AdriÃ¡n Barroso Bogeat

List of Publications by Year
in descending order

20 papers	474 citations	933264 10 h-index	794469 19 g-index
20 all docs	20 docs citations	20 times ranked	827 citing authors

#	Article	IF	Citations
1	Understanding and Tuning the Electrical Conductivity of Activated Carbon: A State-of-the-Art Review. Critical Reviews in Solid State and Materials Sciences, 2021, 46, 1-37.	6.8	51
2	Thermocatalytic CO2 Conversion over a Nickel-Loaded Ceria Nanostructured Catalyst: A NAP-XPS Study. Materials, 2021, 14, 711.	1.3	12
3	Tailoring CO2 adsorption and activation properties of ceria nanocubes by coating with nanometre-thick yttria layers. Surfaces and Interfaces, 2021, 26, 101353.	1.5	0
4	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
5	Tuning the Integration Rate of Ce(Ln)O2 Nanoclusters into Nanoparticulated ZrO2 Supports: When the Cation Size Matters. Materials, 2020, 13, 2818.	1.3	1
6	Activated carbon surface chemistry: Changes upon impregnation with Al(III), Fe(III) and Zn(II)-metal oxide catalyst precursors from NO3â^' aqueous solutions. Arabian Journal of Chemistry, 2019, 12, 3963-3976.	2.3	34
7	Surface and redox characterization of new nanostructured ZrO₂@CeO₂ systems with potential catalytic applications. Surface and Interface Analysis, 2018, 50, 1025-1029.	0.8	10
8	A single slice approach for simulating two-beam electron diffraction of nanocrystals. Ultramicroscopy, 2018, 195, 171-188.	0.8	2
9	Methanation of carbon dioxide over ceria-praseodymia promoted Ni-alumina catalysts. Influence of metal loading, promoter composition and alumina modifier. Fuel, 2018, 234, 1401-1413.	3.4	33
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	Electrical conductivity of activated carbonâ€“metal oxide nanocomposites under compression: a comparison study. Physical Chemistry Chemical Physics, 2014, 16, 25161-25175.	1.3	65

#	Article	IF	Citations
19	Preparation of activated carbon-metal oxide hybrid catalysts: textural characterization. Fuel Processing Technology, 2014, 126, 95-103.	3.7	40
20	FT-IR Analysis of Pyrone and Chromene Structures in Activated Carbon. Energy & Fuels, 2014, 28, 4096-4103.	2.5	76