Miguel ngel lvarez-Merino

List of Publications by Year in Descending Order

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Version: 2024-04-28

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43 papers	1,412 citations	23 h-index	37 g-index
44 ext. papers	1,567 ext. citations	9.3 avg, IF	4.54 L-index

#	Paper	IF	Citations
43	Physicochemical characteristics of calcined MnFeO solid nanospheres and their catalytic activity to oxidize para-nitrophenol with peroxymonosulfate and n-C asphaltenes with air. *Journal of Environmental Management*, **2021**, 281, 111871	7.9	11
42	Copper ferrite nanospheres composites mixed with carbon black to boost the oxygen reduction reaction. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 613, 126060	5.1	4
41	Manganese ferrite solid nanospheres solvothermally synthesized as catalyst for peroxymonosulfate activation to degrade and mineralize para-nitrophenol: Study of operational variables and catalyst reutilization. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105192	6.8	2
40	Effect of operational parameters on photocatalytic degradation of ethylparaben using rGO/TiO composite under UV radiation. *Environmental Research*, **2021**, 200, 111750	7.9	3
39	Electrocatalytic activity of calcined manganese ferrite solid nanospheres in the oxygen reduction reaction. *Environmental Research*, **2021**, 204, 112126	7.9	0
38	Hydrothermal Synthesis of rGO-TiO2 Composites as High-Performance UV Photocatalysts for Ethylparaben Degradation. *Catalysts*, **2020**, 10, 520	4	23
37	Solar Degradation of Sulfamethazine Using rGO/Bi Composite Photocatalysts. *Catalysts*, **2020**, 10, 573	4	5
36	Methotrexate Gold Nanocarriers: Loading and Release Study: Its Activity in Colon and Lung Cancer Cells. *Molecules*, **2020**, 25,	4.8	9
35	Characteristics and Behavior of Different Catalysts Used for Water Decontamination in Photooxidation and Ozonation Processes. *Catalysts*, **2020**, 10, 1485	4	2
34	Removal of parabens from water by UV-driven advanced oxidation processes. *Chemical Engineering Journal*, **2020**, 379, 122334	14.7	36
33	Removal of Phenolic Compounds from Water Using Copper Ferrite Nanosphere Composites as Fenton Catalysts. *Nanomaterials*, **2019**, 9,	5.4	13
32	Photocatalytic oxidation of diuron using nickel organic xerogel under simulated solar irradiation. *Science of the Total Environment*, **2019**, 650, 1207-1215	10.2	17
31	Influence of operational parameters on photocatalytic amitrole degradation using nickel organic xerogel under UV irradiation. *Arabian Journal of Chemistry*, **2018**, 11, 564-572	5.9	10
30	Effect of calcination temperature of a copper ferrite synthesized by a sol-gel method on its structural characteristics and performance as Fenton catalyst to remove gallic acid from water. *Journal of Colloid and Interface Science*, **2018**, 511, 193-202	9.3	33
29	New carbon xerogel-TiO2 composites with high performance as visible-light photocatalysts for dye mineralization. *Applied Catalysis B: Environmental*, **2017**, 201, 29-40	21.8	77
28	Photoactivity of organic xerogels and aerogels in the photodegradation of herbicides from waters. *Applied Catalysis B: Environmental*, **2016**, 181, 94-102	21.8	19
27	Mixed iron oxides as Fenton catalysts for gallic acid removal from aqueous solutions. *Applied Catalysis B: Environmental*, **2016**, 196, 207-215	21.8	68

26	Fenton oxidation of gallic and p-coumaric acids in water assisted by an activated carbon cloth. *Water Science and Technology*, **2015**, 71, 789-94	2.2	4
25	Bacteria supported on carbon films for water denitrification. *Chemical Engineering Journal*, **2015**, 259, 424-429	14.7	14
24	Effect of HO, SO_4 and CO_3/HCO_3 radicals on the photodegradation of the herbicide amitrole by UV radiation in aqueous solution. *Chemical Engineering Journal*, **2015**, 267, 182-190	14.7	44
23	Photodegradation of herbicides with different chemical natures in aqueous solution by ultraviolet radiation. Effects of operational variables and solution chemistry. *Chemical Engineering Journal*, **2014**, 255, 307-315	14.7	27
22	Nitroimidazoles adsorption on activated carbon cloth from aqueous solution. *Journal of Colloid and Interface Science*, **2013**, 401, 116-24	9.3	34
21	Competitive adsorption of the herbicide fluroxypyr and tannic acid from distilled and tap water on activated carbons and their thermal desorption. *Adsorption*, **2012**, 18, 173-179	2.6	10
20	Activated carbon cloth as adsorbent and oxidation catalyst for the removal of amitrole from aqueous solution. *Adsorption*, **2011**, 17, 413-419	2.6	15
19	Heterogeneous and homogeneous Fenton processes using activated carbon for the removal of the herbicide amitrole from water. *Applied Catalysis B: Environmental*, **2011**, 101, 425-430	21.8	54
18	Adsorption mechanisms of metal cations from water on an oxidized carbon surface. *Journal of Colloid and Interface Science*, **2010**, 345, 461-6	9.3	38
17	Temperature dependence of the point of zero charge of oxidized and non-oxidized activated carbons. *Carbon*, **2008**, 46, 778-787	10.4	38
16	Removal of diuron and amitrole from water under static and dynamic conditions using activated carbons in form of fibers, cloth, and grains. *Water Research*, **2007**, 41, 2865-70	12.5	47
15	Effect of surface chemistry, solution pH, and ionic strength on the removal of herbicides diuron and amitrole from water by an activated carbon fiber. *Langmuir*, **2007**, 23, 1242-7	4	106
14	Temperature dependence of herbicide adsorption from aqueous solutions on activated carbon fiber and cloth. *Langmuir*, **2006**, 22, 9586-90	4	42
13	About the endothermic nature of the adsorption of the herbicide diuron from aqueous solutions on activated carbon fiber. *Carbon*, **2006**, 44, 2335-2338	10.4	40
12	A study of the static and dynamic adsorption of Zn(II) ions on carbon materials from aqueous solutions. *Journal of Colloid and Interface Science*, **2005**, 288, 335-41	9.3	64
11	Cadmium ion adsorption on different carbon adsorbents from aqueous solutions. Effect of surface chemistry, pore texture, ionic strength, and dissolved natural organic matter. *Langmuir*, **2004**, 20, 8142-8	4	92
10	Activated carbon and tungsten oxide supported on activated carbon catalysts for toluene catalytic combustion. *Environmental Science & Technology*, **2004**, 38, 4664-70	10.3	59
9	Application of ammonia intermittent temperature-programmed desorption to evaluate surface acidity of tungsten oxide supported on activated carbon. *Journal of Colloid and Interface Science*, **2003**, 260, 449-53	9.3	9

8	Chemical and physical activation of olive-mill waste water to produce activated carbons. *Carbon*, **2001**, 39, 1415-1420	10.4	139
7	Tungsten and Tungsten Carbide Supported on Activated Carbon: Surface Structures and Performance for Ethylene Hydrogenation. *Langmuir*, **2001**, 17, 1752-1756	4	55
6	Decomposition Reactions of Methanol and Ethanol Catalyzed by Tungsten Oxide Supported on Activated Carbon. *Reaction Kinetics and Catalysis Letters*, **2000**, 71, 137-142		17
5	Tungsten catalysts supported on activated carbonI. Preparation and characterization after their heat treatments in inert atmosphere. *Journal of Catalysis*, **2000**, 192, 363-373	7.3	51
4	Tungsten catalysts supported on activated carbonII. Skeletal isomerization of 1-butene. *Journal of Catalysis*, **2000**, 192, 374-380	7.3	25
3	Adsorption of SO2 from flowing air by alkaline-oxide-containing activated carbons. *Applied Catalysis B: Environmental*, **1997**, 13, 229-240	21.8	11
2	Microporous activated carbons from a bituminous coal. *Fuel*, **1996**, 75, 966-970	7.1	44
1	Effect of alkaline metal oxides on the adsorption of SO2 by activated carbons. *Coal Science and Technology*, **1995**, 1827-1830		