

Jose Antonio Perdigon Melon

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,525
citations

361413

20
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

3565
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence of emerging pollutants in urban wastewater and their removal through biological treatment followed by ozonation. <i>Water Research</i> , 2010, 44, 578-588.	11.3	799
2	Direct Synthesis and Characterization of Hydrophobic Aluminum-Free Ti ^{IV} Beta Zeolite. <i>Journal of Physical Chemistry B</i> , 1998, 102, 75-88.	2.6	395
3	Removal of pharmaceuticals and kinetics of mineralization by O ₃ /H ₂ O ₂ in a biotreated municipal wastewater. <i>Water Research</i> , 2008, 42, 3719-3728.	11.3	150
4	Application of the combination index (CI)-isobologram equation to study the toxicological interactions of lipid regulators in two aquatic bioluminescent organisms. <i>Water Research</i> , 2010, 44, 427-438.	11.3	134
5	Continuous ozonation treatment of ofloxacin: Transformation products, water matrix effect and aquatic toxicity. <i>Journal of Hazardous Materials</i> , 2015, 292, 34-43.	12.4	104
6	Degradation of caffeine and identification of the transformation products generated by ozonation. <i>Chemosphere</i> , 2009, 74, 825-831.	8.2	94
7	Determination of the Pore Topology of Zeolite IM-5 by Means of Catalytic Test Reactions and Hydrocarbon Adsorption Measurements. <i>Journal of Catalysis</i> , 2000, 189, 382-394.	6.2	79
8	Personal care product preservatives: Risk assessment and mixture toxicities with an industrial wastewater. <i>Water Research</i> , 2015, 72, 174-185.	11.3	63
9	Catalytic ozonation of atrazine and linuron on MnO /Al ₂ O ₃ and MnO /SBA-15 in a fixed bed reactor. <i>Chemical Engineering Journal</i> , 2010, 165, 806-812.	12.7	59
10	Coagulation-Fenton coupled treatment for ecotoxicity reduction in highly polluted industrial wastewater. <i>Journal of Hazardous Materials</i> , 2010, 181, 127-132.	12.4	58
11	Surface Area, Pore Volume Distribution, and Acidity in Mesoporous Expanded Clay Catalysts from Hybrid Density Functional Theory (DFT) and Adsorption Microcalorimetry Methods. <i>Langmuir</i> , 2002, 18, 9816-9823.	3.5	57
12	CuO/SBA-15 catalyst for the catalytic ozonation of mesoxalic and oxalic acids. Water matrix effects. <i>Chemical Engineering Journal</i> , 2013, 225, 164-173.	12.7	57
13	Study of the influence of the In ₂ O ₃ loading on γ -alumina for the development of de-NO _x catalysts. <i>Journal of Catalysis</i> , 2005, 234, 421-430.	6.2	55
14	Oxidation of dissolved organic matter in the effluent of a sewage treatment plant using ozone combined with hydrogen peroxide (O ₃ /H ₂ O ₂). <i>Chemical Engineering Journal</i> , 2009, 149, 311-318.	12.7	55
15	An In-depth Study of Supported In ₂ O ₃ Catalysts for the Selective Catalytic Reduction of NO _x : The Influence of the Oxide Support. <i>Journal of Physical Chemistry B</i> , 2006, 110, 240-249.	2.6	49
16	Ozonation as pre-treatment of activated sludge process of a wastewater containing benzalkonium chloride and NiO nanoparticles. <i>Chemical Engineering Journal</i> , 2016, 283, 740-749.	12.7	46
17	Determining the topology of zeolites by adsorption microcalorimetry of organic molecules. <i>Microporous and Mesoporous Materials</i> , 1998, 22, 269-279.	4.4	40
18	Micrometric BN powders used as catalyst support: influence of the precursor on the properties of the BN ceramic. <i>Journal of Solid State Chemistry</i> , 2004, 177, 609-615.	2.9	40

#	ARTICLE	IF	CITATIONS
19	Porous boron nitride supports obtained from molecular precursors.. Journal of Organometallic Chemistry, 2002, 657, 98-106.	1.8	38
20	Characterization and reactivity of group III oxides supported on niobium oxide. Catalysis Today, 2003, 78, 377-386.	4.4	23
21	Acid-Base Properties of Alumina-Supported M ₂ O ₃ (M=B, Ga, In) Catalysts. Topics in Catalysis, 2002, 19, 271-281.	2.8	20
22	Ozone-Based Technologies in Water and Wastewater Treatment. , 2008, , 127-175.		20
23	Environmental optimization of continuous flow ozonation for urban wastewater reclamation. Science of the Total Environment, 2012, 437, 68-75.	8.0	18
24	Molecular simulation and adsorption studies of n-hexane in ZSM-11 zeolites. Microporous and Mesoporous Materials, 2011, 142, 258-267.	4.4	17
25	Heats of Adsorption of N-Hexane by Thermal Gravimetry with Differential Scanning Calorimetry (TG-DSC): A Tool for Textural Characterization of Pillared Clays. Clays and Clay Minerals, 2000, 48, 385-391.	1.3	14
26	Influence of water matrix on copper-catalysed continuous ozonation and related ecotoxicity. Applied Catalysis B: Environmental, 2015, 163, 233-240.	20.2	14
27	Adsorption microcalorimetry of probe molecules of different size to characterize the microporosity of pillared clays. Microporous and Mesoporous Materials, 2002, 51, 145-154.	4.4	11
28	Kinetics and Mechanism of Catalytic Ozonation of Aqueous Pollutants on Metal Oxide Catalysts. Ozone: Science and Engineering, 2011, 33, 434-440.	2.5	11
29	Calorimetric study of methane interaction with supported Pd catalysts. Journal of Thermal Analysis and Calorimetry, 2003, 72, 443-451.	3.6	5