

MÂ^a Isabel Pariente

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6945180/publications.pdf>

Version: 2024-02-01

29
papers

1,184
citations

430754

18
h-index

501076

28
g-index

29
all docs

29
docs citations

29
times ranked

1464
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous catalytic wet peroxide oxidation systems for the treatment of an industrial pharmaceutical wastewater. <i>Water Research</i> , 2009, 43, 4010-4018.	5.3	135
2	Nanocomposite Fe ₂ O ₃ /SBA-15: An efficient and stable catalyst for the catalytic wet peroxidation of phenolic aqueous solutions. <i>Chemical Engineering Journal</i> , 2007, 131, 245-256.	6.6	126
3	Heterogeneous photo-Fenton oxidation of benzoic acid in water: Effect of operating conditions, reaction by-products and coupling with biological treatment. <i>Applied Catalysis B: Environmental</i> , 2008, 85, 24-32.	10.8	108
4	Coupling membrane separation and photocatalytic oxidation processes for the degradation of pharmaceutical pollutants. <i>Water Research</i> , 2013, 47, 5647-5658.	5.3	103
5	Treatment of Phenolic Effluents by Catalytic Wet Hydrogen Peroxide Oxidation over Fe ₂ O ₃ /SBA-15 Extruded Catalyst in a Fixed-Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 4396-4405.	1.8	86
6	Comparative life cycle assessment (LCA) study of heterogeneous and homogenous Fenton processes for the treatment of pharmaceutical wastewater. <i>Journal of Cleaner Production</i> , 2016, 124, 21-29.	4.6	85
7	Assessment of Fe ₂ O ₃ /SiO ₂ catalysts for the continuous treatment of phenol aqueous solutions in a fixed bed reactor. <i>Catalysis Today</i> , 2010, 149, 334-340.	2.2	81
8	Techno-economical assessment of coupling Fenton/biological processes for the treatment of a pharmaceutical wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 485-494.	3.3	49
9	Understanding the role of mediators in the efficiency of advanced oxidation processes using white-rot fungi. <i>Chemical Engineering Journal</i> , 2019, 359, 1427-1435.	6.6	37
10	Treatment of an agrochemical wastewater by integration of heterogeneous catalytic wet hydrogen peroxide oxidation and rotating biological contactors. <i>Chemical Engineering Journal</i> , 2013, 226, 409-415.	6.6	36
11	<i>Trametes versicolor</i> immobilized on rotating biological contactors as alternative biological treatment for the removal of emerging concern micropollutants. <i>Water Research</i> , 2020, 170, 115313.	5.3	34
12	Low-cost Fe/SiO ₂ catalysts for continuous Fenton processes. <i>Catalysis Today</i> , 2017, 280, 176-183.	2.2	31
13	Removal of pharmaceutical compounds from urban wastewater by an advanced bio-oxidation process based on fungi <i>Trametes versicolor</i> immobilized in a continuous RBC system. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34884-34892.	2.7	29
14	Comprehensive characterization of an oily sludge from a petrol refinery: A step forward for its valorization within the circular economy strategy. <i>Journal of Environmental Management</i> , 2021, 285, 112124.	3.8	28
15	Treatment of a wastewater from a pesticide manufacture by combined coagulation and Fenton oxidation. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12129-12134.	2.7	26
16	Fenton-like catalyst based on a reticulated porous perovskite material: Activity and stability for the on-site removal of pharmaceutical micropollutants in a hospital wastewater. <i>Chemical Engineering Journal</i> , 2020, 401, 126113.	6.6	22
17	Influence of preoxidizing treatments on the preparation of iron-containing activated carbons for catalytic wet peroxide oxidation of phenol. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 880-886.	1.6	21
18	Chemical surface modified activated carbon cloth for catalytic wet peroxide oxidation of phenol. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1182-1188.	1.6	21

#	ARTICLE	IF	CITATIONS
19	Advanced bio-oxidation of fungal mixed cultures immobilized on rotating biological contactors for the removal of pharmaceutical micropollutants in a real hospital wastewater. <i>Journal of Hazardous Materials</i> , 2022, 425, 128002.	6.5	18
20	Catalytic activity of LaCu _{0.5} Mn _{0.5} O ₃ perovskite at circumneutral/basic pH conditions in electro-Fenton processes. <i>Catalysis Today</i> , 2021, 361, 159-164.	2.2	15
21	Intensified-Fenton process for the treatment of phenol aqueous solutions. <i>Water Science and Technology</i> , 2015, 71, 359-365.	1.2	13
22	Study of highly furfural-containing refinery wastewater streams using a conventional homogeneous Fenton process. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104894.	3.3	13
23	Application of a Fenton process for the pretreatment of an iron-containing oily sludge: A sustainable management for refinery wastes. <i>Journal of Environmental Management</i> , 2022, 304, 114244.	3.8	13
24	Treatment of an agrochemical wastewater by combined coagulation and Fenton oxidation. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1189-1196.	1.6	12
25	Catalytic wet hydrogen peroxide oxidation of a petrochemical wastewater. <i>Water Science and Technology</i> , 2010, 61, 1829-1836.	1.2	11
26	Catalytic wet peroxidation of phenol in a fixed bed reactor. <i>Water Science and Technology</i> , 2007, 55, 75-81.	1.2	9
27	Extrusion of Fe ₂ O ₃ /SBA-15 mesoporous material for application as heterogeneous Fenton-like catalyst. <i>AIMS Environmental Science</i> , 2015, 2, 154-168.	0.7	9
28	Wastewater treatment as a process and a resource. , 2020, , 19-45.		7
29	Modeling the integrated heterogeneous catalytic fixed-bed reactor and rotating biological contactor system for the treatment of poorly biodegradable industrial agrochemical wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2313-2321.	3.3	6