

Santiago Esplugas

List of Publications by Year
in descending order

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181
papers

12,213
citations

31976
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27406
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184
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184
docs citations

184
times ranked

10504
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of sunlight and oxygen on the performance of photo-Fenton process at near neutral pH using organic fertilizers as iron chelates. Science of the Total Environment, 2022, 803, 149873.	8.0	12
2	Reactions of bisphenol F and bisphenol S with ozone and hydroxyl radical: Kinetics and mechanisms. Science of the Total Environment, 2022, 846, 157173.	8.0	6
3	Improving ferrate disinfection and decontamination performance at neutral pH by activating peroxymonosulfate under solar light. Chemical Engineering Journal, 2022, 450, 137904.	12.7	14
4	Evaluation of the main active species involved in the TiO ₂ photocatalytic degradation of ametryn herbicide and its by-products. Journal of Environmental Chemical Engineering, 2021, 9, 105109.	6.7	16
5	Coagulation-flocculation followed by catalytic ozonation processes for enhanced primary treatment during wet weather conditions. Journal of Environmental Management, 2021, 283, 111975.	7.8	9
6	On disclosing the role of mesoporous alumina in the ozonation of sulfamethoxazole: Adsorption vs. Catalysis. Chemical Engineering Journal, 2021, 412, 128579.	12.7	9
7	Improvement of the photo-Fenton process at natural condition of pH using organic fertilizers mixtures: Potential application to agricultural reuse of wastewater. Applied Catalysis B: Environmental, 2021, 290, 120066.	20.2	22
8	Mixtures of chelating agents to enhance photo-Fenton process at natural pH: Influence of wastewater matrix on micropollutant removal and bacterial inactivation. Science of the Total Environment, 2021, 786, 147416.	8.0	15
9	Absorbed radiation and kinetic model in photocatalysis by TiO ₂ . International Journal of Chemical Reactor Engineering, 2021, .	1.1	1
10	Micropollutant removal in real WW by photo-Fenton (circumneutral and acid pH) with BLB and LED lamps. Chemical Engineering Journal, 2020, 379, 122416.	12.7	31
11	Continuous versus single H ₂ O ₂ addition in peroxone process: Performance improvement and modelling in wastewater effluents. Journal of Hazardous Materials, 2020, 387, 121993.	12.4	27
12	Characterization and fate of EfOM during ozonation applied for effective abatement of recalcitrant micropollutants. Separation and Purification Technology, 2020, 237, 116468.	7.9	8
13	Organic fertilizer as a chelating agent in photo-Fenton at neutral pH with LEDs for agricultural wastewater reuse: Micropollutant abatement and bacterial inactivation. Chemical Engineering Journal, 2020, 388, 124246.	12.7	28
14	Removal of Pharmaceutically Active Compounds (PhACs) in Wastewater by Ozone and Advanced Oxidation Processes. Handbook of Environmental Chemistry, 2020, , 269-298.	0.4	1
15	Synergies, radiation and kinetics in photo-Fenton process with UVA-LEDs. Journal of Hazardous Materials, 2019, 380, 120882.	12.4	28
16	Catalytic ozonation by metal ions for municipal wastewater disinfection and simultaneous micropollutants removal. Applied Catalysis B: Environmental, 2019, 259, 118104.	20.2	42
17	Performance and kinetic modelling of photolytic and photocatalytic ozonation for enhanced micropollutants removal in municipal wastewaters. Applied Catalysis B: Environmental, 2019, 249, 211-217.	20.2	49
18	Sunlight and UVC-254 irradiation induced photodegradation of organophosphorus pesticide dichlorvos in aqueous matrices. Science of the Total Environment, 2019, 649, 592-600.	8.0	59

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19	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.	8.0	20
20	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.	12.7	52
21	Identification of intermediates, acute toxicity removal, and kinetics investigation to the Ametryn treatment by direct photolysis (UV254), UV254/H ₂ O ₂ , Fenton, and photo-Fenton processes. <i>Environmental Science and Pollution Research</i> , 2019, 26, 4348-4366.	5.3	19
22	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.	7.9	41
23	Photocatalytic diphenhydramine degradation under different radiation sources: Kinetic studies and energetic comparison. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 497-505.	20.2	20
24	Photo-Fenton treatment of valproate under UVC, UVA and simulated solar radiation. <i>Journal of Hazardous Materials</i> , 2017, 323, 537-549.	12.4	32
25	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.	12.7	53
26	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.	12.4	94
27	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.	8.0	69
28	Exploring ozonation as treatment alternative for methiocarb and formed transformation products abatement. <i>Chemosphere</i> , 2017, 186, 725-732.	8.2	16
29	Application of Ozone on Activated Sludge: Micropollutant Removal and Sludge Quality. <i>Ozone: Science and Engineering</i> , 2017, 39, 319-332.	2.5	4
30	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.	12.7	15
31	Treatment of Diphenhydramine with different AOPs including photo-Fenton at circumneutral pH. <i>Chemical Engineering Journal</i> , 2017, 318, 112-120.	12.7	33
32	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.	12.7	55
33	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.	20.2	94
34	Can activated sludge treatments and advanced oxidation processes remove organophosphorus flame retardants?. <i>Environmental Research</i> , 2016, 144, 11-18.	7.5	84
35	Enhancement of Fenton and photo-Fenton processes at initial circumneutral pH for the degradation of the I ² -blocker metoprolol. <i>Water Research</i> , 2016, 88, 449-457.	11.3	82
36	Degradation of Metoprolol by photo-Fenton: Comparison of different photoreactors performance. <i>Chemical Engineering Journal</i> , 2016, 283, 639-648.	12.7	42

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37	Ozonation treatment of urban primary and biotreated wastewaters: Impacts and modeling. Chemical Engineering Journal, 2016, 283, 768-777.	12.7	36
38	Catalytic studies for the abatement of emerging contaminants by ozonation. Journal of Chemical Technology and Biotechnology, 2015, 90, 1611-1618.	3.2	23
39	Advanced technologies for water treatment and reuse. AIChE Journal, 2015, 61, 3146-3158.	3.6	67
40	A Comparison of the Environmental Impact of Different AOPs: Risk Indexes. Molecules, 2015, 20, 503-518.	3.8	4
41	Oestrogenicity assessment of s-triazines by-products during ozonation. Environmental Technology (United Kingdom), 2015, 36, 1538-1546.	2.2	5
42	Degradation kinetics and pathways of three calcium channel blockers under UV irradiation. Water Research, 2015, 86, 9-16.	11.3	33
43	BAC filtration to mitigate micropollutants and EfOM content in reclamation reverse osmosis brines. Chemical Engineering Journal, 2015, 279, 589-596.	12.7	22
44	Photocatalytic treatment of metoprolol with B-doped TiO ₂ : Effect of water matrix, toxicological evaluation and identification of intermediates. Applied Catalysis B: Environmental, 2015, 176-177, 173-182.	20.2	61
45	Study of Fe(III)-NTA chelates stability for applicability in photo-Fenton at neutral pH. Applied Catalysis B: Environmental, 2015, 179, 372-379.	20.2	67
46	Removal of organophosphate esters from municipal secondary effluent by ozone and UV/H ₂ O ₂ treatments. Separation and Purification Technology, 2015, 156, 1028-1034.	7.9	71
47	Ozone/H ₂ O ₂ Performance on the Degradation of Sulfamethoxazole. Ozone: Science and Engineering, 2015, 37, 509-517.	2.5	26
48	Advanced Oxidation Processes at Laboratory Scale: Environmental and Economic Impacts. ACS Sustainable Chemistry and Engineering, 2015, 3, 3188-3196.	6.7	63
49	Synthesis and characterization of B-doped TiO ₂ and their performance for the degradation of metoprolol. Catalysis Today, 2015, 252, 27-34.	4.4	60
50	Performance of different advanced oxidation technologies for the abatement of the beta-blocker metoprolol. Catalysis Today, 2015, 240, 86-92.	4.4	28
51	Advanced UV/H ₂ O ₂ oxidation of deca-bromo diphenyl ether in sediments. Science of the Total Environment, 2014, 479-480, 17-20.	8.0	15
52	Photochemical oxidation of municipal secondary effluents at low H ₂ O ₂ dosage: Study of hydroxyl radical scavenging and process performance. Chemical Engineering Journal, 2014, 237, 268-276.	12.7	40
53	Application of bioassay panel for assessing the impact of advanced oxidation processes on the treatment of reverse osmosis brine. Journal of Chemical Technology and Biotechnology, 2014, 89, 1168-1174.	3.2	14
54	Assessment of iron chelates efficiency for photo-Fenton at neutral pH. Water Research, 2014, 61, 232-242.	11.3	184

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55	Comparing the photocatalytic oxidation of Metoprolol in a solarbox and a solar pilot plant reactor. Chemical Engineering Journal, 2014, 254, 17-29.	12.7	19
56	2,4-Dichlorophenol degradation by means of heterogeneous photocatalysis. Comparison between laboratory and pilot plant performance. Chemical Engineering Journal, 2013, 232, 405-417.	12.7	9
57	o-Nitrobenzaldehyde actinometry in the presence of suspended TiO ₂ for photocatalytic reactors. Catalysis Today, 2013, 209, 209-214.	4.4	44
58	Biological activity in expanded clay (EC) and granulated activated carbon (GAC) seawater filters. Desalination, 2013, 328, 67-73.	8.2	8
59	Pharmaceuticals and organic pollution mitigation in reclamation osmosis brines by UV/H ₂ O ₂ and ozone. Journal of Hazardous Materials, 2013, 263, 268-274.	12.4	99
60	Photolysis and TiO ₂ photocatalysis of the pharmaceutical propranolol: Solar and artificial light. Applied Catalysis B: Environmental, 2013, 130-131, 249-256.	20.2	99
61	Evaluation of UV/H_2O_2 for the disinfection and treatment of municipal secondary effluents for water reuse. Journal of Chemical Technology and Biotechnology, 2013, 88, 1697-1706.	3.2	25
62	Transformation products and reaction kinetics in simulated solar light photocatalytic degradation of propranolol using Ce-doped TiO ₂ . Applied Catalysis B: Environmental, 2013, 129, 13-29.	20.2	90
63	Disinfection of Seawater: Application of UV and Ozone. Ozone: Science and Engineering, 2013, 35, 63-70.	2.5	23
64	NOM characterization by LC-OCD in a SWRO desalination line. Desalination and Water Treatment, 2013, 51, 1776-1780.	1.0	30
65	Reverse osmosis concentrate treatment by chemical oxidation and moving bed biofilm processes. Water Science and Technology, 2013, 68, 2421-2426.	2.5	10
66	Adsorption and Photocatalytic Decomposition of the H_2O_2 -Blocker Metoprolol in Aqueous Titanium Dioxide Suspensions: Kinetics, Intermediates, and Degradation Pathways. International Journal of Photoenergy, 2013, 2013, 1-10.	2.5	23
67	Atrazine Removal in Municipal Secondary Effluents by Fenton and Photo-Fenton Treatments. Chemical Engineering and Technology, 2013, 36, 2155-2162.	1.5	26
68	Characterization of natural organic matter from Mediterranean coastal seawater. Journal of Water Supply: Research and Technology - AQUA, 2013, 62, 42-51.	1.4	32
69	Influence of Physical and Optical Parameters on 2,4-Dichlorophenol Degradation. International Journal of Chemical Reactor Engineering, 2013, 11, 765-772.	1.1	2
70	Influence of High Salinity on the Degradation of Humic Acid by UV ₂₅₄ and H ₂ O ₂ /UV ₂₅₄ . Ozone: Science and Engineering, 2012, 34, 101-108.	2.5	4
71	Recent Advances in Valorization Methods of Inorganic/Organic Solid, Liquid, and Gas Wastes. International Journal of Chemical Engineering, 2012, 2012, 1-2.	2.4	0
72	Application of advanced oxidation for the removal of micropollutants in secondary effluents. Journal of Water Reuse and Desalination, 2012, 2, 121-126.	2.3	6

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73	Investigation of chlorimuron-ethyl degradation by Fenton, photo-Fenton and ozonation processes. Chemical Engineering Journal, 2012, 210, 444-450.	12.7	40
74	Degradation of 32 emergent contaminants by UV and neutral photo-fenton in domestic wastewater effluent previously treated by activated sludge. Water Research, 2012, 46, 1947-1957.	11.3	398
75	Direct evaluation of the absorbed photon flow in a photocatalytic reactor by an actinometric method. Chemical Engineering Journal, 2012, 200-202, 158-167.	12.7	4
76	Application of UV and UV/H ₂ O ₂ to seawater: Disinfection and natural organic matter removal. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 233, 40-45.	3.9	39
77	Evaluation of copper slag to catalyze advanced oxidation processes for the removal of phenol in water. Journal of Hazardous Materials, 2012, 213-214, 325-330.	12.4	39
78	Ozone-Based Processes Applied to Municipal Secondary Effluents. Ozone: Science and Engineering, 2011, 33, 243-249.	2.5	31
79	Modeling of absorbed radiation profiles in a system composed by a plane photoreactor and a single lamp. Food Research International, 2011, 44, 3111-3114.	6.2	11
80	Photooxidation of the antidepressant drug Fluoxetine (Prozac®) in aqueous media by hybrid catalytic/ozonation processes. Water Research, 2011, 45, 2782-2794.	11.3	63
81	Ozonation of Municipal Secondary Effluent; Removal of Hazardous Micropollutants and Related Changes of Organic Matter Composition. Journal of Advanced Oxidation Technologies, 2011, 14, .	0.5	2
82	Photocatalytic degradation of oxytetracycline using TiO ₂ under natural and simulated solar radiation. Solar Energy, 2011, 85, 2732-2740.	6.1	147
83	Photocatalytic treatment of metoprolol and propranolol. Catalysis Today, 2011, 161, 115-120.	4.4	71
84	Ozonation of Propranolol: Transformation, Biodegradability, and Toxicity Assessment. Journal of Environmental Engineering, ASCE, 2011, 137, 754-759.	1.4	26
85	Ozonation of NSAID: A Biodegradability and Toxicity Study. Ozone: Science and Engineering, 2010, 32, 91-98.	2.5	24
86	Characterization and Control Strategies of an Integrated Chemical~Biological System for the Remediation of Toxic Pollutants in Wastewater: A Case of Study. Industrial & Engineering Chemistry Research, 2010, 49, 6972-6976.	3.7	3
87	Degradation of the emerging contaminant ibuprofen in water by photo-Fenton. Water Research, 2010, 44, 589-595.	11.3	245
88	Effects of ozone pre-treatment on diclofenac: Intermediates, biodegradability and toxicity assessment. Science of the Total Environment, 2009, 407, 3572-3578.	8.0	147
89	Abatement of ibuprofen by solar photocatalysis process: Enhancement and scale up. Catalysis Today, 2009, 144, 112-116.	4.4	59
90	Photocatalytic degradation of antibiotics: The case of sulfamethoxazole and trimethoprim. Catalysis Today, 2009, 144, 131-136.	4.4	141

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91	Performance of a Sequencing Batch Biofilm Reactor for the treatment of pre-oxidized Sulfamethoxazole solutions. <i>Water Research</i> , 2009, 43, 2149-2158.	11.3	38
92	Mineralization enhancement of a recalcitrant pharmaceutical pollutant in water by advanced oxidation hybrid processes. <i>Water Research</i> , 2009, 43, 3984-3991.	11.3	109
93	Application of solar advanced oxidation processes to the degradation of the antibiotic sulfamethoxazole. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1032-1039.	2.9	32
94	Comparison of Emerging NSAID Pollutants Degradation in Aqueous Media by O ₃ /UV-VIS Processes. <i>Journal of Advanced Oxidation Technologies</i> , 2009, 12, .	0.5	0
95	Assessment of Cationic Surfactants Mineralization by Ozonation and Photo-Fenton Process. <i>Water Environment Research</i> , 2009, 81, 201-205.	2.7	11
96	Sulfamethoxazole abatement by means of ozonation. <i>Journal of Hazardous Materials</i> , 2008, 150, 790-794.	12.4	239
97	Photocatalytic degradation of non-steroidal anti-inflammatory drugs with TiO ₂ and simulated solar irradiation. <i>Water Research</i> , 2008, 42, 585-594.	11.3	318
98	Ultrasonic treatment of water contaminated with ibuprofen. <i>Water Research</i> , 2008, 42, 4243-4248.	11.3	253
99	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.	8.2	20
100	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.	2.5	4
101	Combination of photo-Fenton and biological SBBR processes for sulfamethoxazole remediation. <i>Water Science and Technology</i> , 2008, 58, 1707-1713.	2.5	5
102	Photolysis and TiO ₂ Photocatalytic Treatment of Naproxen: Degradation, Mineralization, Intermediates and Toxicity. <i>Journal of Advanced Oxidation Technologies</i> , 2008, 11, .	0.5	14
103	Biodegradation of Photo-Fenton Pre-Treated Solutions of Sulfamethoxazole by Aerobic Communities. Molecular Biology Techniques Applied to the Determination of Existing Strains. <i>Journal of Advanced Oxidation Technologies</i> , 2008, 11, .	0.5	0
104	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.	1.8	10
105	Approach to TiO ₂ -light interaction in heterogeneous photocatalysis. <i>Water Science and Technology</i> , 2007, 55, 147-151.	2.5	1
106	Coupled photochemical-biological system to treat biorecalcitrant wastewater. <i>Water Science and Technology</i> , 2007, 55, 95-100.	2.5	31
107	Simple Models for the Control of Photo-Fenton by Monitoring H ₂ O ₂ . <i>Journal of Advanced Oxidation Technologies</i> , 2007, 10, .	0.5	3
108	Bezafibrate removal by means of ozonation: Primary intermediates, kinetics, and toxicity assessment. <i>Water Research</i> , 2007, 41, 2525-2532.	11.3	123

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109	Effect of Salinity on the Photo-Fenton Process. Industrial & Engineering Chemistry Research, 2007, 46, 7615-7619.	3.7	83
110	Photodecomposition of 2,4-dichlorophenoxyacetic acid: Influence of pH. Journal of Chemical Technology and Biotechnology, 2007, 57, 273-279.	3.2	18
111	Study of the wavelength effect in the photolysis and heterogeneous photocatalysis. Catalysis Today, 2007, 129, 231-239.	4.4	34
112	Wet oxidation of 4-chlorophenol. Chemical Engineering Journal, 2007, 126, 59-65.	12.7	20
113	Sulfamethoxazole abatement by photo-Fenton. Journal of Hazardous Materials, 2007, 146, 459-464.	12.4	193
114	Ozonation and advanced oxidation technologies to remove endocrine disrupting chemicals (EDCs) and pharmaceuticals and personal care products (PPCPs) in water effluents. Journal of Hazardous Materials, 2007, 149, 631-642.	12.4	846
115	Degradation of 2,4-Dichlorophenol by Combining Photo-Assisted Fenton Reaction and Biological Treatment. Water Environment Research, 2006, 78, 590-597.	2.7	5
116	Biodegradability Enhancement of Wastewater Containing 4-Chlorophenol by Means of Photo-Fenton. Journal of Advanced Oxidation Technologies, 2006, 9, .	0.5	0
117	Ultrafiltration of aqueous solutions containing dextran. Desalination, 2006, 188, 217-227.	8.2	19
118	Ultrafiltration of aqueous solutions containing organic polymers. Desalination, 2006, 189, 110-118.	8.2	27
119	Kinetics of Wet Oxidation Reactions. Journal of Advanced Oxidation Technologies, 2006, 9, .	0.5	1
120	Optimizing the solar photo-Fenton process in the treatment of contaminated water. Determination of intrinsic kinetic constants for scale-up. Solar Energy, 2005, 79, 360-368.	6.1	78
121	Photocatalytic degradation of 2,4-dichlorophenol by TiO ₂ /UV: Kinetics, actinometries and models. Catalysis Today, 2005, 101, 227-236.	4.4	115
122	Biodegradability Improvement of Aqueous 2,4-Dichlorophenol And Nitrobenzene Solutions By Means of Single Ozonation. Ozone: Science and Engineering, 2005, 27, 381-387.	2.5	5
123	Wet peroxide oxidation of chlorophenols. Water Research, 2005, 39, 795-802.	11.3	28
124	Combining photo-Fenton process with biological sequencing batch reactor for 2,4-dichlorophenol degradation. Water Science and Technology, 2004, 49, 293-298.	2.5	35
125	Degradation of chlorophenols by means of advanced oxidation processes: a general review. Applied Catalysis B: Environmental, 2004, 47, 219-256.	20.2	1,874
126	A comparative study of the advanced oxidation of 2,4-dichlorophenol. Journal of Hazardous Materials, 2004, 107, 123-129.	12.4	92

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127	Engineering Aspects of the Integration of Chemical and Biological Oxidation: Simple Mechanistic Models for the Oxidation Treatment. Journal of Environmental Engineering, ASCE, 2004, 130, 967-974.	1.4	59
128	Mineralization of phenol in aqueous solution by ozonation using iron or copper salts and light. Applied Catalysis B: Environmental, 2003, 43, 139-149.	20.2	58
129	Contribution of the ozonation pre-treatment to the biodegradation of aqueous solutions of 2,4-dichlorophenol. Water Research, 2003, 37, 3164-3171.	11.3	167
130	Rate equation for the degradation of nitrobenzene by "Fenton-like" reagent. Journal of Environmental Management, 2003, 7, 583-595.	1.7	54
131	Sequential Ozonation and Biological Oxidation of Wastewaters: A Model Including Biomass Inhibition by Residual Oxidant. Ozone: Science and Engineering, 2003, 25, 95-105.	2.5	8
132	A New Extraction Procedure for Simultaneous Quantitative Determination of Water-soluble Metals in Reaction Products of Clays and Inorganic Salts. Clays and Clay Minerals, 2002, 50, 401-405.	1.3	9
133	Comparison of different advanced oxidation processes for phenol degradation. Water Research, 2002, 36, 1034-1042.	11.3	918
134	High-Temperature Reaction of Kaolin with Sulfuric Acid. Industrial & Engineering Chemistry Research, 2002, 41, 4168-4173.	3.7	28
135	Iron(III) photooxidation of organic compounds in aqueous solutions. Applied Catalysis B: Environmental, 2002, 37, 131-137.	20.2	49
136	Effects of radiation absorption and catalyst concentration on the photocatalytic degradation of pollutants. Catalysis Today, 2002, 76, 177-188.	4.4	78
137	The influence of different irradiation sources on the treatment of nitrobenzene. Catalysis Today, 2002, 76, 291-300.	4.4	60
138	Photo-Fenton treatment of a biorecalcitrant wastewater generated in textile activities: biodegradability of the photo-treated solution. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 151, 129-135.	3.9	122
139	Use of fenton reagent to improve organic chemical biodegradability. Water Research, 2001, 35, 1047-1051.	11.3	491
140	Oxidation of nitrobenzene by O ₃ /UV: the influence of H ₂ O ₂ and Fe(III). Experiences in a pilot plant. Water Science and Technology, 2001, 44, 39-46.	2.5	30
141	UV- and UV/Fe(III)-enhanced ozonation of nitrobenzene in aqueous solution. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 142, 79-83.	3.9	75
142	High temperature reaction of kaolin with inorganic acids. Advances in Applied Ceramics, 2001, 100, 203-206.	0.4	16
143	Engineering Aspects of the Continuous Treatment of Fluid Foods by Pulsed Electric Fields. Food Preservation Technology, 2001, , .	0.0	1
144	Influence of H ₂ O ₂ and Fe(III) in the photodegradation of nitrobenzene. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 133, 123-127.	3.9	53

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145	Photodecomposition of carbendazim in aqueous solutions. Water Research, 2000, 34, 2951-2954.	11.3	49
146	Comparison of Different Advanced Oxidation Processes Involving Ozone to Eliminate Atrazine. Ozone: Science and Engineering, 1999, 21, 39-52.	2.5	26
147	Photodecomposition of the sex pheromones of <i>Cydia pomonella</i> and <i>Lobesia botrana</i> in aqueous solutions. Chemosphere, 1998, 36, 427-434.	8.2	1
148	Photodegradation of Benzoic Acid in Aqueous Solutions. Environmental Technology (United Kingdom), 1997, 18, 1061-1067.	2.2	4
149	Inactivación de formas esporuladas de <i>Bacillus subtilis</i> mediante campos eléctricos pulsantes de alta intensidad en combinación con otras técnicas de conservación de alimentos/Inactivation of <i>Bacillus subtilis</i> spores using high intensity pulsed electric fields in combination with other food conservation technologies. Food Science and Technology International, 1998, 4, 33-44.	2.2	88
150	How and why combine chemical and biological processes for wastewater treatment. Water Science and Technology, 1997, 35, 321-327.	2.5	171
151	Oxidation of aromatic compounds with UV radiation/ozone/hydrogen peroxide. Water Science and Technology, 1997, 35, 95-102.	2.5	42
152	Economic Aspects of Integrated (Chemical + Biological) Processes for Water Treatment. Journal of Advanced Oxidation Technologies, 1997, 2, .	0.5	3
153	Oxidation of aromatic compounds with UV radiation/ozone/hydrogen peroxide. Water Science and Technology, 1997, 35, 95.	2.5	67
154	How and why combine chemical and biological processes for wastewater treatment. Water Science and Technology, 1997, 35, 321.	2.5	130
155	Kinetics of the UV degradation of atrazine in aqueous solution in the presence of hydrogen peroxide. Journal of Photochemistry and Photobiology A: Chemistry, 1995, 88, 65-74.	3.9	33
156	Degradation of 2,4-D By Ozone And Light. Ozone: Science and Engineering, 1994, 16, 235-245.	2.5	33
157	Rheology of clarified fruit juices. III: Orange juices. Journal of Food Engineering, 1994, 21, 485-494.	5.2	82
158	Degradation of 4-chlorophenol by photolytic oxidation. Water Research, 1994, 28, 1323-1328.	11.3	77
159	A jacketed annular membrane photocatalytic reactor for wastewater treatment: degradation of formic acid and atrazine. Journal of Photochemistry and Photobiology A: Chemistry, 1993, 71, 291-297.	3.9	45
160	Photochemical degradation of parathion in aqueous solutions. Water Research, 1992, 26, 911-915.	11.3	41
161	Photochemical degradation of malathion in aqueous solutions. Journal of Photochemistry and Photobiology A: Chemistry, 1992, 68, 121-129.	3.9	6
162	Rheology of clarified fruit juices. I: Peach juices. Journal of Food Engineering, 1992, 15, 49-61.	5.2	52

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163	TEMPERATURE INFLUENCE ON NORBORNADIENE PHOTOISOMERIZATION SENSITIZED WITH ACETOPHEHONE. Chemical Engineering Communications, 1991, 99, 117-128.	2.6	1
164	Radiation field inside a tubular multilamp reactor for water and wastewater treatment. Industrial & Engineering Chemistry Research, 1990, 29, 1270-1278.	3.7	19
165	Optimal production strategy and design of multiproduct batch plants. Industrial & Engineering Chemistry Research, 1990, 29, 590-600.	3.7	8
166	Ozone and ozone/UV decolorization of bleaching waters of the paper industry. Industrial & Engineering Chemistry Research, 1990, 29, 349-355.	3.7	17
167	Effect of the reflector shape on the performance of multilamp photoreactors applied to pollution abatement. Industrial & Engineering Chemistry Research, 1990, 29, 1283-1289.	3.7	4
168	Design and experimental verification of a tubular multilamp reactor for water and wastewater treatment. Industrial & Engineering Chemistry Research, 1990, 29, 1278-1283.	3.7	6
169	Ozonization of bleaching waters of the paper industry. Water Research, 1989, 23, 51-55.	11.3	18
170	A new methodology for the optimal design and production schedule of multipurpose batch plants. Industrial & Engineering Chemistry Research, 1989, 28, 988-998.	3.7	22
171	Treatment of bleaching waters in the paper industry by hydrogen peroxide and ultraviolet radiation. Water Research, 1988, 22, 663-668.	11.3	60
172	A REACTOR MODEL FOR WATER PHOTOLYSIS EXPERIMENTAL STUDIES IN THE LIQUID PHASE WITH SUSPENSIONS OF CATALYTIC PARTICLES. Chemical Engineering Communications, 1987, 51, 221-232.	2.6	16
173	Influence of lamp position on available radiation flux in an annular photoreactor. The Chemical Engineering Journal, 1987, 34, 111-115.	0.3	10
174	Kinetic study of sensitized norbornadiene photoisomerization. Journal of Chemical Technology and Biotechnology, 1987, 40, 101-115.	3.2	1
175	Kinetic Study of 4-Chloro-2-methylphenoxyacetic Acid Photodegeneration. Industrial & Engineering Chemistry Product Research and Development, 1986, 25, 645-649.	0.5	12
176	Hydrogen photoproduction in a continuous flow system with u.v.-light and aqueous suspensions of RuOx/Pt/TiO2. International Journal of Hydrogen Energy, 1985, 10, 221-226.	7.1	17
177	Influence of lamp position on the performance of the annular photoreactor. The Chemical Engineering Journal, 1983, 27, 107-111.	0.3	20
178	The annular photoreactor. Journal of Photochemistry and Photobiology, 1981, 17, 29.	0.6	0
179	New insights in photo-Fenton process at neutral pH: organic fertilizer as an iron complex for agricultural irrigation reuse.. , 0, , .		0
180	TiO2 photocatalyst reactivity in highly saline water under simulated sunlight irradiation Â. , 0, , .		0

#	ARTICLE	IF	CITATIONS
181	Photo-Fenton treatment for the removal of contaminants of emerging concern in wastewaters. , 0, , .		0