Isabel Oller Alberola

List of Publications by Year
in descending order

148 papers	8,825 citations	44069 48 h-index	46799 89 g-index
152 all docs	152 docs citations	152 times ranked	7883 citing authors

#	Article	IF	Citations
1	Evaluation of commercial zerovalent iron sources in combination with solar energy to remove microcontaminants from natural water at circumneutral pH. Chemosphere, 2022, 286, 131557.	8.2	4
2	Solar-driven free chlorine advanced oxidation process for simultaneous removal of microcontaminants and microorganisms in natural water at pilot-scale. Chemosphere, 2022, 288, 132493.	8.2	14
3	Solar photo-Fenton at circumneutral pH using Fe(III)-EDDS compared to ozonation for tertiary treatment of urban wastewater: Contaminants of emerging concern removal and toxicity assessment. Chemical Engineering Journal, 2022, 431, 133474.	12.7	21
4	Recent advances in solar photochemical processes for water and wastewater disinfection. Chemical Engineering Journal Advances, 2022, 10, 100248.	5.2	18
5	Removal of microcontaminants by zero-valent iron solar processes at natural pH: Water matrix and oxidant agents effect. Science of the Total Environment, 2022, 819, 153152.	8.0	6
6	Valorization of UWWTP effluents for ammonium recovery and MC elimination by advanced AOPs. Science of the Total Environment, 2022, 823, 153693.	8.0	3
7	Solar Detoxification and Disinfection of Water. , 2022, , 453-480.		0
8	Enhanced solar photo-electro-Fenton by Theobroma grandiflorum addition during pharmaceuticals elimination in municipal wastewater: Action routes, process improvement, and biodegradability of the treated water. Journal of Environmental Chemical Engineering, 2022, 10, 107489.	6.7	9
9	Sulfate radical anion: Laser flash photolysis study and application in water disinfection and decontamination. Applied Catalysis B: Environmental, 2022, 315, 121519.	20.2	11
10	Assessment of a Novel Photocatalytic TiO2-Zirconia Ultrafiltration Membrane and Combination with Solar Photo-Fenton Tertiary Treatment of Urban Wastewater. Catalysts, 2022, 12, 552.	3.5	3
11	Natural solar activation of modified zinc oxides with rare earth elements (Ce, Yb) and Fe for the simultaneous disinfection and decontamination of urban wastewater. Chemosphere, 2022, 303, 135017.	8.2	4
12	Electrochemically assisted photocatalysis for the simultaneous degradation of organic micro-contaminants and inactivation of microorganisms in water. Chemical Engineering Research and Design, 2021, 147, 488-496.	5.6	20
13	Nanofiltration retentate treatment from urban wastewater secondary effluent by solar electrochemical oxidation processes. Separation and Purification Technology, 2021, 254, 117614.	7.9	21
14	Aluminized surface to improve solar light absorption in open reactors: Application for micropollutants removal in effluents from municipal wastewater treatment plants. Science of the Total Environment, 2021, 755, 142624.	8.0	18
15	Pilot-scale removal of microcontaminants by solar-driven photo-Fenton in treated municipal effluents: Selection of operating variables based on lab-scale experiments. Journal of Environmental Chemical Engineering, 2021, 9, 104788.	6.7	11
16	Scale-up impact over solar photocatalytic ozonation with benchmark-P25 and N-TiO2 for insecticides abatement in water. Journal of Environmental Chemical Engineering, 2021, 9, 104915.	6.7	12
17	Effect of salinity on preconcentration of contaminants of emerging concern by nanofiltration: Application of solar photo-Fenton as a tertiary treatment. Science of the Total Environment, 2021, 756, 143593.	8.0	14
18	Magnetic Photocatalyst for Wastewater Tertiary Treatment at Pilot Plant Scale: Disinfection and Enrofloxacin Abatement. Water (Switzerland), 2021, 13, 329.	2.7	7

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19	Solar Detoxification and Disinfection of Water. , 2021, , 1-28.		0
20	Fluorescence Spectroscopy and Chemometrics: A Simple and Easy Way for the Monitoring of Fluoroquinolone Mixture Degradation. ACS Omega, 2021, 6, 4663-4671.	3.5	14
21	Simultaneous removal of contaminants of emerging concern and pathogens from urban wastewater by homogeneous solar driven advanced oxidation processes. Science of the Total Environment, 2021, 766, 144320.	8.0	28
22	Photo-Fenton applied to the removal of pharmaceutical and other pollutants of emerging concern. Current Opinion in Green and Sustainable Chemistry, 2021, 29, 100458.	5.9	39
23	Carbon-based cathodes degradation during electro-Fenton treatment at pilot scale: Changes in H2O2 electrogeneration. Chemosphere, 2021, 275, 129962.	8.2	29
24	UV-C Peroxymonosulfate Activation for Wastewater Regeneration: Simultaneous Inactivation of Pathogens and Degradation of Contaminants of Emerging Concern. Molecules, 2021, 26, 4890.	3.8	20
25	Solar photo-assisted electrochemical processes applied to actual industrial and urban wastewaters: A practical approach based on recent literature. Chemosphere, 2021, 279, 130560.	8.2	12
26	Sunlight advanced oxidation processes vs ozonation for wastewater disinfection and safe reclamation. Science of the Total Environment, 2021, 787, 147531.	8.0	25
27	Solar processes and ozonation for fresh-cut wastewater reclamation and reuse: Assessment of chemical, microbiological and chlorosis risks of raw-eaten crops. Water Research, 2021, 203, 117532.	11.3	5
28	Direct oxidation of peroxymonosulfate under natural solar radiation: Accelerating the simultaneous removal of organic contaminants and pathogens from water. Chemosphere, 2021, 279, 130555.	8.2	32
29	Contribution of temperature and photon absorption on solar photo-Fenton mediated by Fe3+-NTA for CEC removal in municipal wastewater. Applied Catalysis B: Environmental, 2021, 294, 120251.	20.2	24
30	A Rational Analysis on Key Parameters Ruling Zerovalent Iron-Based Treatment Trains: Towards the Separation of Reductive from Oxidative Phases. Nanomaterials, 2021, 11, 2948.	4.1	6
31	New approaches to solar Advanced Oxidation Processes for elimination of priority substances based on electrooxidation and ozonation at pilot plant scale. Catalysis Today, 2020, 355, 844-850.	4.4	20
32	Advanced evaluation of landfill leachate treatments by low and high-resolution mass spectrometry focusing on microcontaminant removal. Journal of Hazardous Materials, 2020, 384, 121372.	12.4	24
33	Advanced treatment of urban wastewater by UV-C/free chlorine process: Micro-pollutants removal and effect of UV-C radiation on trihalomethanes formation. Water Research, 2020, 169, 115220.	11.3	46
34	The influence of location on solar photo-Fenton: Process performance, photoreactor scaling-up and treatment cost. Renewable Energy, 2020, 145, 1890-1900.	8.9	32
35	Synthetic fresh-cut wastewater disinfection and decontamination by ozonation at pilot scale. Water Research, 2020, 170, 115304.	11.3	27
36	New trend on open solar photoreactors to treat micropollutants by photo-Fenton at circumneutral pH: Increasing optical pathway. Chemical Engineering Journal, 2020, 385, 123982.	12.7	49

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37	Electro-oxidation process assisted by solar energy for the treatment of wastewater with high salinity. Science of the Total Environment, 2020, 705, 135831.	8.0	20
38	Fresh-cut wastewater reclamation: Techno-Economical assessment of solar driven processes at pilot plant scale. Applied Catalysis B: Environmental, 2020, 278, 119334.	20.2	18
39	Advanced Oxidation Processes as sustainable technologies for the reduction of elderberry agro-industrial water impact. Water Resources and Industry, 2020, 24, 100137.	3.9	15
40	Removal and Degradation of Pharmaceutically Active Compounds (PhACs) in Wastewaters by Solar Advanced Oxidation Processes. Handbook of Environmental Chemistry, 2020, , 299-326.	0.4	2
41	Assessment of a pilot solar V-trough reactor for solar water disinfection. Chemical Engineering Journal, 2020, 399, 125719.	12.7	25
42	UVC-based advanced oxidation processes for simultaneous removal of microcontaminants and pathogens from simulated municipal wastewater at pilot plant scale. Environmental Science: Water Research and Technology, 2020, 6, 2553-2566.	2.4	22
43	Olive mill wastewater reuse to enable solar photo-Fenton-like processes for the elimination of priority substances in municipal wastewater treatment plant effluents. Environmental Science and Pollution Research, 2020, 27, 38148-38154.	5.3	6
44	Modeling persulfate activation by iron and heat for the removal of contaminants of emerging concern using carbamazepine as model pollutant. Chemical Engineering Journal, 2020, 389, 124445.	12.7	11
45	Monitoring photolysis and (solar photo)-Fenton of enrofloxacin by a methodology involving EEM-PARAFAC and bioassays: Role of pH and water matrix. Science of the Total Environment, 2020, 719, 137331.	8.0	30
46	Inactivation of E. coli and E. faecalis by solar photo-Fenton with EDDS complex at neutral pH in municipal wastewater effluents. Journal of Hazardous Materials, 2019, 372, 85-93.	12.4	48
47	Contaminants of emerging concern removal from real wastewater by UV/free chlorine process: A comparison with solar/free chlorine and UV/H2O2 at pilot scale. Chemosphere, 2019, 236, 124354.	8.2	43
48	Microbiological evaluation of combined advanced chemical-biological oxidation technologies for the treatment of cork boiling wastewater. Science of the Total Environment, 2019, 687, 567-576.	8.0	13
49	Commercial fertilizer as effective iron chelate (Fe3+-EDDHA) for wastewater disinfection under natural sunlight for reusing in irrigation. Applied Catalysis B: Environmental, 2019, 253, 286-292.	20.2	20
50	Oxidation mechanisms of amoxicillin and paracetamol in the photo-Fenton solar process. Water Research, 2019, 156, 232-240.	11.3	96
51	Degradation of antibiotic trimethoprim by the combined action of sunlight, TiO2 and persulfate: A pilot plant study. Catalysis Today, 2019, 328, 216-222.	4.4	37
52	Improved landfill leachate quality using ozone, UV solar radiation, hydrogen peroxide, persulfate and adsorption processes. Journal of Environmental Management, 2019, 232, 45-51.	7.8	50
53	Natural chelating agents from olive mill wastewater to enable photo-Fenton-like reactions at natural pH. Catalysis Today, 2019, 328, 281-285.	4.4	24
54	Optimization of electrocatalytic H2O2 production at pilot plant scale for solar-assisted water treatment. Applied Catalysis B: Environmental, 2019, 242, 327-336.	20.2	83

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55	Photo-Fenton treatment of saccharin in a solar pilot compound parabolic collector: Use of olive mill wastewater as iron chelating agent, preliminary results. Journal of Hazardous Materials, 2019, 372, 137-144.	12.4	29
56	EDDS as complexing agent for enhancing solar advanced oxidation processes in natural water: Effect of iron species and different oxidants. Journal of Hazardous Materials, 2019, 372, 129-136.	12.4	58
57	Application of a multivariate analysis method for non-target screening detection of persistent transformation products during the cork boiling wastewater treatment. Science of the Total Environment, 2018, 633, 508-517.	8.0	9
58	Practical approach to the evaluation of industrial wastewater treatment by the application of advanced microbiological techniques. Ecotoxicology and Environmental Safety, 2018, 166, 123-131.	6.0	16
59	Monitoring and Removal of Organic Micro-contaminants by Combining Membrane Technologies with Advanced Oxidation Processes. Current Organic Chemistry, 2018, 22, 1103-1119.	1.6	12
60	Combination of nanofiltration and ozonation for the remediation of real municipal wastewater effluents: Acute and chronic toxicity assessment. Journal of Hazardous Materials, 2017, 323, 442-451.	12.4	79
61	Strategies for reducing cost by using solar photo-Fenton treatment combined with nanofiltration to remove microcontaminants in real municipal effluents: Toxicity and economic assessment. Chemical Engineering Journal, 2017, 318, 161-170.	12.7	75
62	Microcontaminant removal in secondary effluents by solar photo-Fenton at circumneutral pH in raceway pond reactors. Catalysis Today, 2017, 287, 10-14.	4.4	49
63	Overview on Pilot-Scale Treatments and New and Innovative Technologies for Hospital Effluent. Handbook of Environmental Chemistry, 2017, , 209-230.	0.4	10
64	Cost estimation of COD and color removal from landfill leachate using combined coffee-waste based activated carbon with advanced oxidation processes. Journal of Environmental Chemical Engineering, 2017, 5, 114-121.	6.7	56
65	Elimination of organic micro-contaminants in municipal wastewater by a combined immobilized biomass reactor and solar photo-Fenton tertiary treatment. Journal of Advanced Oxidation Technologies, 2017, 20, .	0.5	2
66	Determination of pesticides in sewage sludge from an agro-food industry using QuEChERS extraction followed by analysis with liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2017, 409, 6181-6193.	3.7	37
67	Development of TiO2-C photocatalysts for solar treatment of polluted water. Carbon, 2017, 122, 361-373.	10.3	68
68	Cork boiling wastewater treatment and reuse through combination of advanced oxidation technologies. Environmental Science and Pollution Research, 2017, 24, 6317-6328.	5.3	19
69	Comparison of UV/H 2 O 2 , UV/S 2 O 8 2â˜ , solar/Fe(II)/H 2 O 2 and solar/Fe(II)/S 2 O 8 2â˜ at pilot plant scale for the elimination of micro-contaminants in natural water: An economic assessment. Chemical Engineering Journal, 2017, 310, 514-524.	12.7	67
70	Enhancement of the Fenton and photo-Fenton processes by components found in wastewater from the industrial processing of natural products: The possibilities of cork boiling wastewater reuse. Chemical Engineering Journal, 2016, 304, 890-896.	12.7	43
71	Pilot-plant evaluation of TiO2 and TiO2-based hybrid photocatalysts for solar treatment of polluted water. Journal of Hazardous Materials, 2016, 320, 469-478.	12.4	58
72	Is the combination of nanofiltration membranes and AOPs for removing microcontaminants cost effective in real municipal wastewater effluents?. Environmental Science: Water Research and Technology, 2016, 2, 511-520.	2.4	40

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73	Decontamination and disinfection of water by solar photocatalysis: The pilot plants of the Plataforma Solar de Almeria. Materials Science in Semiconductor Processing, 2016, 42, 15-23.	4.0	152
74	CHAPTER 6. Process Integration. Concepts of Integration and Coupling of Photocatalysis with Other Processes. RSC Energy and Environment Series, 2016, , 157-173.	0.5	2
75	Mature landfill leachate treatment by coagulation/flocculation combined with Fenton and solar photo-Fenton processes. Journal of Hazardous Materials, 2015, 286, 261-268.	12.4	239
76	Microcontaminant degradation in municipal wastewater treatment plant secondary effluent by EDDS assisted photo-Fenton at near-neutral pH: An experimental design approach. Catalysis Today, 2015, 252, 61-69.	4.4	41
77	Removal of microcontaminants from MWTP effluents by combination of membrane technologies and solar photo-Fenton at neutral pH. Catalysis Today, 2015, 252, 78-83.	4.4	30
78	Remediation of agro-food industry effluents by biotreatment combined with supported TiO2/H2O2 solar photocatalysis. Chemical Engineering Journal, 2015, 273, 205-213.	12.7	55
79	Detailed treatment line for a specific landfill leachate remediation. Brief economic assessment. Chemical Engineering Journal, 2015, 261, 60-66.	12.7	39
80	Application of solar photo-Fenton at circumneutral pH to nanofiltration concentrates for removal of pharmaceuticals in MWTP effluents. Environmental Science and Pollution Research, 2015, 22, 846-855.	5.3	24
81	Advanced Technologies for Emerging Contaminants Removal in Urban Wastewater. Handbook of Environmental Chemistry, 2014, , 145-169.	0.4	4
82	Treatment of pulp mill wastewater by Cryptococcus podzolicus and solar photo-Fenton: A case study. Chemical Engineering Journal, 2014, 245, 158-165.	12.7	54
83	Removal of pharmaceuticals at microg Lâ¯1 by combined nanofiltration and mild solar photo-Fenton. Chemical Engineering Journal, 2014, 239, 68-74.	12.7	47
84	Pharmaceuticals removal from natural water by nanofiltration combined with advanced tertiary treatments (solar photo-Fenton, photo-Fenton-like Fe(III)â€“EDDS complex and ozonation). Separation and Purification Technology, 2014, 122, 515-522.	7.9	84
85	Assessment of solar photo-Fenton, photocatalysis, and H2O2 for removal of phytopathogen fungi spores in synthetic and real effluents of urban wastewater. Chemical Engineering Journal, 2014, 257, 122-130.	12.7	49
86	Removal of pharmaceuticals from MWTP effluent by nanofiltration and solar photo-Fenton using two different iron complexes at neutral pH. Water Research, 2014, 64, 23-31.	11.3	131
87	Dynamic modelling for cork boiling wastewater treatment at pilot plant scale. Environmental Science and Pollution Research, 2014, 21, 12182-12189.	5.3	5
88	Influence of iron leaching and oxidizing agent employed on solar photodegradation of phenol over nanostructured iron-doped titania catalysts. Applied Catalysis B: Environmental, 2014, 144, 269-276.	20.2	34
89	Solar Photocatalytic Processes: Water Decontamination and Disinfection. , 2013, , 371-393.		3
90	Application of solar AOPs and ozonation for elimination of micropollutants in municipal wastewater treatment plant effluents. Water Research, 2013, 47, 1521-1528.	11.3	254

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91	Cork boiling wastewater treatment at pilot plant scale: Comparison of solar photo-Fenton and ozone (O3, O3/H2O2). Toxicity and biodegradability assessment. Chemical Engineering Journal, 2013, 234, 232-239.	12.7	47
92	Benefits of photo-Fenton at low concentrations for solar disinfection of distilled water. A case study: Phytophthora capsici. Catalysis Today, 2013, 209, 181-187.	4.4	39
93	Solar photo-Fenton optimization for the treatment of MWTP effluents containing emerging contaminants. Catalysis Today, 2013, 209, 188-194.	4.4	42
94	Fe-zeolites as heterogeneous catalysts in solar Fenton-like reactions at neutral pH. Applied Catalysis B: Environmental, 2012, 125, 51-58.	20.2	141
95	Removal of Pesticides from Water and Wastewater by Solar-Driven Photocatalysis. Springer Briefs in Molecular Science, 2012, , 59-76.	0.1	3
96	Optimization of mild solar TiO2 photocatalysis as a tertiary treatment for municipal wastewater treatment plant effluents. Applied Catalysis B: Environmental, 2012, 128, 119-125.	20.2	29
97	Optimal performance assessment for a photo-Fenton degradation pilot plant driven by solar energy using artificial neural networks. International Journal of Energy Research, 2012, 36, 1314-1324.	4.5	7
98	Solar photocatalytic treatment of landfill leachate using a solid mineral by-product as a catalyst. Chemosphere, 2012, 88, 1090-1096.	8.2	18
99	Mild solar photo-Fenton: An effective tool for the removal of Fusarium from simulated municipal effluents. Applied Catalysis B: Environmental, 2012, 111-112, 545-554.	20.2	66
100	Bacteria and fungi inactivation using Fe3+/sunlight, H2O2/sunlight and near neutral photo-Fenton: A comparative study. Applied Catalysis B: Environmental, 2012, 121-122, 20-29.	20.2	115
101	Treatment of emerging contaminants in wastewater treatment plants (WWTP) effluents by solar photocatalysis using low TiO2 concentrations. Journal of Hazardous Materials, 2012, 211-212, 131-137.	12.4	199
102	Solar disinfection of fungal spores in water aided by low concentrations of hydrogen peroxide. Photochemical and Photobiological Sciences, 2011, 10, 381-388.	2.9	54
103	Photolytic and photocatalytic transformation of methadone in aqueous solutions under solar irradiation: Kinetics, characterization of major intermediate products and toxicity evaluation. Water Research, 2011, 45, 4815-4826.	11.3	26
104	Combination of Advanced Oxidation Processes and biological treatments for wastewater decontaminationâ€"A review. Science of the Total Environment, 2011, 409, 4141-4166.	8.0	1,946
105	Solar light assisted photodegradation of phenol with hydrogen peroxide over iron-doped titania catalysts: Role of iron leached/readsorbed species. Applied Catalysis B: Environmental, 2011, 108-109, 168-176.	20.2	17
106	Hydrogen peroxide automatic dosing based on dissolved oxygen concentration during solar photo-Fenton. Catalysis Today, 2011, 161, 247-254.	4.4	34
107	Solar photo-Fenton degradation of herbicides partially dissolved in water. Catalysis Today, 2011, 161, 214-220.	4.4	38
108	Comparison of several combined/integrated biological-AOPs setups for the treatment of municipal landfill leachate: Minimization of operating costs and effluent toxicity. Chemical Engineering Journal, 2011, 172, 250-257.	12.7	110

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109	Solar transformation and photocatalytic treatment of cocaine in water: Kinetics, characterization of major intermediate products and toxicity evaluation. Applied Catalysis B: Environmental, 2011, 104, 37-48.	20.2	39
110	Dissolved oxygen concentration: A key parameter in monitoring the photo-Fenton process. Applied Catalysis B: Environmental, 2011, 104, 316-323.	20.2	53
111	Decontamination of industrial wastewater containing pesticides by combining large-scale homogeneous solar photocatalysis and biological treatment. Chemical Engineering Journal, 2010, 160, 447-456.	12.7	77
112	Resistance of Fusarium sp spores to solar TiO₂ photocatalysis: influence of spore type and water (scalingâ€up results). Journal of Chemical Technology and Biotechnology, 2010, 85, 1038-1048.	3.2	45
113	Evaluation of operating parameters involved in solar photo-Fenton treatment of wastewater: Interdependence of initial pollutant concentration, temperature and iron concentration. Applied Catalysis B: Environmental, 2010, 97, 292-298.	20.2	65
114	Scale-up strategy for a combined solar photo-Fenton/biological system for remediation of pesticide-contaminated water. Catalysis Today, 2010, 151, 100-106.	4.4	57
115	A comparative study of different tests for biodegradability enhancement determination during AOP treatment of recalcitrant toxic aqueous solutions. Ecotoxicology and Environmental Safety, 2010, 73, 1189-1195.	6.0	42
116	Confirming Pseudomonas putida as a reliable bioassay for demonstrating biocompatibility enhancement by solar photo-oxidative processes of a biorecalcitrant effluent. Journal of Hazardous Materials, 2009, 162, 1223-1227.	12.4	14
117	Evaluation of operational parameters involved in solar photo-Fenton degradation of a commercial pesticide mixture. Catalysis Today, 2009, 144, 94-99.	4.4	90
118	Decontamination industrial pharmaceutical wastewater by combining solar photo-Fenton and biological treatment. Water Research, 2009, 43, 661-668.	11.3	243
119	A reliable monitoring of the biocompatibility of an effluent along an oxidative pre-treatment by sequential bioassays and chemical analyses. Water Research, 2009, 43, 784-792.	11.3	51
120	Degradation of a four-pesticide mixture by combined photo-Fenton and biological oxidation. Water Research, 2009, 43, 653-660.	11.3	133
121	Solar treatment of cork boiling and bleaching wastewaters in a pilot plant. Water Research, 2009, 43, 4050-4062.	11.3	49
122	Solar Photo-Fenton as Finishing Step for Biological Treatment of a Pharmaceutical Wastewater. Environmental Science & Technology, 2009, 43, 1185-1191.	10.0	66
123	Pilot plant scale reactive dyes degradation by solar photo-Fenton and biological processes. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 195, 205-214.	3.9	93
124	Degradation of alachlor and pyrimethanil by combined photo-Fenton and biological oxidation. Journal of Hazardous Materials, 2008, 155, 342-349.	12.4	73
125	Evaluating MicrotoxÂ© as a tool for biodegradability assessment of partially treated solutions of pesticides using Fe3+ and TiO2 solar photo-assisted processes. Ecotoxicology and Environmental Safety, 2008, 69, 546-555.	6.0	43
126	Combined photo-Fenton and biological oxidation for pesticide degradation: Effect of photo-treated intermediates on biodegradation kinetics. Chemosphere, 2008, 70, 1476-1483.	8.2	40

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127	Coupled solar photo-Fenton and biological treatment for the degradation of diuron and linuron herbicides at pilot scale. Chemosphere, 2008, 72, 622-629.	8.2	38
128	Degradation Pathways of the Commercial Reactive Azo Dye Procion Red H-E7B under Solar-Assisted Photo-Fenton Reaction. Environmental Science & Technology, 2008, 42, 6663-6670.	10.0	46
129	Comparison of Photo-Fenton Treatment and Coupled Photo-Fenton and Biological Treatment for Detoxification of Pharmaceutical Industry Contaminants. Journal of Advanced Oxidation Technologies, 2008, 11, .	0.5	2
130	Advanced oxidation processâ€“biological system for wastewater containing a recalcitrant pollutant. Water Science and Technology, 2007, 55, 229-235.	2.5	8
131	Increased biodegradability of UltracidTM in aqueous solutions with solar TiO2 photocatalysis. Chemosphere, 2007, 68, 293-300.	8.2	33
132	Pre-industrial-scale Combined Solar Photo-Fenton and Immobilized Biomass Activated-Sludge Biotreatment. Industrial & Engineering Chemistry Research, 2007, 46, 7467-7475.	3.7	38
133	Photocatalytic degradation of EU priority substances: A comparison between TiO2 and Fenton plus photo-Fenton in a solar pilot plant. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 185, 354-363.	3.9	90
134	Coupling solar photo-Fenton and biotreatment at industrial scale: Main results of a demonstration plant. Journal of Hazardous Materials, 2007, 146, 440-446.	12.4	50
135	Solar heterogeneous and homogeneous photocatalysis as a pre-treatment option for biotreatment. Research on Chemical Intermediates, 2007, 33, 407-420.	2.7	20
136	A combined solar photocatalytic-biological field system for the mineralization of an industrial pollutant at pilot scale. Catalysis Today, 2007, 122, 150-159.	4.4	67
137	Detoxification of wastewater containing five common pesticides by solar AOPsâ€“biological coupled system. Catalysis Today, 2007, 129, 69-78.	4.4	101
138	Simultaneous Determination of Oxygen Consumption Rate and Volumetric Oxygen Transfer Coefficient in Pneumatically Agitated Bioreactors. Industrial & Engineering Chemistry Research, 2006, 45, 1167-1171.	3.7	38
139	Enhancing biodegradability of priority substances (pesticides) by solar photo-Fenton. Water Research, 2006, 40, 1086-1094.	11.3	120
140	Partial degradation of five pesticides and an industrial pollutant by ozonation in a pilot-plant scale reactor. Journal of Hazardous Materials, 2006, 138, 363-369.	12.4	132
141	Solar photocatalytic degradation of some hazardous water-soluble pesticides at pilot-plant scale. Journal of Hazardous Materials, 2006, 138, 507-517.	12.4	170
142	Detoxification of aqueous solutions of the pesticide â€œSevnolâ€•by solar photocatalysis. Environmental Chemistry Letters, 2006, 3, 169-172.	16.2	21
143	Degradation of pesticides in water using solar advanced oxidation processes. Applied Catalysis B: Environmental, 2006, 64, 272-281.	20.2	130
144	Solar photocatalytic degradation and detoxification of EU priority substances. Catalysis Today, 2005, 101, 203-210.	4.4	135

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145	Photocatalytic treatment of dimethoate by solar photocatalysis at pilot plant scale. Environmental Chemistry Letters, 2005, 3, 118-121.	16.2	25
146	Treatment of chlorinated solvents by TiO2 photocatalysis and photo-Fenton: influence of operating conditions in a solar pilot plant. Chemosphere, 2005, 58, 391-398.	8.2	48
147	A novel TiO2-assisted solar photocatalytic batch-process disinfection reactor for the treatment of biological and chemical contaminants in domestic drinking water in developing countries. Solar Energy, 2004, 77, 649-655.	6.1	80
148	Solar disinfection of contaminated water: a comparison of three small-scale reactors. Solar Energy, 2004, 77, 657-664.	6.1	59