Carmen FernÃ¡ndez-GonzÃ¡lez

List of Publications by Year
in descending order

45 papers	2,100 citations	279487 23 h-index	243296 44 g-index
45 all docs	45 docs citations	45 times ranked	2658 citing authors

#	Article	IF	Citations
1	Advanced Oxidation Processes for the Removal of Antibiotics from Water. An Overview. Water (Switzerland), 2020, 12, 102.	1.2	381
2	Cherry stones as precursor of activated carbons for supercapacitors. Materials Chemistry and Physics, 2009, 114, 323-327.	2.0	180
3	Preparation of activated carbon from cherry stones by chemical activation with ZnCl2. Applied Surface Science, 2006, 252, 5967-5971.	3.1	165
4	Preparation of activated carbon from cherry stones by physical activation in air. Influence of the chemical carbonisation with H2SO4. Journal of Analytical and Applied Pyrolysis, 2012, 94, 131-137.	2.6	89
5	Preparation of activated carbons from cherry stones by activation with potassium hydroxide. Applied Surface Science, 2006, 252, 5980-5983.	3.1	81
6	Preparation of high-quality activated carbon from polyethyleneterephthalate (PET) bottle waste. Its use in the removal of pollutants in aqueous solution. Journal of Environmental Management, 2016, 181, 522-535.	3.8	78
7	FT-IR Analysis of Pyrone and Chromene Structures in Activated Carbon. Energy & Fuels, 2014, 28, 4096-4103.	2.5	76
8	Adsorption of mercury by carbonaceous adsorbents prepared from rubber of tyre wastes. Journal of Hazardous Materials, 2005, 119, 231-238.	6.5	70
9	Preparation and textural characterisation of activated carbon from vine shoots (Vitis vinifera) by H3PO4â€"Chemical activation. Applied Surface Science, 2006, 252, 5961-5966.	3.1	69
10	Electrical conductivity of activated carbonâ€"metal oxide nanocomposites under compression: a comparison study. Physical Chemistry Chemical Physics, 2014, 16, 25161-25175.	1.3	65
11	Thermal behaviour of lignocellulosic material in the presence of phosphoric acid. Influence of the acid content in the initial solution. Carbon, 2006, 44, 2347-2350.	5.4	64
12	Porous Structure of Activated Carbon Prepared from Cherry Stones by Chemical Activation with Phosphoric Acid. Energy & Fuels, 2007, 21, 2942-2949.	2.5	57
13	Development of adsorbents from used tire rubber. Fuel Processing Technology, 2011, 92, 206-212.	3.7	50
14	Preparation of mesoporous and macroporous materials from rubber of tyre wastes. Microporous and Mesoporous Materials, 2004, 67, 35-41.	2.2	44
15	Preparation of activated carbons from olive-tree wood revisited. I. Chemical activation with H3PO4. Fuel Processing Technology, 2011, 92, 261-265.	3.7	44
16	Temperature dependence of the electrical conductivity of activated carbons prepared from vine shoots by physical and chemical activation methods. Microporous and Mesoporous Materials, 2015, 209, 90-98.	2.2	44
17	Development of activated carbon from vine shoots by physical andÂchemical activation methods. Some insight into activation mechanisms. Adsorption, 2011, 17, 621-629.	1.4	43
18	The development of an activated carbon from cherry stones and its use in the removal of ochratoxin A from red wine. Food Control, 2009, 20, 298-303.	2.8	42

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19	Preparation of activated carbon-metal oxide hybrid catalysts: textural characterization. Fuel Processing Technology, 2014, 126, 95-103.	3.7	40
20	Preparation of Activated Carbon-SnO₂, TiO₂, and WO₃ Catalysts. Study by FT-IR Spectroscopy. Industrial & Engineering Chemistry Research, 2016, 55, 5200-5206.	1.8	38
21	Adsorption of cadmium on carbonaceous adsorbents developed from used tire rubber. Journal of Environmental Management, 2011, 92, 2193-2200.	3.8	37
22	Preparation of activated carbons from olive-tree wood revisited. II. Physical activation with air. Fuel Processing Technology, 2011, 92, 266-270.	3.7	35
23	Activated carbon surface chemistry: Changes upon impregnation with Al(III), Fe(III) and Zn(II)-metal oxide catalyst precursors from NO3âˆ’ aqueous solutions. Arabian Journal of Chemistry, 2019, 12, 3963-3976.	2.3	34
24	Adsorption of bisphenol A by activated carbon developed from PET waste by KOH activation. Environmental Science and Pollution Research, 2021, 28, 24342-24354.	2.7	27
25	Devulcanization and Demineralization of Used Tire Rubber by Thermal Chemical Methods: A Study by X-ray Diffraction. Energy & Fuels, 2010, 24, 3401-3409.	2.5	24
26	Development of Activated Carbon Using Vine Shoots (Vitis Vinifera) and Its Use for Wine Treatment. Journal of Agricultural and Food Chemistry, 2005, 53, 644-650.	2.4	23
27	Preparation and Microstructural Characterization of Activated Carbon-Metal Oxide Hybrid Catalysts: New Insights into Reaction Paths. Journal of Materials Science and Technology, 2015, 31, 806-814.	5.6	22
28	Uptake of lead by carbonaceous adsorbents developed fromÂ tireÂ rubber. Adsorption, 2008, 14, 591-600.	1.4	20
29	Adsorption kinetics of zinc in multicomponent ionic systems. Journal of Colloid and Interface Science, 2004, 277, 292-298.	5.0	19
30	On the use of a natural peat for the removal of Cr(VI) from aqueous solutions. Journal of Colloid and Interface Science, 2012, 386, 325-332.	5.0	19
31	Catalysis by alkali and alkaline-earth metals of the gasification in CO2 and steam of chars from a semi-anthracite with high inorganic matter content. Fuel, 1987, 66, 216-222.	3.4	16
32	The characterization of surface properties and steam reactivities of two Spanish coals of high ash content. Fuel, 1986, 65, 991-996.	3.4	14
33	Temperature dependence of dc electrical conductivity of activated carbonâ€“metal oxide nanocomposites. Some insight into conduction mechanisms. Journal of Physics and Chemistry of Solids, 2015, 87, 259-270.	1.9	14
34	Adsorption of mercury from single and multicomponent metal systems on activated carbon developed from cherry stones. Adsorption, 2008, 14, 601-610.	1.4	12
35	Activated carbon from cherry stones by chemical activation: Influence of the impregnation method on porous structure. Journal of Wood Chemistry and Technology, 2017, 37, 148-162.	0.9	11
36	Preparation of activated carbon-metal (hydr) oxide materials by thermal methods. Thermogravimetric-mass spectrometric (TG-MS) analysis. Journal of Analytical and Applied Pyrolysis, 2015, 116, 243-252.	2.6	8

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37	Particle size distribution and morphological changes in activated carbonâ€metal oxide hybrid catalysts prepared under different heating conditions. Journal of Microscopy, 2016, 261, 227-242.	0.8	8
38	The influence of the impregnation method on yield of activated carbon produced by H3PO4 activation. Materials Letters, 2011, 65, 1423-1426.	1.3	7
39	Electrical conductivity of metal (hydr)oxideâ€“activated carbon composites under compression. A comparison study. Materials Chemistry and Physics, 2015, 152, 113-122.	2.0	7
40	Physico-chemical characterization of activated carbonâ€“metal oxide photocatalysts by immersion calorimetry in benzene and water. Journal of Thermal Analysis and Calorimetry, 2016, 125, 65-74.	2.0	7
41	Catalysis by alkali and alkaline earth metals of the gasification in CO2 and in steam of chars from a bituminous coal with high inorganic matter content. Thermochimica Acta, 1988, 125, 79-88.	1.2	6
42	Monitoring of Zn(II) and Cd(II) adsorption on activated carbon from aqueous multicomponent solutions by differential pulse polarography (DPP). International Journal of Environmental Analytical Chemistry, 2005, 85, 1051-1063.	1.8	4
43	Adsorption Isotherms of Methylene Blue in Aqueous Solution onto Activated Carbons Developed from Vine Shoots (<i>Vitis Vinifera</i>) by Physical and Chemical Methods. Adsorption Science and Technology, 2010, 28, 751-759.	1.5	4
44	Surface morphological characterization of activated carbon-metal (hydr)oxide composites: some insights into the role of the precursor chemistry in aqueous solution. Journal of Dispersion Science and Technology, 2020, 41, 1743-1753.	1.3	2
45	Shock Resistance and Compression Analysis of Concrete in Expanded Polystyrene Formworks (EPSFWs). Materials Science Forum, 0, 636-637, 287-292.	0.3	0