M M Ballesteros MartÃ-n

List of Publications by Year
in descending order

27 papers	1,122 citations	471371 17 h-index	580701 25 g-index
27 all docs	27 docs citations	27 times ranked	1337 citing authors

#	Article	IF	Citations
1	Decomposition of diclofenac by solar driven photocatalysis at pilot plant scale. Catalysis Today, 2005, 101, 219-226.	2.2	138
2	Solar photocatalytic degradation and detoxification of EU priority substances. Catalysis Today, 2005, 101, 203-210.	2.2	135
3	Degradation of a four-pesticide mixture by combined photo-Fenton and biological oxidation. Water Research, 2009, 43, 653-660.	5.3	133
4	Degradation of alachlor and pyrimethanil by combined photo-Fenton and biological oxidation. Journal of Hazardous Materials, 2008, 155, 342-349.	6.5	73
5	Economic evaluation of the photo-Fenton process. Mineralization level and reaction time: The keys for increasing plant efficiency. Journal of Hazardous Materials, 2011, 186, 1924-1929.	6.5	64
6	Water disinfection using photo-Fenton: Effect of temperature on Enterococcus faecalis survival. Water Research, 2012, 46, 6154-6162.	5.3	63
7	Inactivation of natural enteric bacteria in real municipal wastewater by solar photo-Fenton at neutral pH. Water Research, 2014, 63, 316-324.	5.3	57
8	Effect of pesticide concentration on the degradation process by combined solar photo-Fenton and biological treatment. Water Research, 2009, 43, 3838-3848.	5.3	50
9	Solar photo-Fenton for water disinfection: An investigation of the competitive role of model organic matter for oxidative species. Applied Catalysis B: Environmental, 2014, 148-149, 484-489.	10.8	49
10	Principal parameters affecting virus inactivation by the solar photo-Fenton process at neutral pH and Î¼M concentrations of H2O2 and Fe2+/3+. Applied Catalysis B: Environmental, 2015, 174-175, 395-402.	10.8	45
11	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.	2.9	42
12	Combined photo-Fenton and biological oxidation for pesticide degradation: Effect of photo-treated intermediates on biodegradation kinetics. Chemosphere, 2008, 70, 1476-1483.	4.2	40
13	Inactivation of Enterococcus faecalis in simulated wastewater treatment plant effluent by solar photo-Fenton at initial neutral pH. Catalysis Today, 2013, 209, 195-200.	2.2	39
14	Simultaneous Determination of Oxygen Consumption Rate and Volumetric Oxygen Transfer Coefficient in Pneumatically Agitated Bioreactors. Industrial & Engineering Chemistry Research, 2006, 45, 1167-1171.	1.8	38
15	Wastewater disinfection by neutral pH photo-Fenton: The role of solar radiation intensity. Applied Catalysis B: Environmental, 2016, 181, 1-6.	10.8	38
16	A kinetics study on the biodegradation of synthetic wastewater simulating effluent from an advanced oxidation process using Pseudomonas putida CECT 324. Journal of Hazardous Materials, 2008, 151, 780-788.	6.5	24
17	Integration of Solar Photocatalysis and Membrane Bioreactor for Pesticides Degradation. Separation Science and Technology, 2010, 45, 1571-1578.	1.3	19
18	Cationization of Alpha-Cellulose to Develop New Sustainable Products. International Journal of Polymer Science, 2015, 2015, 1-9.	1.2	16

#	Article	IF	Citations
19	From traditional paper to nanocomposite films: Analysis of global research into cellulose for food packaging. Food Packaging and Shelf Life, 2022, 31, 100788.	3.3	16
20	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.	6.5	14
21	An analysis of the bacterial community in a membrane bioreactor fed with photo-Fenton pre-treated toxic water. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 1171-1178.	1.4	9
22	Worldwide Research Trends on Solar-Driven Water Disinfection. International Journal of Environmental Research and Public Health, 2021, 18, 9396.	1.2	6
23	Soda-anthraquinone pulping and cationization of Posidonia oceanica. BioResources, 2019, 14, 9228-9243.	0.5	5
24	Ultrasound affects fungal morphology and broth rheology of Aspergillus terreus. Journal of Biotechnology, 2008, 136, S489-S490.	1.9	4
25	Applications of cellulose-based agents for flocculation processes: a bibliometric analysis. Cellulose, 2021, 28, 9857-9871.	2.4	4
26	UNIVERSITY STUDENTS DEVELOPING IMAGINATIVE PROBLEM SOLVING SKILLS â€" THE CASE OF FOOD ENGINEERING. , 0, , .		1
27	A new bioseed for determination of wastewater biodegradability: analysis of the experimental procedure. Environmental Science and Pollution Research, 2014, 21, 9522-9528.	2.7	0