Ana B GarcÃ-a

List of Publications by Year in descending order

50 papers	1,574 citations	236612 25 h-index	301761 39 g-index
50 all docs	50 docs citations	50 times ranked	1886 citing authors

#	Article	IF	Citations
1	Graphitization thermal treatment of carbon nanofibers. Carbon, 2013, 59, 2-32.	5.4	96
2	Efficient microwave-assisted production of furfural from C5 sugars in aqueous media catalysed by BrÃ¶nsted acidic ionic liquids. Catalysis Science and Technology, 2012, 2, 1828.	2.1	87
3	Coal recovery from coal fines cleaning wastes by agglomeration with vegetable oils: effects of oil type and concentration. Fuel, 1999, 78, 753-759.	3.4	67
4	Graphite materials prepared by HTT of unburned carbon from coal combustion fly ashes: Performance as anodes in lithium-ion batteries. Journal of Power Sources, 2011, 196, 4816-4820.	4.0	66
5	Graphite Materials Prepared from an Anthracite:â€‰ A Structural Characterization. Energy & Fuels, 2003, 17, 1324-1329.	2.5	64
6	Structural Characterization of Graphite Materials Prepared from Anthracites of Different Characteristics:â€‰ A Comparative Analysis. Energy & Fuels, 2004, 18, 365-370.	2.5	62
7	Graphitized boron-doped carbon foams: Performance as anodes in lithium-ion batteries. Electrochimica Acta, 2011, 56, 5090-5094.	2.6	62
8	Optical Parameters as a Tool To Study the Microstructural Evolution of Carbonized Anthracites during High-Temperature Treatment. Energy & Fuels, 2007, 21, 2935-2941.	2.5	57
9	Development of graphite-like particles from the high temperature treatment of carbonized anthracites. International Journal of Coal Geology, 2011, 85, 219-226.	1.9	57
10	Hydrocolloids as binders for graphite anodes of lithium-ion batteries. Electrochimica Acta, 2015, 155, 140-147.	2.6	57
11	On the utilization of waste vegetable oils (WVO) as agglomerants to recover coal from coal fines cleaning wastes (CFCW). Fuel, 2006, 85, 607-614.	3.4	49
12	Cleaning of Spanish high-rank coals by agglomeration with vegetable oils. Fuel, 1996, 75, 885-890.	3.4	47
13	Influence of Inherent Coal Mineral Matter on the Structural Characteristics of Graphite Materials Prepared from Anthracites. Energy & Fuels, 2005, 19, 263-269.	2.5	47
14	Versatile dual hydrogenationâ€“oxidation nanocatalysts for the aqueous transformation of biomass-derived platform molecules. Green Chemistry, 2012, 14, 1434.	4.6	47
15	Carbon-supported Ru and Pd nanoparticles: Efficient and recyclable catalysts for the aerobic oxidation of benzyl alcohol in water. Microporous and Mesoporous Materials, 2012, 153, 155-162.	2.2	47
16	A study of the evolution of the physicochemical and structural characteristics of olive and sunflower oils after heating at frying temperatures. Food Chemistry, 2006, 98, 214-219.	4.2	45
17	Stereocomplementary synthesis of a natural product-derived compound collection on a solid phase. Chemical Communications, 2006, , 3868-3870.	2.2	44
18	Effects of oil concentration and particle size on the cleaning of Spanish high-rank coals by agglomeration with n-heptane. Fuel, 1995, 74, 1692-1697.	3.4	35

#	Article	IF	Citations
19	Is single layer graphene a promising anode for sodium-ion batteries?. Electrochimica Acta, 2015, 178, 392-397.	2.6	35
20	Expanded graphitic materials prepared from micro- and nanometric precursors as anodes for sodium-ion batteries. Electrochimica Acta, 2016, 187, 496-507.	2.6	33
21	Structural Study of Graphite Materials Prepared by HTT of Unburned Carbon Concentrates from Coal Combustion Fly Ashes. Energy & Fuels, 2008, 22, 1239-1243.	2.5	32
22	Few layer graphene synthesis on transition metal ferrite catalysts. Carbon, 2015, 89, 350-360.	5.4	32
23	Comparative performance of impregnated molybdenum-sulphur catalysts in hydrogenation of Spanish lignite. Fuel, 1989, 68, 1613-1616.	3.4	30
24	Efficient and recyclable carbon-supported Pd nanocatalysts for the Suzukiâ€"Miyaura reaction in aqueous-based media: Microwave vs conventional heating. Applied Catalysis A: General, 2013, 468, 59-67.	2.2	29
25	Graphitic carbon foams as anodes for sodium-ion batteries in glyme-based electrolytes. Electrochimica Acta, 2018, 270, 236-244.	2.6	27
26	Graphitized carbon nanofibers for use as anodes in lithium-ion batteries: Importance of textural and structural properties. Journal of Power Sources, 2012, 198, 303-307.	4.0	25
27	Temperature-programmed oxidation studies of carbon materials prepared from anthracites by high temperature treatment. Materials Chemistry and Physics, 2007, 101, 137-141.	2.0	23
28	High-Resolution Transmission Electron Microscopy Studies of Graphite Materials Prepared by High-Temperature Treatment of Unburned Carbon Concentrates from Combustion Fly Ashes. Energy & Fuels, 2009, 23, 942-950.	2.5	23
29	The graphitization of carbon nanofibers produced by catalytic decomposition of methane: Synergetic effect of the inherent Ni and Si. Fuel, 2010, 89, 2160-2162.	3.4	22
30	Graphitized biogas-derived carbon nanofibers as anodes for lithium-ion batteries. Electrochimica Acta, 2016, 222, 264-270.	2.6	22
31	Influence of weathering process on the flotation response of coal. Fuel, 1991, 70, 1391-1397.	3.4	20
32	Influence of the inherent metal species on the graphitization of methane-based carbon nanofibers. Carbon, 2012, 50, 5387-5394.	5.4	19
33	Evaluation of mercury associations in two coals of different rank using physical separation procedures. Fuel, 2006, 85, 1389-1395.	3.4	18
34	Removal of trace elements from Spanish coals by flotation. Fuel, 1993, 72, 329-335.	3.4	15
35	Graphitized stacked-cup carbon nanofibers as anode materials for lithium-ion batteries. Electrochimica Acta, 2014, 146, 769-775.	2.6	15
36	Dispersion of aluminum hydroxide coated Si3N4 powders with ammonium polyacrylate dispersant. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 181, 69-78.	2.3	14

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37	Carbon-supported Palladium and Ruthenium Nanoparticles: Application as Catalysts in Alcohol Oxidation, Cross-coupling and Hydrogenation Reactions. Recent Patents on Nanotechnology, 2013, 7, 247-264.	0.7	14
38	Effects of organic sulfur content on thermolysis and hydrogenolysis of lignites. Fuel Processing Technology, 1990, 24, 179-185.	3.7	13
39	The removal of trace elements from Spanish high rank coals by a selective agglomeration process. Fuel, 1994, 73, 1189-1196.	3.4	12
40	Chemical stability of choline-based ionic liquids supported on carbon materials. Journal of Molecular Liquids, 2012, 169, 37-42.	2.3	12
41	Carbon-supported ironâ€"ionic liquid: an efficient and recyclable catalyst for benzylation of 1,3-dicarbonyl compounds with alcohols. Green Chemistry, 2014, 16, 4306-4311.	4.6	10
42	Catalytic hydrodesulfurization of a high organic sulfur turkish lignite: Amount, form, and mechanism of sulfur removal. Fuel Processing Technology, 1990, 26, 99-109.	3.7	9
43	Carbons supported bio-ionic liquids: Stability and catalytic activity. Microporous and Mesoporous Materials, 2011, 144, 205-208.	2.2	8
44	Study of the changes in i.r. spectra bands of coal after reductive alkylation. Fuel, 1987, 66, 1715-1719.	3.4	6
45	Sustainable Graphitic Carbon Materials from Biogas as Anodes for Sodium-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A403-A409.	1.3	6
46	A promising silicon/carbon xerogel composite for high-rate and high-capacity lithium-ion batteries. Electrochimica Acta, 2022, 426, 140790.	2.6	5
47	Anodic Rate Performance in Lithium-Ion Batteries of Graphite Materials Based on Carbonaceous Wastes. Journal of the Electrochemical Society, 2014, 161, A2026-A2030.	1.3	3
48	Graphitic biogas-derived nanofibers as cathodes for sodium dual-ion batteries: Intercalation of PF6â^' anions. Electrochemistry Communications, 2021, 128, 107075.	2.3	3
49	Ammonium polyacrylate adsorption on â€œaluminium hydroxides and oxyhydroxideâ€•coated silicon nitride powders. Ceramics International, 2000, 26, 551-559.	2.3	2
50	Silicon/Biogas-Derived Carbon Nanofibers Composites for Anodes of Lithium-Ion Batteries. Journal of Carbon Research, 2020, 6, 25.	1.4	1