

# Miguel ngel lvarez-Merino

## List of Publications by Citations

**Source:**

<https://exaly.com/author-pdf/1359380/miguel-angel-alvarez-merino-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Chemical and physical activation of olive-mill waste water to produce activated carbons. <i>Carbon</i> , <b>2001</b> , 39, 1415-1420	10.4	139
42	Effect of surface chemistry, solution pH, and ionic strength on the removal of herbicides diuron and amitrole from water by an activated carbon fiber. <i>Langmuir</i> , <b>2007</b> , 23, 1242-7	4	106
41	Cadmium ion adsorption on different carbon adsorbents from aqueous solutions. Effect of surface chemistry, pore texture, ionic strength, and dissolved natural organic matter. <i>Langmuir</i> , <b>2004</b> , 20, 8142-8147	4	92
40	New carbon xerogel-TiO <sub>2</sub> composites with high performance as visible-light photocatalysts for dye mineralization. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 201, 29-40	21.8	77
39	Mixed iron oxides as Fenton catalysts for gallic acid removal from aqueous solutions. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 196, 207-215	21.8	68
38	A study of the static and dynamic adsorption of Zn(II) ions on carbon materials from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , <b>2005</b> , 288, 335-41	9.3	64
37	Activated carbon and tungsten oxide supported on activated carbon catalysts for toluene catalytic combustion. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 4664-70	10.3	59
36	Tungsten and Tungsten Carbide Supported on Activated Carbon: Surface Structures and Performance for Ethylene Hydrogenation. <i>Langmuir</i> , <b>2001</b> , 17, 1752-1756	4	55
35	Heterogeneous and homogeneous Fenton processes using activated carbon for the removal of the herbicide amitrole from water. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 101, 425-430	21.8	54
34	Tungsten catalysts supported on activated carbon. Preparation and characterization after their heat treatments in inert atmosphere. <i>Journal of Catalysis</i> , <b>2000</b> , 192, 363-373	7.3	51
33	Removal of diuron and amitrole from water under static and dynamic conditions using activated carbons in form of fibers, cloth, and grains. <i>Water Research</i> , <b>2007</b> , 41, 2865-70	12.5	47
32	Effect of HO <sub>2</sub> , SO <sub>4</sub> <sup>•-</sup> and CO <sub>3</sub> <sup>•-</sup> radicals on the photodegradation of the herbicide amitrole by UV radiation in aqueous solution. <i>Chemical Engineering Journal</i> , <b>2015</b> , 267, 182-190	14.7	44
31	Microporous activated carbons from a bituminous coal. <i>Fuel</i> , <b>1996</b> , 75, 966-970	7.1	44
30	Temperature dependence of herbicide adsorption from aqueous solutions on activated carbon fiber and cloth. <i>Langmuir</i> , <b>2006</b> , 22, 9586-90	4	42
29	About the endothermic nature of the adsorption of the herbicide diuron from aqueous solutions on activated carbon fiber. <i>Carbon</i> , <b>2006</b> , 44, 2335-2338	10.4	40
28	Adsorption mechanisms of metal cations from water on an oxidized carbon surface. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 345, 461-6	9.3	38
27	Temperature dependence of the point of zero charge of oxidized and non-oxidized activated carbons. <i>Carbon</i> , <b>2008</b> , 46, 778-787	10.4	38

26	Removal of parabens from water by UV-driven advanced oxidation processes. <i>Chemical Engineering Journal</i> , <b>2020</b> , 379, 122334	14.7	36
25	Nitroimidazoles adsorption on activated carbon cloth from aqueous solution. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 401, 116-24	9.3	34
24	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. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 511, 193-202	9.3	33
23	Photodegradation of herbicides with different chemical natures in aqueous solution by ultraviolet radiation. Effects of operational variables and solution chemistry. <i>Chemical Engineering Journal</i> , <b>2014</b> , 255, 307-315	14.7	27
22	Tungsten catalysts supported on activated carbon. Skeletal isomerization of 1-butene. <i>Journal of Catalysis</i> , <b>2000</b> , 192, 374-380	7.3	25
21	Hydrothermal Synthesis of rGO-TiO <sub>2</sub> Composites as High-Performance UV Photocatalysts for Ethylparaben Degradation. <i>Catalysts</i> , <b>2020</b> , 10, 520	4	23
20	Photoactivity of organic xerogels and aerogels in the photodegradation of herbicides from waters. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 181, 94-102	21.8	19
19	Decomposition Reactions of Methanol and Ethanol Catalyzed by Tungsten Oxide Supported on Activated Carbon. <i>Reaction Kinetics and Catalysis Letters</i> , <b>2000</b> , 71, 137-142		17
18	Photocatalytic oxidation of diuron using nickel organic xerogel under simulated solar irradiation. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 1207-1215	10.2	17
17	Activated carbon cloth as adsorbent and oxidation catalyst for the removal of amitrole from aqueous solution. <i>Adsorption</i> , <b>2011</b> , 17, 413-419	2.6	15
16	Bacteria supported on carbon films for water denitrification. <i>Chemical Engineering Journal</i> , <b>2015</b> , 259, 424-429	14.7	14
15	Removal of Phenolic Compounds from Water Using Copper Ferrite Nanosphere Composites as Fenton Catalysts. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	13
14	Adsorption of SO <sub>2</sub> from flowing air by alkaline-oxide-containing activated carbons. <i>Applied Catalysis B: Environmental</i> , <b>1997</b> , 13, 229-240	21.8	11
13	Physicochemical characteristics of calcined MnFeO solid nanospheres and their catalytic activity to oxidize para-nitrophenol with peroxymonosulfate and n-C asphaltenes with air. <i>Journal of Environmental Management</i> , <b>2021</b> , 281, 111871	7.9	11
12	Influence of operational parameters on photocatalytic amitrole degradation using nickel organic xerogel under UV irradiation. <i>Arabian Journal of Chemistry</i> , <b>2018</b> , 11, 564-572	5.9	10
11	Competitive adsorption of the herbicide fluroxypyr and tannic acid from distilled and tap water on activated carbons and their thermal desorption. <i>Adsorption</i> , <b>2012</b> , 18, 173-179	2.6	10
10	Application of ammonia intermittent temperature-programmed desorption to evaluate surface acidity of tungsten oxide supported on activated carbon. <i>Journal of Colloid and Interface Science</i> , <b>2003</b> , 260, 449-53	9.3	9
9	Methotrexate Gold Nanocarriers: Loading and Release Study: Its Activity in Colon and Lung Cancer Cells. <i>Molecules</i> , <b>2020</b> , 25,	4.8	9

8	Solar Degradation of Sulfamethazine Using rGO/Bi Composite Photocatalysts. <i>Catalysts</i> , <b>2020</b> , 10, 573	4	5
7	Fenton oxidation of gallic and p-coumaric acids in water assisted by an activated carbon cloth. <i>Water Science and Technology</i> , <b>2015</b> , 71, 789-94	2.2	4
6	Copper ferrite nanospheres composites mixed with carbon black to boost the oxygen reduction reaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 613, 126060	5.1	4
5	Effect of operational parameters on photocatalytic degradation of ethylparaben using rGO/TiO composite under UV radiation. <i>Environmental Research</i> , <b>2021</b> , 200, 111750	7.9	3
4	Characteristics and Behavior of Different Catalysts Used for Water Decontamination in Photooxidation and Ozonation Processes. <i>Catalysts</i> , <b>2020</b> , 10, 1485	4	2
3	Manganese ferrite solid nanospheres solvothermally synthesized as catalyst for peroxymonosulfate activation to degrade and mineralize para-nitrophenol: Study of operational variables and catalyst reutilization. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105192	6.8	2
2	Electrocatalytic activity of calcined manganese ferrite solid nanospheres in the oxygen reduction reaction. <i>Environmental Research</i> , <b>2021</b> , 204, 112126	7.9	0
1	Effect of alkaline metal oxides on the adsorption of SO <sub>2</sub> by activated carbons. <i>Coal Science and Technology</i> , <b>1995</b> , 1827-1830		