspensions: Kinetics, Intermediates, and Degradation Pathways. <i>International Journal of Photoenergy</i> , 2013 , 2013, 1-10	2.1	18
106	Atrazine Removal in Municipal Secondary Effluents by Fenton and Photo-Fenton Treatments. <i>Chemical Engineering and Technology</i> , 2013 , 36, 2155-2162	2	20
105	Characterization of natural organic matter from Mediterranean coastal seawater 2013 , 62, 42-51		25
104	Influence of Physical and Optical Parameters on 2,4-Dichlorophenol Degradation. <i>International Journal of Chemical Reactor Engineering</i> , 2013 , 11, 765-772	1.2	1
103	Application of UV and UV/H ₂ O ₂ to seawater: Disinfection and natural organic matter removal. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 233, 40-45	4.7	31
102	Evaluation of copper slag to catalyze advanced oxidation processes for the removal of phenol in water. <i>Journal of Hazardous Materials</i> , 2012 , 213-214, 325-30	12.8	31
101	Investigation of chlorimuron-ethyl degradation by Fenton, photo-Fenton and ozonation processes. <i>Chemical Engineering Journal</i> , 2012 , 210, 444-450	14.7	37
100	Degradation of 32 emergent contaminants by UV and neutral photo-fenton in domestic wastewater effluent previously treated by activated sludge. <i>Water Research</i> , 2012 , 46, 1947-57	12.5	346
99	Direct evaluation of the absorbed photon flow in a photocatalytic reactor by an actinometric method. <i>Chemical Engineering Journal</i> , 2012 , 200-202, 158-167	14.7	3

98	Influence of High Salinity on the Degradation of Humic Acid by UV254 and H ₂ O ₂ /UV254. <i>Ozone: Science and Engineering</i> , 2012 , 34, 101-108	2.4	3
97	Recent Advances in Valorization Methods of Inorganic/Organic Solid, Liquid, and Gas Wastes. <i>International Journal of Chemical Engineering</i> , 2012 , 2012, 1-2	2.2	
96	Application of advanced oxidation for the removal of micropollutants in secondary effluents. <i>Journal of Water Reuse and Desalination</i> , 2012 , 2, 121-126	2.6	5
95	Modeling of absorbed radiation profiles in a system composed by a plane photoreactor and a single lamp. <i>Food Research International</i> , 2011 , 44, 3111-3114	7	10
94	Photooxidation of the antidepressant drug Fluoxetine (Prozac [®]) in aqueous media by hybrid catalytic/ozonation processes. <i>Water Research</i> , 2011 , 45, 2782-94	12.5	52
93	Ozonation of Municipal Secondary Effluent; Removal of Hazardous Micropollutants and Related Changes of Organic Matter Composition. <i>Journal of Advanced Oxidation Technologies</i> , 2011 , 14,		2
92	Photocatalytic degradation of oxytetracycline using TiO ₂ under natural and simulated solar radiation. <i>Solar Energy</i> , 2011 , 85, 2732-2740	6.8	119
91	Photocatalytic treatment of metoprolol and propranolol. <i>Catalysis Today</i> , 2011 , 161, 115-120	5.3	64
90	Ozone-Based Processes Applied to Municipal Secondary Effluents. <i>Ozone: Science and Engineering</i> , 2011 , 33, 243-249	2.4	25
89	Ozonation of Propranolol: Transformation, Biodegradability, and Toxicity Assessment. <i>Journal of Environmental Engineering, ASCE</i> , 2011 , 137, 754-759	2	23
88	Ozonation of NSAID: A Biodegradability and Toxicity Study. <i>Ozone: Science and Engineering</i> , 2010 , 32, 91-98	2.4	21
87	Characterization and Control Strategies of an Integrated Chemical/Biological System for the Remediation of Toxic Pollutants in Wastewater: A Case of Study. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 6972-6976	3.9	3
86	Degradation of the emerging contaminant ibuprofen in water by photo-Fenton. <i>Water Research</i> , 2010 , 44, 589-95	12.5	207
85	Effects of ozone pre-treatment on diclofenac: intermediates, biodegradability and toxicity assessment. <i>Science of the Total Environment</i> , 2009 , 407, 3572-8	10.2	123
84	Abatement of ibuprofen by solar photocatalysis process: Enhancement and scale up. <i>Catalysis Today</i> , 2009 , 144, 112-116	5.3	50
83	Photocatalytic degradation of antibiotics: The case of sulfamethoxazole and trimethoprim. <i>Catalysis Today</i> , 2009 , 144, 131-136	5.3	125
82	Performance of a sequencing batch biofilm reactor for the treatment of pre-oxidized sulfamethoxazole solutions. <i>Water Research</i> , 2009 , 43, 2149-58	12.5	36
81	Mineralization enhancement of a recalcitrant pharmaceutical pollutant in water by advanced oxidation hybrid processes. <i>Water Research</i> , 2009 , 43, 3984-91	12.5	95

80	Application of solar advanced oxidation processes to the degradation of the antibiotic sulfamethoxazole. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 1032-9	4.2	28
79	Assessment of cationic surfactants mineralization by ozonation and photo-Fenton process. <i>Water Environment Research</i> , 2009 , 81, 201-5	2.8	7
78	Photocatalytic degradation of non-steroidal anti-inflammatory drugs with TiO ₂ and simulated solar irradiation. <i>Water Research</i> , 2008 , 42, 585-94	12.5	262
77	Ultrasonic treatment of water contaminated with ibuprofen. <i>Water Research</i> , 2008 , 42, 4243-8	12.5	218
76	Higher intrinsic photocatalytic efficiency of 2,4,6-triphenylpyrylium-based photocatalysts compared to TiO ₂ P-25 for the degradation of 2,4-dichlorophenol using solar simulated light. <i>Chemosphere</i> , 2008 , 72, 67-74	8.4	17
75	Abatement of 4-Chlorophenol in Aqueous Phase by Ozonation Coupled with a Sequencing Batch Biofilm Reactor (SBBR). <i>Ozone: Science and Engineering</i> , 2008 , 30, 447-455	2.4	2
74	Combination of photo-Fenton and biological SBBR processes for sulfamethoxazole remediation. <i>Water Science and Technology</i> , 2008 , 58, 1707-13	2.2	4
73	Photolysis and TiO ₂ Photocatalytic Treatment of Naproxen: Degradation, Mineralization, Intermediates and Toxicity. <i>Journal of Advanced Oxidation Technologies</i> , 2008 , 11,		10
72	Sulfamethoxazole abatement by means of ozonation. <i>Journal of Hazardous Materials</i> , 2008 , 150, 790-4	12.8	210
71	Photodecomposition of 2,4-dichlorophenoxyacetic acid: Influence of pH. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 57, 273-279	3.5	14
70	Study of the wavelength effect in the photolysis and heterogeneous photocatalysis. <i>Catalysis Today</i> , 2007 , 129, 231-239	5.3	28
69	Wet oxidation of 4-chlorophenol. <i>Chemical Engineering Journal</i> , 2007 , 126, 59-65	14.7	18
68	Sulfamethoxazole abatement by photo-Fenton toxicity, inhibition and biodegradability assessment of intermediates. <i>Journal of Hazardous Materials</i> , 2007 , 146, 459-64	12.8	177
67	Ozonation and advanced oxidation technologies to remove endocrine disrupting chemicals (EDCs) and pharmaceuticals and personal care products (PPCPs) in water effluents. <i>Journal of Hazardous Materials</i> , 2007 , 149, 631-42	12.8	742
66	Comparative Study of 2,4-Dichlorophenol Degradation With Different Advanced Oxidation Processes. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2007 , 129, 60-67	2.3	8
65	Approach to TiO ₂ light interaction in heterogeneous photocatalysis. <i>Water Science and Technology</i> , 2007 , 55, 147-151	2.2	1
64	Coupled photochemical-biological system to treat biorecalcitrant wastewater. <i>Water Science and Technology</i> , 2007 , 55, 95-100	2.2	29
63	Simple Models for the Control of Photo-Fenton by Monitoring H ₂ O ₂ . <i>Journal of Advanced Oxidation Technologies</i> , 2007 , 10,		3

62	Kinetic study of sensitized norbornadiene photoisomerization. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 40, 101-115	3.5	1
61	Bezafibrate removal by means of ozonation: primary intermediates, kinetics, and toxicity assessment. <i>Water Research</i> , 2007 , 41, 2525-32	12.5	111
60	Effect of Salinity on the Photo-Fenton Process. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 7615-7619	3.9	67
59	Degradation of 2,4-dichlorophenol by combining photo-assisted Fenton reaction and biological treatment. <i>Water Environment Research</i> , 2006 , 78, 590-7	2.8	4
58	Ultrafiltration of aqueous solutions containing dextran. <i>Desalination</i> , 2006 , 188, 217-227	10.3	19
57	Ultrafiltration of aqueous solutions containing organic polymers. <i>Desalination</i> , 2006 , 189, 110-118	10.3	27
56	Wet peroxide oxidation of chlorophenols. <i>Water Research</i> , 2005 , 39, 795-802	12.5	26
55	Optimizing the solar photo-Fenton process in the treatment of contaminated water. Determination of intrinsic kinetic constants for scale-up. <i>Solar Energy</i> , 2005 , 79, 360-368	6.8	70
54	Photocatalytic degradation of 2,4-dichlorophenol by TiO ₂ /UV: Kinetics, actinometries and models. <i>Catalysis Today</i> , 2005 , 101, 227-236	5.3	102
53	Biodegradability Improvement of Aqueous 2,4-Dichlorophenol And Nitrobenzene Solutions By Means of Single Ozonation. <i>Ozone: Science and Engineering</i> , 2005 , 27, 381-387	2.4	3
52	Combining photo-Fenton process with biological sequencing batch reactor for 2,4-dichlorophenol degradation. <i>Water Science and Technology</i> , 2004 , 49, 293-298	2.2	34
51	Degradation of chlorophenols by means of advanced oxidation processes: a general review. <i>Applied Catalysis B: Environmental</i> , 2004 , 47, 219-256	21.8	1635
50	A comparative study of the advanced oxidation of 2,4-dichlorophenol. <i>Journal of Hazardous Materials</i> , 2004 , 107, 123-9	12.8	80
49	Engineering Aspects of the Integration of Chemical and Biological Oxidation: Simple Mechanistic Models for the Oxidation Treatment. <i>Journal of Environmental Engineering, ASCE</i> , 2004 , 130, 967-974	2	49
48	Sequential Ozonation and Biological Oxidation of Wastewaters: A Model Including Biomass Inhibition by Residual Oxidant. <i>Ozone: Science and Engineering</i> , 2003 , 25, 95-105	2.4	7
47	Mineralization of phenol in aqueous solution by ozonation using iron or copper salts and light. <i>Applied Catalysis B: Environmental</i> , 2003 , 43, 139-149	21.8	48
46	Contribution of the ozonation pre-treatment to the biodegradation of aqueous solutions of 2,4-dichlorophenol. <i>Water Research</i> , 2003 , 37, 3164-71	12.5	148
45	Rate equation for the degradation of nitrobenzene by Benton-like reagent. <i>Journal of Environmental Management</i> , 2003 , 7, 583-595		42

44	Iron(III) photooxidation of organic compounds in aqueous solutions. <i>Applied Catalysis B: Environmental</i> , 2002 , 37, 131-137	21.8	44
43	Effects of radiation absorption and catalyst concentration on the photocatalytic degradation of pollutants. <i>Catalysis Today</i> , 2002 , 76, 177-188	5.3	63
42	The influence of different irradiation sources on the treatment of nitrobenzene. <i>Catalysis Today</i> , 2002 , 76, 291-300	5.3	57
41	Photo-Fenton treatment of a biorecalcitrant wastewater generated in textile activities: biodegradability of the photo-treated solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002 , 151, 129-135	4.7	106
40	A new extraction procedure for simultaneous quantitative determination of water-soluble metals in reaction products of clays and inorganic salts. <i>Clays and Clay Minerals</i> , 2002 , 50, 401-405	2.1	9
39	Comparison of different advanced oxidation processes for phenol degradation. <i>Water Research</i> , 2002 , 36, 1034-42	12.5	789
38	High-Temperature Reaction of Kaolin with Sulfuric Acid. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 4168-4173	3.9	25
37	UV- and UV/Fe(III)-enhanced ozonation of nitrobenzene in aqueous solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001 , 142, 79-83	4.7	69
36	Simple Kinetic Models for the Evolution of BOD and COD in Chemical Oxidation Treatments. <i>Chemie-Ingenieur-Technik</i> , 2001 , 73, 606-606	0.8	
35	High temperature reaction of kaolin with inorganic acids. <i>Advances in Applied Ceramics</i> , 2001 , 100, 203-206		13
34	Use of Fenton reagent to improve organic chemical biodegradability. <i>Water Research</i> , 2001 , 35, 1047-51	12.5	430
33	Oxidation of nitrobenzene by O ₃ /UV: the influence of H ₂ O ₂ and Fe(III). Experiences in a pilot plant. <i>Water Science and Technology</i> , 2001 , 44, 39-46	2.2	22
32	Influence of H ₂ O ₂ and Fe(III) in the photodegradation of nitrobenzene. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000 , 133, 123-127	4.7	50
31	Photodecomposition of carbendazim in aqueous solutions. <i>Water Research</i> , 2000 , 34, 2951-2954	12.5	41
30	Comparison of Different Advanced Oxidation Processes Involving Ozone to Eliminate Atrazine. <i>Ozone: Science and Engineering</i> , 1999 , 21, 39-52	2.4	20
29	Photodecomposition of the sex pheromones of <i>Cydia pomonella</i> and <i>Lobesia botrana</i> in aqueous solutions. <i>Chemosphere</i> , 1998 , 36, 427-434	8.4	1
28	Photodegradation of Benzoic Acid in Aqueous Solutions. <i>Environmental Technology (United Kingdom)</i> , 1998 , 19, 955-960	2.6	3
27	Inactivaci3n de formas esporuladas de <i>Bacillus subtilis</i> mediante campos el3ctricos pulsantes de alta intensidad en combinacion con otras tecnicas de conservacion de alimentos/Inactivation of <i>Bacillus subtilis</i> spores using high intensity pulsed electric fields in combination with other food conservation technologies. <i>Food Science and Technology International</i> , 1998 , 4, 33-41	2.6	81

26	How and why combine chemical and biological processes for wastewater treatment. <i>Water Science and Technology</i> , 1997 , 35, 321-327	2.2	159
25	Oxidation of aromatic compounds with UV radiation/ozone/hydrogen peroxide. <i>Water Science and Technology</i> , 1997 , 35, 95-102	2.2	39
24	Oxidation of aromatic compounds with UV radiation/ozone/hydrogen peroxide. <i>Water Science and Technology</i> , 1997 , 35, 95	2.2	46
23	How and why combine chemical and biological processes for wastewater treatment. <i>Water Science and Technology</i> , 1997 , 35, 321	2.2	92
22	Kinetics of the UV degradation of atrazine in aqueous solution in the presence of hydrogen peroxide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1995 , 88, 65-74	4.7	26
21	Degradation of 2,4-D By Ozone And Light. <i>Ozone: Science and Engineering</i> , 1994 , 16, 235-245	2.4	27
20	Rheology of clarified fruit juices. III: Orange juices. <i>Journal of Food Engineering</i> , 1994 , 21, 485-494	6	75
19	Degradation of 4-chlorophenol by photolytic oxidation. <i>Water Research</i> , 1994 , 28, 1323-1328	12.5	64
18	A jacketed annular membrane photocatalytic reactor for wastewater treatment: degradation of formic acid and atrazine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993 , 71, 291-297	4.7	40
17	Photochemical degradation of parathion in aqueous solutions. <i>Water Research</i> , 1992 , 26, 911-915	12.5	38
16	Photochemical degradation of malathion in aqueous solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992 , 68, 121-129	4.7	6
15	Rheology of clarified fruit juices. I: Peach juices. <i>Journal of Food Engineering</i> , 1992 , 15, 49-61	6	47
14	TEMPERATURE INFLUENCE ON NORBORNADIENE PHOTOISOMERIZATION SENSITIZED WITH ACETOPHEHONE. <i>Chemical Engineering Communications</i> , 1991 , 99, 117-128	2.2	1
13	Radiation field inside a tubular multilamp reactor for water and wastewater treatment. <i>Industrial & Engineering Chemistry Research</i> , 1990 , 29, 1270-1278	3.9	18
12	Optimal production strategy and design of multiproduct batch plants. <i>Industrial & Engineering Chemistry Research</i> , 1990 , 29, 590-600	3.9	7
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5	A REACTOR MODEL FOR WATER PHOTOLYSIS EXPERIMENTAL STUDIES IN THE LIQUID PHASE WITH SUSPENSIONS OF CATALYTIC PARTICLES. <i>Chemical Engineering Communications</i> , 1987 , 51, 221-232 ^{2.2}	2.2	14
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