D Lozano-Castello

List of Publications by Year in Descending Order

32 papers	4,129 citations	23 h-index	32 g-index
32 ext. papers	4,390 ext. citations	8 avg, IF	5 L-index

#	Paper	IF	Citations
32	Characterization of a zeolite-templated carbon by electrochemical quartz crystal microbalance and in situ Raman spectroscopy. *Carbon*, **2015**, 89, 63-73	10.4	20
31	Investigation of Pd nanoparticles supported on zeolites for hydrogen production from formic acid dehydrogenation. *Catalysis Science and Technology*, **2015**, 5, 364-371	5.5	86
30	New insights on electrochemical hydrogen storage in nanoporous carbons by in situ Raman spectroscopy. *Carbon*, **2014**, 69, 401-408	10.4	35
29	Tailoring the porosity of chemically activated hydrothermal carbons: Influence of the precursor and hydrothermal carbonization temperature. *Carbon*, **2013**, 62, 346-355	10.4	165
28	Asymmetric hybrid capacitors based on activated carbon and activated carbon fibre–PANI electrodes. *Electrochimica Acta*, **2013**, 89, 326-333	6.7	82
27	Relevance of porosity and surface chemistry of superactivated carbons in capacitors. *Tanso*, **2013**, 2013, 41-47	0.1	6
26	Characterization of activated carbon fiber/polyaniline materials by position-resolved microbeam small-angle X-ray scattering. *Carbon*, **2012**, 50, 1051-1056	10.4	23
25	Monolithic Carbon Molecular Sieves from activated bituminous coal impregnated with a slurry of coal tar pitch. *Fuel Processing Technology*, **2012**, 95, 67-72	7.2	17
24	Kinetics of Double-Layer Formation: Influence of Porous Structure and Pore Size Distribution *Energy & Fuels*, **2010**, 24, 3378-3384	4.1	30
23	Characteristics of an activated carbon monolith for a helium adsorption compressor. *Carbon*, **2010**, 48, 123-131	10.4	14
22	Measuring cycle efficiency and capacitance of chemically activated carbons in propylene carbonate. *Carbon*, **2010**, 48, 1451-1456	10.4	35
21	Fundamentals of methane adsorption in microporous carbons. *Microporous and Mesoporous Materials*, **2009**, 124, 110-116	5.3	70
20	Application of Non-crystalline Diffraction with Microfocus to Carbon Fibres. *Lecture Notes in Physics* , **2009**, 199-216	0.8	1
19	Hydrogen storage on chemically activated carbons and carbon nanomaterials at high pressures. *Carbon*, **2007**, 45, 293-303	10.4	379
18	Carbon activation with KOH as explored by temperature programmed techniques, and the effects of hydrogen. *Carbon*, **2007**, 45, 2529-2536	10.4	254
17	Chemical and electrochemical characterization of porous carbon materials. *Carbon*, **2006**, 44, 2642-2651	10.4	190
16	Carbon coated monoliths as support material for a lactase from Aspergillus oryzae: Characterization and design of the carbon carriers. *Carbon*, **2006**, 44, 3053-3063	10.4	16

15	Comparative characterization study of microporous carbons by HRTEM image analysis and gas adsorption. *Journal of Physical Chemistry B*, **2005**, 109, 15032-6	3.4	14
14	Adsorption properties of carbon molecular sieves prepared from an activated carbon by pitch pyrolysis. *Carbon*, **2005**, 43, 1643-1651	10.4	42
13	Role of surface chemistry on electric double layer capacitance of carbon materials. *Carbon*, **2005**, 43, 2677-2684	10.4	329
12	Usefulness of CO2 adsorption at 273 K for the characterization of porous carbons. *Carbon*, **2004**, 42, 1233-1242	10.4	281
11	Influence of pore structure and surface chemistry on electric double layer capacitance in non-aqueous electrolyte. *Carbon*, **2003**, 41, 1765-1775	10.4	382
10	Can highly activated carbons be prepared with a homogeneous micropore size distribution?. *Fuel Processing Technology*, **2002**, 77-78, 325-330	7.2	21
9	Advances in the study of methane storage in porous carbonaceous materials. *Fuel*, **2002**, 81, 1777-1803	7.1	330
8	Influence of pore size distribution on methane storage at relatively low pressure: preparation of activated carbon with optimum pore size. *Carbon*, **2002**, 40, 989-1002	10.4	178
7	Characterization of pore distribution in activated carbon fibers by microbeam small angle X-ray scattering. *Carbon*, **2002**, 40, 2727-2735	10.4	41
6	Activated carbon monoliths for methane storage: influence of binder. *Carbon*, **2002**, 40, 2817-2825	10.4	139
5	Micropore Size Distributions of Activated Carbons and Carbon Molecular Sieves Assessed by High-Pressure Methane and Carbon Dioxide Adsorption Isotherms. *Journal of Physical Chemistry B*, **2002**, 106, 9372-9379	3.4	50
4	Powdered Activated Carbons and Activated Carbon Fibers for Methane Storage: A Comparative Study. *Energy & Fuels*, **2002**, 16, 1321-1328	4.1	111
3	Preparation of activated carbons from Spanish anthracite. *Carbon*, **2001**, 39, 741-749	10.4	537
2	Preparation of activated carbons from Spanish anthracite. *Carbon*, **2001**, 39, 751-759	10.4	232
1	In situ small angle neutron scattering study of CD4 adsorption under pressure in activated carbons. *Carbon*, **2001**, 39, 1343-1354	10.4	19