

# Mara Victoria Lopez-Ramón

## List of Publications by Citations

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68

papers

3,563

citations

30

h-index

59

g-index

70

ext. papers

3,869

ext. citations

7.9

avg, IF

5.14

L-index

#	Paper	IF	Citations
68	Changes in surface chemistry of activated carbons by wet oxidation. <i>Carbon</i> , <b>2000</b> , 38, 1995-2001	10.4	694
67	On the characterization of acidic and basic surface sites on carbons by various techniques. <i>Carbon</i> , <b>1999</b> , 37, 1215-1221	10.4	604
66	Adsorption of some substituted phenols on activated carbons from a bituminous coal. <i>Carbon</i> , <b>1995</b> , 33, 845-851	10.4	180
65	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
64	Thermal regeneration of an activated carbon exhausted with different substituted phenols. <i>Carbon</i> , <b>1995</b> , 33, 1417-1423	10.4	110
63	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
62	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, 8142-8 <sup>4</sup>		92
61	Adsorption of Phenolic Compounds from Aqueous Solutions, by Activated Carbons, Described by the Dubinin-Radushkevich Equation. <i>Langmuir</i> , <b>2001</b> , 17, 3301-3306	4	91
60	Determination of the Pore Size Distribution and Network Connectivity in Microporous Solids by Adsorption Measurements and Monte Carlo Simulation. <i>Langmuir</i> , <b>1997</b> , 13, 4435-4445	4	87
59	Specific and non-specific interactions of water molecules with carbon surfaces from immersion calorimetry. <i>Carbon</i> , <b>2000</b> , 38, 825-829	10.4	75
58	Dehydration of methanol to dimethyl ether catalyzed by oxidized activated carbons with varying surface acidic character. <i>Carbon</i> , <b>2001</b> , 39, 869-875	10.4	74
57	Micropore sizes in activated carbons determined from the Dubinin-Radushkevich equation. <i>Carbon</i> , <b>2001</b> , 39, 1115-1116	10.4	72
56	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
55	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
54	Kinetics of diuron and amitrole adsorption from aqueous solution on activated carbons. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 156, 472-7	12.8	58
53	Applicability of the Dubinin-Radushkevich equation to carbon dioxide adsorption on activated carbons. <i>Langmuir</i> , <b>1993</b> , 9, 2758-2760	4	58
52	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

51	Ionic strength effects in aqueous phase adsorption of metal ions on activated carbons. <i>Carbon</i> , <b>2003</b> , 41, 2020-2022	10.4	51
50	Adsorption of Phenol from Dilute and Concentrated Aqueous Solutions by Activated Carbons. <i>Langmuir</i> , <b>2003</b> , 19, 9719-9723	4	50
49	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
48	Specific and Nonspecific Interactions between Methanol and Ethanol and Active Carbons. <i>Langmuir</i> , <b>2000</b> , 16, 5967-5972	4	46
47	Effect of HO, SO <sub>4</sub> <sup>2-</sup> and CO <sub>3</sub> <sup>2-</sup> /HCO <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
46	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
45	Batch and column adsorption of herbicide fluroxypyr on different types of activated carbons from water with varied degrees of hardness and alkalinity. <i>Water Research</i> , <b>2010</b> , 44, 879-85	12.5	40
44	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
43	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
42	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
41	Removal of parabens from water by UV-driven advanced oxidation processes. <i>Chemical Engineering Journal</i> , <b>2020</b> , 379, 122334	14.7	36
40	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
39	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
38	Removal of bisphenols A and S by adsorption on activated carbon clothes enhanced by the presence of bacteria. <i>Science of the Total Environment</i> , <b>2019</b> , 669, 767-776	10.2	29
37	Activated carbons from a subbituminous coal: Pore texture and electrokinetic properties. <i>Carbon</i> , <b>1993</b> , 31, 815-819	10.4	29
36	Adsorption and thermal desorption of the herbicide fluroxypyr on activated carbon fibers and cloth at different pH values. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 331, 2-7	9.3	28
35	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
34	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

33	Distribution of surface oxygen complexes on activated carbons from immersion calorimetry, titration and temperature-programmed desorption techniques. <i>Carbon</i> , <b>2001</b> , 39, 2235-2237	10.4	23
32	Activated carbon cloth as support for mesenchymal stem cell growth and differentiation to osteocytes. <i>Carbon</i> , <b>2009</b> , 47, 3574-3577	10.4	21
31	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
30	On the Carbon Dioxide and Benzene Adsorption on Activated Carbons To Study Their Micropore Structure. <i>Langmuir</i> , <b>1997</b> , 13, 5208-5210	4	18
29	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
28	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
27	Micropore Structure of Activated Carbons Prepared From a Spanish Subbituminous Coal Studied by CO <sub>2</sub> , Benzene, and Cyclohexane Adsorption. <i>Langmuir</i> , <b>1995</b> , 11, 247-252	4	15
26	Removal of Phenolic Compounds from Water Using Copper Ferrite Nanosphere Composites as Fenton Catalysts. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	13
25	Lanthanum-doped silica xerogels for the removal of fluorides from waters. <i>Journal of Environmental Management</i> , <b>2018</b> , 213, 549-554	7.9	12
24	Demineralization of a bituminous coal by froth flotation before obtaining activated carbons. <i>Carbon</i> , <b>1996</b> , 34, 917-921	10.4	11
23	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
22	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
21	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
20	Phenol Adsorption from Dilute Aqueous Solutions by Carbons. <i>Chimia</i> , <b>2003</b> , 57, 616-618	1.3	8
19	Degradation of the diuretic hydrochlorothiazide by UV/Solar radiation assisted oxidation processes. <i>Journal of Environmental Management</i> , <b>2020</b> , 257, 109973	7.9	8
18	Oxidation of sulfonamides by ferrate(VI): Reaction kinetics, transformation byproducts and toxicity assesment. <i>Journal of Environmental Management</i> , <b>2020</b> , 255, 109927	7.9	8
17	Solar Degradation of Sulfamethazine Using rGO/Bi Composite Photocatalysts. <i>Catalysts</i> , <b>2020</b> , 10, 573	4	5
16	Halide removal from water using silver doped magnetic-microparticles. <i>Journal of Environmental Management</i> , <b>2020</b> , 253, 109731	7.9	5

15	New Technologies to Remove Halides from Water: An Overview. <i>Nanotechnology in the Life Sciences</i> , <b>2019</b> , 147-180	1.1	4
14	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
13	Growth and spontaneous differentiation of umbilical-cord stromal stem cells on activated carbon cloth. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 3359-3368	7.3	4
12	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
11	Extra-Heavy Crude Oil Viscosity Reduction Using and Reusing Magnetic Copper Ferrite Nanospheres. <i>Processes</i> , <b>2021</b> , 9, 175	2.9	4
10	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
9	Life Cycle Assessment of Cement Production with Marble Waste Sludges. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
8	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
7	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
6	2-tert-Butylamino-4-chloro-6-ethylamino-1,3,5-triazine: a structure with ZU= 4 containing two different molecular conformations and two independent chains of hydrogen-bonded R(2)2(8) rings. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2008</b> , 64, 0463-6		1
5	Novel Organochlorinated Xerogels: From Microporous Materials to Ordered Domains. <i>Polymers</i> , <b>2021</b> , 13,	4.5	1
4	Hybrid Xerogels: Study of the Sol-Gel Process and Local Structure by Vibrational Spectroscopy. <i>Polymers</i> , <b>2021</b> , 13,	4.5	1
3	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
2	Adsorption Kinetics of Fluroxypyr Herbicide in Aqueous Solution onto Granular Activated Carbon. <i>Separation Science and Technology</i> , <b>2011</b> , 46, 1582-1590	2.5	
1	Remediation of water polluted with model endocrine disruptors based on adsorption processes <b>2021</b> , 75-112		