Isabel Oller Alberola

List of Publications by Year in Descending Order

148 papers	7,086 citations	42 h-index	81 g-index
152 ext. papers	7,899 ext. citations	9.9 avg, IF	6.26 L-index

#	Paper	IF	Citations
148	Recent advances in solar photochemical processes for water and wastewater disinfection. *Chemical Engineering Journal Advances*, **2022**, 10, 100248	3.6	1
147	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	10.2	0
146	Valorization of UWWTP effluents for ammonium recovery and MC elimination by advanced AOPs.. *Science of the Total Environment*, **2022**, 823, 153693	10.2	1
145	Evaluation of commercial zerovalent iron sources in combination with solar energy to remove microcontaminants from natural water at circumneutral pH. *Chemosphere*, **2022**, 286, 131557	8.4	1
144	Solar Detoxification and Disinfection of Water **2022**, 453-480		
143	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	6.8	1
142	Sulfate Radical Anion: Laser Flash Photolysis Study and Application in Water Disinfection and Decontamination. *Applied Catalysis B: Environmental*, **2022**, 121519	21.8	0
141	Assessment of a Novel Photocatalytic TiO2-Zirconia Ultrafiltration Membrane and Combination with Solar Photo-Fenton Tertiary Treatment of Urban Wastewater. *Catalysts*, **2022**, 12, 552	4	1
140	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**, 135017	8.4	0
139	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*, **2021**, 431, 133474	14.7	4
138	Solar-driven free chlorine advanced oxidation process for simultaneous removal of microcontaminants and microorganisms in natural water at pilot-scale. *Chemosphere*, **2021**, 288, 132493	8.4	2
137	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	10.2	11
136	Photo-Fenton applied to the removal of pharmaceutical and other pollutants of emerging concern. *Current Opinion in Green and Sustainable Chemistry*, **2021**, 29, 100458	7.9	15
135	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	5.5	12
134	Nanofiltration retentate treatment from urban wastewater secondary effluent by solar electrochemical oxidation processes. *Separation and Purification Technology*, **2021**, 254, 117614	8.3	10
133	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	10.2	10
132	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	6.8	5

131	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	6.8	6
130	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	10.2	9
129	Magnetic Photocatalyst for Wastewater Tertiary Treatment at Pilot Plant Scale: Disinfection and Enrofloxacin Abatement. *Water (Switzerland)*, **2021**, 13, 329	3	5
128	Fluorescence Spectroscopy and Chemometrics: A Simple and Easy Way for the Monitoring of Fluoroquinolone Mixture Degradation. *ACS Omega*, **2021**, 6, 4663-4671	3.9	4
127	Carbon-based cathodes degradation during electro-Fenton treatment at pilot scale: Changes in HO electrogeneration. *Chemosphere*, **2021**, 275, 129962	8.4	4
126	UV-C Peroxymonosulfate Activation for Wastewater Regeneration: Simultaneous Inactivation of Pathogens and Degradation of Contaminants of Emerging Concern. *Molecules*, **2021**, 26,	4.8	2
125	Solar photo-assisted electrochemical processes applied to actual industrial and urban wastewaters: A practical approach based on recent literature. *Chemosphere*, **2021**, 279, 130560	8.4	5
124	Sunlight advanced oxidation processes vs ozonation for wastewater disinfection and safe reclamation. *Science of the Total Environment*, **2021**, 787, 147531	10.2	6
123	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	12.5	3
122	Direct oxidation of peroxymonosulfate under natural solar radiation: Accelerating the simultaneous removal of organic contaminants and pathogens from water. *Chemosphere*, **2021**, 279, 130555	8.4	6
121	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	21.8	5
120	Assessment of a pilot solar V-trough reactor for solar water disinfection. *Chemical Engineering Journal*, **2020**, 399, 125719	14.7	14
119	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	4.2	15
118	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	5.1	3
117	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	14.7	6
116	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	10.2	21
115	Synthetic fresh-cut wastewater disinfection and decontamination by ozonation at pilot scale. *Water Research*, **2020**, 170, 115304	12.5	22
114	New trend on open solar photoreactors to treat micropollutants by photo-Fenton at circumneutral pH: Increasing optical pathway. *Chemical Engineering Journal*, **2020**, 385, 123982	14.7	30

113	Electro-oxidation process assisted by solar energy for the treatment of wastewater with high salinity. *Science of the Total Environment*, **2020**, 705, 135831	10.2	13
112	Fresh-cut wastewater reclamation: Techno-Economical assessment of solar driven processes at pilot plant scale. *Applied Catalysis B: Environmental*, **2020**, 278, 119334	21.8	10
111	Advanced Oxidation Processes as sustainable technologies for the reduction of elderberry agro-industrial water impact. *Water Resources and Industry*, **2020**, 24, 100137	4.5	9
110	Removal and Degradation of Pharmaceutically Active Compounds (PhACs) in Wastewaters by Solar Advanced Oxidation Processes. *Handbook of Environmental Chemistry*, **2020**, 299-326	0.8	
109	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	5.3	13
108	Advanced evaluation of landfill leachate treatments by low and high-resolution mass spectrometry focusing on microcontaminant removal. *Journal of Hazardous Materials*, **2020**, 384, 121372	12.8	11
107	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	12.5	30
106	The influence of location on solar photo-Fenton: Process performance, photoreactor scaling-up and treatment cost. *Renewable Energy*, **2020**, 145, 1890-1900	8.1	22
105	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	10.2	12
104	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	21.8	16
103	Oxidation mechanisms of amoxicillin and paracetamol in the photo-Fenton solar process. *Water Research*, **2019**, 156, 232-240	12.5	58
102	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	12.8	33
101	Contaminants of emerging concern removal from real wastewater by UV/free chlorine process: A comparison with solar/free chlorine and UV/HO at pilot scale. *Chemosphere*, **2019**, 236, 124354	8.4	28
100	Degradation of antibiotic trimethoprim by the combined action of sunlight, TiO2 and persulfate: A pilot plant study. *Catalysis Today*, **2019**, 328, 216-222	5.3	21
99	Improved landfill leachate quality using ozone, UV solar radiation, hydrogen peroxide, persulfate and adsorption processes. *Journal of Environmental Management*, **2019**, 232, 45-51	7.9	35
98	Natural chelating agents from olive mill wastewater to enable photo-Fenton-like reactions at natural pH. *Catalysis Today*, **2019**, 328, 281-285	5.3	14
97	Optimization of electrocatalytic H2O2 production at pilot plant scale for solar-assisted water treatment. *Applied Catalysis B: Environmental*, **2019**, 242, 327-336	21.8	58
96	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	12.8	22

95	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	12.8	36
94	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	10.2	9
93	Monitoring and Removal of Organic Micro-contaminants by Combining Membrane Technologies with Advanced Oxidation Processes. *Current Organic Chemistry*, **2018**, 22, 1103-1119	1.7	9
92	Practical approach to the evaluation of industrial wastewater treatment by the application of advanced microbiological techniques. *Ecotoxicology and Environmental Safety*, **2018**, 166, 123-131	7	13
91	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	12.8	61
90	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	14.7	66
89	Microcontaminant removal in secondary effluents by solar photo-Fenton at circumneutral pH in raceway pond reactors. *Catalysis Today*, **2017**, 287, 10-14	5.3	37
88	Overview on Pilot-Scale Treatments and New and Innovative Technologies for Hospital Effluent. *Handbook of Environmental Chemistry*, **2017**, 209-230	0.8	8
87	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	6.8	39
86	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,		1
85	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	4.4	25
84	Development of TiO2-C photocatalysts for solar treatment of polluted water. *Carbon*, **2017**, 122, 361-373	10.4	51
83	Cork boiling wastewater treatment and reuse through combination of advanced oxidation technologies. *Environmental Science and Pollution Research*, **2017**, 24, 6317-6328	5.1	14
82	Comparison of UV/H 2 O 2 , UV/S 2 O 8 2□ solar/Fe(II)/H 2 O 2 and solar/Fe(II)/S 2 O 8 2□at pilot plant scale for the elimination of micro-contaminants in natural water: An economic assessment. *Chemical Engineering Journal*, **2017**, 310, 514-524	14.7	61
81	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	4.3	117
80	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	4.2	34
79	CHAPTER 6:Process Integration. Concepts of Integration and Coupling of Photocatalysis with Other Processes. *RSC Energy and Environment Series*, **2016**, 157-173	0.6	2
78	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	14.7	37

77	Pilot-plant evaluation of TiO and TiO-based hybrid photocatalysts for solar treatment of polluted water. *Journal of Hazardous Materials*, **2016**, 320, 469-478	12.8	38
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	5.3	37
75	Removal of microcontaminants from MWTP effluents by combination of membrane technologies and solar photo-Fenton at neutral pH. *Catalysis Today*, **2015**, 252, 78-83	5.3	23
74	Remediation of agro-food industry effluents by biotreatment combined with supported TiO2/H2O2 solar photocatalysis. *Chemical Engineering Journal*, **2015**, 273, 205-213	14.7	42
73	Detailed treatment line for a specific landfill leachate remediation. Brief economic assessment. *Chemical Engineering Journal*, **2015**, 261, 60-66	14.7	33
72	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, 846-55	5.1	20
71	Mature landfill leachate treatment by coagulation/flocculation combined with Fenton and solar photo-Fenton processes. *Journal of Hazardous Materials*, **2015**, 286, 261-8	12.8	181
70	Treatment of pulp mill wastewater by Cryptococcus podzolicus and solar photo-Fenton: A case study. *Chemical Engineering Journal*, **2014**, 245, 158-165	14.7	40
69	Removal of pharmaceuticals at microg L□ by combined nanofiltration and mild solar photo-Fenton. *Chemical Engineering Journal*, **2014**, 239, 68-74	14.7	40
68	Pharmaceuticals removal from natural water by nanofiltration combined with advanced tertiary treatments (solar photo-Fenton, photo-Fenton-like Fe(III)□EDDS complex and ozonation). *Separation and Purification Technology*, **2014**, 122, 515-522	8.3	71
67	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	14.7	39
66	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	12.5	109
65	Dynamic modelling for cork boiling wastewater treatment at pilot plant scale. *Environmental Science and Pollution Research*, **2014**, 21, 12182-9	5.1	5
64	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	21.8	25
63	Approaches to Water and Wastewater Treatment for Removal of Emerging Contaminants: Ongoing Research and Recommendations for Future Work **2014**, 161-178		1
62	Advanced Technologies for Emerging Contaminants Removal in Urban Wastewater. *Handbook of Environmental Chemistry*, **2014**, 145-169	0.8	3
61	Solar Photocatalytic Processes: Water Decontamination and Disinfection **2013**, 371-393		2
60	Application of solar AOPs and ozonation for elimination of micropollutants in municipal wastewater treatment plant effluents. *Water Research*, **2013**, 47, 1521-8	12.5	213

59	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	14.7	41
58	Benefits of photo-Fenton at low concentrations for solar disinfection of distilled water. A case study: Phytophthora capsici. *Catalysis Today*, **2013**, 209, 181-187	5.3	35
57	Solar photo-Fenton optimization for the treatment of MWTP effluents containing emerging contaminants. *Catalysis Today*, **2013**, 209, 188-194	5.3	36
56	Solar Photocatalytic Pilot Plants: Commercially Available Reactors **2013**, 377-397		3
55	Treatment of emerging contaminants in wastewater treatment plants (WWTP) effluents by solar photocatalysis using low TiO2 concentrations. *Journal of Hazardous Materials*, **2012**, 211-212, 131-7	12.8	168
54	Fe-zeolites as heterogeneous catalysts in solar Fenton-like reactions at neutral pH. *Applied Catalysis B: Environmental*, **2012**, 125, 51-58	21.8	121
53	Removal of Pesticides from Water and Wastewater by Solar-Driven Photocatalysis. *Springer Briefs in Molecular Science*, **2012**, 59-76	0.6	2
52	Optimization of mild solar TiO2 photocatalysis as a tertiary treatment for municipal wastewater treatment plant effluents. *Applied Catalysis B: Environmental*, **2012**, 128, 119-125	21.8	26
51	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	6
50	Solar photocatalytic treatment of landfill leachate using a solid mineral by-product as a catalyst. *Chemosphere*, **2012**, 88, 1090-6	8.4	13
49	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	21.8	55
48	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	21.8	102
47	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, 4815-26	12.5	24
46	Combination of Advanced Oxidation Processes and biological treatments for wastewater decontamination--a review. *Science of the Total Environment*, **2011**, 409, 4141-66	10.2	1629
45	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	21.8	15
44	Hydrogen peroxide automatic dosing based on dissolved oxygen concentration during solar photo-Fenton. *Catalysis Today*, **2011**, 161, 247-254	5.3	30
43	Solar photo-Fenton degradation of herbicides partially dissolved in water. *Catalysis Today*, **2011**, 161, 214-220	5.3	35
42	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	14.7	96

41	Solar disinfection of fungal spores in water aided by low concentrations of hydrogen peroxide. *Photochemical and Photobiological Sciences*, **2011**, 10, 381-8	4.2	47
40	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	21.8	36
39	Dissolved oxygen concentration: A key parameter in monitoring the photo-Fenton process. *Applied Catalysis B: Environmental*, **2011**, 104, 316-323	21.8	45
38	A comparative study of different tests for biodegradability enhancement determination during AOP treatment of recalcitrant toxic aqueous solutions. *Ecotoxicology and Environmental Safety*, **2010**, 73, 1189-95	7	35
37	Decontamination of industrial wastewater containing pesticides by combining large-scale homogeneous solar photocatalysis and biological treatment. *Chemical Engineering Journal*, **2010**, 160, 447-456	14.7	65
36	Resistance of Fusarium sp spores to solar TiO2 photocatalysis: influence of spore type and water (scaling-up results). *Journal of Chemical Technology and Biotechnology*, **2010**, 85, 1038-1048	3.5	38
35	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	21.8	55
34	Scale-up strategy for a combined solar photo-Fenton/biological system for remediation of pesticide-contaminated water. *Catalysis Today*, **2010**, 151, 100-106	5.3	51
33	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, 1223-7	12.8	12
32	Evaluation of operational parameters involved in solar photo-Fenton degradation of a commercial pesticide mixture. *Catalysis Today*, **2009**, 144, 94-99	5.3	83
31	Decontamination industrial pharmaceutical wastewater by combining solar photo-Fenton and biological treatment. *Water Research*, **2009**, 43, 661-8	12.5	206
30	A reliable monitoring of the biocompatibility of an effluent along an oxidative pre-treatment by sequential bioassays and chemical analyses. *Water Research*, **2009**, 43, 784-92	12.5	48
29	Degradation of a four-pesticide mixture by combined photo-Fenton and biological oxidation. *Water Research*, **2009**, 43, 653-60	12.5	117
28	Solar treatment of cork boiling and bleaching wastewaters in a pilot plant. *Water Research*, **2009**, 43, 4050-62	12.5	38
27	Solar photo-Fenton as finishing step for biological treatment of a pharmaceutical wastewater. *Environmental Science & Technology*, **2009**, 43, 1185-91	10.3	57
26	Evaluating Microtox 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, 546-55	7	38
25	Combined photo-Fenton and biological oxidation for pesticide degradation: effect of photo-treated intermediates on biodegradation kinetics. *Chemosphere*, **2008**, 70, 1476-83	8.4	37
24	Coupled solar photo-Fenton and biological treatment for the degradation of diuron and linuron herbicides at pilot scale. *Chemosphere*, **2008**, 72, 622-9	8.4	33

23	Degradation pathways of the commercial reactive azo dye Procion Red H-E7B under solar-assisted photo-Fenton reaction. *Environmental Science & Technology*, **2008**, 42, 6663-70	10.3	43
22	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,		1
21	Pilot plant scale reactive dyes degradation by solar photo-Fenton and biological processes. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 195, 205-214	4.7	76
20	Degradation of alachlor and pyrimethanil by combined photo-Fenton and biological oxidation. *Journal of Hazardous Materials*, **2008**, 155, 342-9	12.8	63
19	Pre-industrial-scale Combined Solar Photo-Fenton and Immobilized Biomass Activated-Sludge Biotreatment. *Industrial & Engineering Chemistry Research*, **2007**, 46, 7467-7475	3.9	32
18	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	4.7	80
17	Coupling solar photo-Fenton and biotreatment at industrial scale: main results of a demonstration plant. *Journal of Hazardous Materials*, **2007**, 146, 440-6	12.8	45
16	Solar heterogeneous and homogeneous photocatalysis as a pre-treatment option for biotreatment. *Research on Chemical Intermediates*, **2007**, 33, 407-420	2.8	20
15	A combined solar photocatalytic-biological field system for the mineralization of an industrial pollutant at pilot scale. *Catalysis Today*, **2007**, 122, 150-159	5.3	63
14	Detoxification of wastewater containing five common pesticides by solar AOPs□Biological coupled system. *Catalysis Today*, **2007**, 129, 69-78	5.3	91
13	Advanced oxidation process-biological system for wastewater containing a recalcitrant pollutant. *Water Science and Technology*, **2007**, 55, 229-35	2.2	7
12	Increased biodegradability of Ultracid in aqueous solutions with solar TiO2 photocatalysis. *Chemosphere*, **2007**, 68, 293-300	8.4	32
11	Degradation of pesticides in water using solar advanced oxidation processes. *Applied Catalysis B: Environmental*, **2006**, 64, 272-281	21.8	114
10	Simultaneous Determination of Oxygen Consumption Rate and Volumetric Oxygen Transfer Coefficient in Pneumatically Agitated Bioreactors. *Industrial & Engineering Chemistry Research*, **2006**, 45, 1167-1171	3.9	34
9	Enhancing biodegradability of priority substances (pesticides) by solar photo-Fenton. *Water Research*, **2006**, 40, 1086-94	12.5	112
8	Partial degradation of five pesticides and an industrial pollutant by ozonation in a pilot-plant scale reactor. *Journal of Hazardous Materials*, **2006**, 138, 363-9	12.8	113
7	Solar photocatalytic degradation of some hazardous water-soluble pesticides at pilot-plant scale. *Journal of Hazardous Materials*, **2006**, 138, 507-17	12.8	157
6	Detoxification of aqueous solutions of the pesticide □evnol□by solar photocatalysis. *Environmental Chemistry Letters*, **2006**, 3, 169-172	13.3	18

5	Treatment of chlorinated solvents by TiO2 photocatalysis and photo-Fenton: influence of operating conditions in a solar pilot plant. *Chemosphere*, **2005**, 58, 391-8	8.4	43
4	Solar photocatalytic degradation and detoxification of EU priority substances. *Catalysis Today*, **2005** , 101, 203-210	5.3	123
3	Photocatalytic treatment of dimethoate by solar photocatalysis at pilot plant scale. *Environmental Chemistry Letters*, **2005**, 3, 118-121	13.3	23
2	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	6.8	75
1	Solar disinfection of contaminated water: a comparison of three small-scale reactors. *Solar Energy*, **2004**, 77, 657-664	6.8	54