MÂª Isabel Pariente

List of Publications by Year
in descending order

29	1,184	430754	501076
papers	citations	18 h-index	28 g-index

29	29	29	1464
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of a Fenton process for the pretreatment of an iron-containing oily sludge: A sustainable management for refinery wastes. Journal of Environmental Management, 2022, 304, 114244.	3.8	13
2	Advanced bio-oxidation of fungal mixed cultures immobilized on rotating biological contactors for the removal of pharmaceutical micropollutants in a real hospital wastewater. Journal of Hazardous Materials, 2022, 425, 128002.	6.5	18
3	Catalytic activity of LaCu0.5Mn0.5O3 perovskite at circumneutral/basic pH conditions in electro-Fenton processes. Catalysis Today, 2021, 361, 159-164.	2.2	15
4	Study of highly furfural-containing refinery wastewater streams using a conventional homogeneous Fenton process. Journal of Environmental Chemical Engineering, 2021, 9, 104894.	3.3	13
5	Comprehensive characterization of an oily sludge from a petrol refinery: A step forward for its valorization within the circular economy strategy. Journal of Environmental Management, 2021, 285, 112124.	3.8	28
6	Wastewater treatment as a process and a resource. , 2020, , 19-45.		7
7	Trametes versicolor immobilized on rotating biological contactors as alternative biological treatment for the removal of emerging concern micropollutants. Water Research, 2020, 170, 115313.	5.3	34
8	Fenton-like catalyst based on a reticulated porous perovskite material: Activity and stability for the on-site removal of pharmaceutical micropollutans in a hospital wastewater. Chemical Engineering Journal, 2020, 401, 126113.	6.6	22
9	Understanding the role of mediators in the efficiency of advanced oxidation processes using white-rot fungi. Chemical Engineering Journal, 2019, 359, 1427-1435.	6.6	37
10	Techno-economical assessment of coupling Fenton/biological processes for the treatment of a pharmaceutical wastewater. Journal of Environmental Chemical Engineering, 2018, 6, 485-494.	3.3	49
11	Removal of pharmaceutical compounds from urban wastewater by an advanced bio-oxidation process based on fungi Trametes versicolor immobilized in a continuous RBC system. Environmental Science and Pollution Research, 2018, 25, 34884-34892.	2.7	29
12	Low-cost Fe/SiO 2 catalysts for continuous Fenton processes. Catalysis Today, 2017, 280, 176-183.	2.2	31
13	Modeling the integrated heterogeneous catalytic fixed-bed reactor and rotating biological contactor system for the treatment of poorly biodegradable industrial agrochemical wastewater. Journal of Environmental Chemical Engineering, 2016, 4, 2313-2321.	3.3	6
14	Comparative life cycle assessment (LCA) study of heterogeneous and homogenous Fenton processes for the treatment of pharmaceutical wastewater. Journal of Cleaner Production, 2016, 124, 21-29.	4.6	85
15	Intensified-Fenton process for the treatment of phenol aqueous solutions. Water Science and Technology, 2015, 71, 359-365.	1.2	13
16	Extrusion of Fe₂O₃/SBA-15 mesoporous material for application as heterogeneous Fenton-like catalyst. AIMS Environmental Science, 2015, 2, 154-168.	0.7	9
17	Chemical surface modifiedâ€activated carbon cloth for catalytic wet peroxide oxidation of phenol. Journal of Chemical Technology and Biotechnology, 2014, 89, 1182-1188.	1.6	21
18	Treatment of an agrochemical wastewater by combined coagulation and Fenton oxidation. Journal of Chemical Technology and Biotechnology, 2014, 89, 1189-1196.	1.6	12

#	Article	IF	Citations
19	Treatment of a wastewater from a pesticide manufacture by combined coagulation and Fenton oxidation. Environmental Science and Pollution Research, 2014, 21, 12129-12134.	2.7	26
20	Coupling membrane separation and photocatalytic oxidation processes for the degradation of pharmaceutical pollutants. Water Research, 2013, 47, 5647-5658.	5.3	103
21	Treatment of an agrochemical wastewater by integration of heterogeneous catalytic wet hydrogen peroxide oxidation and rotating biological contactors. Chemical Engineering Journal, 2013, 226, 409-415.	6.6	36
22	Influence of preoxidizing treatments on the preparation of ironâ€containing activated carbons for catalytic wet peroxide oxidation of phenol. Journal of Chemical Technology and Biotechnology, 2012, 87, 880-886.	1.6	21
23	Assessment of Fe2O3/SiO2 catalysts for the continuous treatment of phenol aqueous solutions in a fixed bed reactor. Catalysis Today, 2010, 149, 334-340.	2.2	81
24	Catalytic wet hydrogen peroxide oxidation of a petrochemical wastewater. Water Science and Technology, 2010, 61, 1829-1836.	1.2	11
25	Heterogeneous catalytic wet peroxide oxidation systems for the treatment of an industrial pharmaceutical wastewater. Water Research, 2009, 43, 4010-4018.	5.3	135
26	Heterogeneous photo-Fenton oxidation of benzoic acid in water: Effect of operating conditions, reaction by-products and coupling with biological treatment. Applied Catalysis B: Environmental, 2008, 85, 24-32.	10.8	108
27	Catalytic wet peroxidation of phenol in a fixed bed reactor. Water Science and Technology, 2007, 55, 75-81.	1.2	9
28	Treatment of Phenolic Effluents by Catalytic Wet Hydrogen Peroxide Oxidation over Fe2O3/SBA-15 Extruded Catalyst in a Fixed-Bed Reactor. Industrial & Engineering Chemistry Research, 2007, 46, 4396-4405.	1.8	86
29	Nanocomposite Fe2O3/SBA-15: An efficient and stable catalyst for the catalytic wet peroxidation of phenolic aqueous solutions. Chemical Engineering Journal, 2007, 131, 245-256.	6.6	126