

MarÃ-a Victoria LÃ³pez-RamÃ³n

List of Publications by Year in descending order

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70
papers

4,222
citations

117625

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65
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all docs

70
docs citations

70
times ranked

4806
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in surface chemistry of activated carbons by wet oxidation. Carbon, 2000, 38, 1995-2001.	10.3	765
2	On the characterization of acidic and basic surface sites on carbons by various techniques. Carbon, 1999, 37, 1215-1221.	10.3	693
3	Adsorption of some substituted phenols on activated carbons from a bituminous coal. Carbon, 1995, 33, 845-851.	10.3	199
4	Chemical and physical activation of olive-mill waste water to produce activated carbons. Carbon, 2001, 39, 1415-1420.	10.3	159
5	Thermal regeneration of an activated carbon exhausted with different substituted phenols. Carbon, 1995, 33, 1417-1423.	10.3	123
6	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, 1242-1247.	3.5	123
7	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, 8142-8148.	3.5	104
8	Determination of the Pore Size Distribution and Network Connectivity in Microporous Solids by Adsorption Measurements and Monte Carlo Simulation. Langmuir, 1997, 13, 4435-4445.	3.5	97
9	Adsorption of Phenolic Compounds from Aqueous Solutions, by Activated Carbons, Described by the Dubinin-Radushkevich Equation. Langmuir, 2001, 17, 3301-3306.	3.5	97
10	Dehydration of methanol to dimethyl ether catalyzed by oxidized activated carbons with varying surface acidic character. Carbon, 2001, 39, 869-875.	10.3	86
11	Mixed iron oxides as Fenton catalysts for gallic acid removal from aqueous solutions. Applied Catalysis B: Environmental, 2016, 196, 207-215.	20.2	84
12	Micropore sizes in activated carbons determined from the Dubinin-Radushkevich equation. Carbon, 2001, 39, 1115-1116.	10.3	80
13	Specific and non-specific interactions of water molecules with carbon surfaces from immersion calorimetry. Carbon, 2000, 38, 825-829.	10.3	79
14	Hydrothermal Synthesis of rGO-TiO ₂ Composites as High-Performance UV Photocatalysts for Ethylparaben Degradation. Catalysts, 2020, 10, 520.	3.5	71
15	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, 335-341.	9.4	66
16	Kinetics of diuron and amitrole adsorption from aqueous solution on activated carbons. Journal of Hazardous Materials, 2008, 156, 472-477.	12.4	66
17	Applicability of the Dubinin-Radushkevich equation to carbon dioxide adsorption on activated carbons. Langmuir, 1993, 9, 2758-2760.	3.5	62
18	Ionic strength effects in aqueous phase adsorption of metal ions on activated carbons. Carbon, 2003, 41, 2020-2022.	10.3	62

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19	Heterogeneous and homogeneous Fenton processes using activated carbon for the removal of the herbicide amitrole from water. <i>Applied Catalysis B: Environmental</i> , 2011, 101, 425-430.	20.2	60
20	Removal of parabens from water by UV-driven advanced oxidation processes. <i>Chemical Engineering Journal</i> , 2020, 379, 122334.	12.7	59
21	Adsorption of Phenol from Dilute and Concentrated Aqueous Solutions by Activated Carbons. <i>Langmuir</i> , 2003, 19, 9719-9723.	3.5	53
22	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> , 2007, 41, 2865-2870.	11.3	53
23	Effect of HO, SO ₄ ^{•-} and CO ₃ ^{•-} /HCO ₃ radicals on the photodegradation of the herbicide amitrole by UV radiation in aqueous solution. <i>Chemical Engineering Journal</i> , 2015, 267, 182-190.	12.7	51
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> , 2018, 511, 193-202.	9.4	50
25	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> , 2010, 44, 879-885.	11.3	49
26	Temperature dependence of the point of zero charge of oxidized and non-oxidized activated carbons. <i>Carbon</i> , 2008, 46, 778-787.	10.3	48
27	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> , 2019, 669, 767-776.	8.0	48
28	Specific and Nonspecific Interactions between Methanol and Ethanol and Active Carbons. <i>Langmuir</i> , 2000, 16, 5967-5972.	3.5	47
29	About the endothermic nature of the adsorption of the herbicide diuron from aqueous solutions on activated carbon fiber. <i>Carbon</i> , 2006, 44, 2335-2338.	10.3	47
30	Temperature Dependence of Herbicide Adsorption from Aqueous Solutions on Activated Carbon Fiber and Cloth. <i>Langmuir</i> , 2006, 22, 9586-9590.	3.5	46
31	Adsorption mechanisms of metal cations from water on an oxidized carbon surface. <i>Journal of Colloid and Interface Science</i> , 2010, 345, 461-466.	9.4	42
32	Nitroimidazoles adsorption on activated carbon cloth from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2013, 401, 116-124.	9.4	38
33	Activated carbons from a subbituminous coal: Pore texture and electrokinetic properties. <i>Carbon</i> , 1993, 31, 815-819.	10.3	36
34	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> , 2009, 331, 2-7.	9.4	34
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> , 2014, 255, 307-315.	12.7	31
36	Oxidation of sulfonamides by ferrate(VI): Reaction kinetics, transformation byproducts and toxicity assessment. <i>Journal of Environmental Management</i> , 2020, 255, 109927.	7.8	25

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37	Activated carbon cloth as support for mesenchymal stem cell growth and differentiation to osteocytes. <i>Carbon</i> , 2009, 47, 3574-3577.	10.3	24
38	Distribution of surface oxygen complexes on activated carbons from immersion calorimetry, titration and temperature-programmed desorption techniques. <i>Carbon</i> , 2001, 39, 2235-2237.	10.3	23
39	Photocatalytic oxidation of diuron using nickel organic xerogel under simulated solar irradiation. <i>Science of the Total Environment</i> , 2019, 650, 1207-1215.	8.0	23
40	Removal of Phenolic Compounds from Water Using Copper Ferrite Nanosphere Composites as Fenton Catalysts. <i>Nanomaterials</i> , 2019, 9, 901.	4.1	22
41	On the Carbon Dioxide and Benzene Adsorption on Activated Carbons To Study Their Micropore Structure. <i>Langmuir</i> , 1997, 13, 5208-5210.	3.5	20
42	Physicochemical characteristics of calcined MnFe ₂ O ₄ solid nanospheres and their catalytic activity to oxidize para-nitrophenol with peroxydisulfate and n-C ₇ asphaltenes with air. <i>Journal of Environmental Management</i> , 2021, 281, 111871.	7.8	20
43	Photoactivity of organic xerogels and aerogels in the photodegradation of herbicides from waters. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 94-102.	20.2	19
44	Activated carbon cloth as adsorbent and oxidation catalyst for the removal of amitrole from aqueous solution. <i>Adsorption</i> , 2011, 17, 413-419.	3.0	18
45	Lanthanum-doped silica xerogels for the removal of fluorides from waters. <i>Journal of Environmental Management</i> , 2018, 213, 549-554.	7.8	18
46	Micropore Structure of Activated Carbons Prepared From a Spanish Subbituminous Coal Studied by CO ₂ , Benzene, and Cyclohexane Adsorption. <i>Langmuir</i> , 1995, 11, 247-252.	3.5	17
47	Halide removal from water using silver doped magnetic-microparticles. <i>Journal of Environmental Management</i> , 2020, 253, 109731.	7.8	15
48	Influence of operational parameters on photocatalytic amitrole degradation using nickel organic xerogel under UV irradiation. <i>Arabian Journal of Chemistry</i> , 2018, 11, 564-572.	4.9	13
49	Degradation of the diuretic hydrochlorothiazide by UV/Solar radiation assisted oxidation processes. <i>Journal of Environmental Management</i> , 2020, 257, 109973.	7.8	13
50	Solar Degradation of Sulfamethazine Using rGO/Bi Composite Photocatalysts. <i>Catalysts</i> , 2020, 10, 573.	3.5	13
51	Manganese ferrite solid nanospheres solvothermally synthesized as catalyst for peroxydisulfate activation to degrade and mineralize para-nitrophenol: Study of operational variables and catalyst reutilization. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105192.	6.7	13
52	Competitive adsorption of the herbicide fluroxypyr and tannic acid from distilled and tap water on activated carbons and their thermal desorption. <i>Adsorption</i> , 2012, 18, 173-179.	3.0	12
53	Extra-Heavy Crude Oil Viscosity Reduction Using and Reusing Magnetic Copper Ferrite Nanospheres. <i>Processes</i> , 2021, 9, 175.	2.8	12
54	Effect of operational parameters on photocatalytic degradation of ethylparaben using rGO/TiO ₂ composite under UV radiation. <i>Environmental Research</i> , 2021, 200, 111750.	7.5	12

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55	Demineralization of a bituminous coal by froth flotation before obtaining activated carbons. <i>Carbon</i> , 1996, 34, 917-921.	10.3	11
56	Life Cycle Assessment of Cement Production with Marble Waste Sludges. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10968.	2.6	11
57	Copper ferrite nanospheres composites mixed with carbon black to boost the oxygen reduction reaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126060.	4.7	9
58	Hybrid Xerogels: Study of the Sol-Gel Process and Local Structure by Vibrational Spectroscopy. <i>Polymers</i> , 2021, 13, 2082.	4.5	9
59	Phenol Adsorption from Dilute Aqueous Solutions by Carbons. <i>Chimia</i> , 2003, 57, 616-618.	0.6	8
60	Characteristics and Behavior of Different Catalysts Used for Water Decontamination in Photooxidation and Ozonation Processes. <i>Catalysts</i> , 2020, 10, 1485.	3.5	7
61	Marble Waste Sludges as Effective Nanomaterials for Cu (II) Adsorption in Aqueous Media. <i>Nanomaterials</i> , 2021, 11, 2305.	4.1	6
62	Growth and spontaneous differentiation of umbilical-cord stromal stem cells on activated carbon cloth. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3359.	5.8	5
63	New Technologies to Remove Halides from Water: An Overview. <i>Nanotechnology in the Life Sciences</i> , 2019, , 147-180.	0.6	5
64	Fenton oxidation of gallic and p-coumaric acids in water assisted by an activated carbon cloth. <i>Water Science and Technology</i> , 2015, 71, 789-794.	2.5	4
65	Novel Organochlorinated Xerogels: From Microporous Materials to Ordered Domains. <i>Polymers</i> , 2021, 13, 1415.	4.5	3
66	Electrocatalytic activity of calcined manganese ferrite solid nanospheres in the oxygen reduction reaction. <i>Environmental Research</i> , 2022, 204, 112126.	7.5	2
67	2-tert-Butylamino-4-chloro-6-ethylamino-1,3,5-triazine: a structure with $Z = 4$ containing two different molecular conformations and two independent chains of hydrogen-bonded R ²² (8) rings. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008, 64, o463-o466.	0.4	1
68	Photocatalytic Degradation of Organic Wastes in Water. <i>Catalysts</i> , 2022, 12, 114.	3.5	1
69	Adsorption Kinetics of Fluroxypyr Herbicide in Aqueous Solution onto Granular Activated Carbon. <i>Separation Science and Technology</i> , 2011, 46, 1582-1590.	2.5	0
70	Remediation of water polluted with model endocrine disruptors based on adsorption processes. , 2021, , 75-112.		0