

# D Lozano-Castello

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Preparation of activated carbons from Spanish anthracite. <i>Carbon</i> , <b>2001</b> , 39, 741-749	10.4	537
31	Influence of pore structure and surface chemistry on electric double layer capacitance in non-aqueous electrolyte. <i>Carbon</i> , <b>2003</b> , 41, 1765-1775	10.4	382
30	Hydrogen storage on chemically activated carbons and carbon nanomaterials at high pressures. <i>Carbon</i> , <b>2007</b> , 45, 293-303	10.4	379
29	Advances in the study of methane storage in porous carbonaceous materials. <i>Fuel</i> , <b>2002</b> , 81, 1777-1803	7.1	330
28	Role of surface chemistry on electric double layer capacitance of carbon materials. <i>Carbon</i> , <b>2005</b> , 43, 2677-2684	10.4	329
27	Usefulness of CO <sub>2</sub> adsorption at 273 K for the characterization of porous carbons. <i>Carbon</i> , <b>2004</b> , 42, 1233-1242	10.4	281
26	Carbon activation with KOH as explored by temperature programmed techniques, and the effects of hydrogen. <i>Carbon</i> , <b>2007</b> , 45, 2529-2536	10.4	254
25	Preparation of activated carbons from Spanish anthracite. <i>Carbon</i> , <b>2001</b> , 39, 751-759	10.4	232
24	Chemical and electrochemical characterization of porous carbon materials. <i>Carbon</i> , <b>2006</b> , 44, 2642-2651	10.4	190
23	Influence of pore size distribution on methane storage at relatively low pressure: preparation of activated carbon with optimum pore size. <i>Carbon</i> , <b>2002</b> , 40, 989-1002	10.4	178
22	Tailoring the porosity of chemically activated hydrothermal carbons: Influence of the precursor and hydrothermal carbonization temperature. <i>Carbon</i> , <b>2013</b> , 62, 346-355	10.4	165
21	Activated carbon monoliths for methane storage: influence of binder. <i>Carbon</i> , <b>2002</b> , 40, 2817-2825	10.4	139
20	Powdered Activated Carbons and Activated Carbon Fibers for Methane Storage: A Comparative Study. <i>Energy &amp; Fuels</i> , <b>2002</b> , 16, 1321-1328	4.1	111
19	Investigation of Pd nanoparticles supported on zeolites for hydrogen production from formic acid dehydrogenation. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 364-371	5.5	86
18	Asymmetric hybrid capacitors based on activated carbon and activated carbon fibreBANI electrodes. <i>Electrochimica Acta</i> , <b>2013</b> , 89, 326-333	6.7	82
17	Fundamentals of methane adsorption in microporous carbons. <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 124, 110-116	5.3	70
16	Micropore Size Distributions of Activated Carbons and Carbon Molecular Sieves Assessed by High-Pressure Methane and Carbon Dioxide Adsorption Isotherms. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 9372-9379	3.4	50

15	Adsorption properties of carbon molecular sieves prepared from an activated carbon by pitch pyrolysis. <i>Carbon</i> , <b>2005</b> , 43, 1643-1651	10.4	42
14	Characterization of pore distribution in activated carbon fibers by microbeam small angle X-ray scattering. <i>Carbon</i> , <b>2002</b> , 40, 2727-2735	10.4	41
13	New insights on electrochemical hydrogen storage in nanoporous carbons by in situ Raman spectroscopy. <i>Carbon</i> , <b>2014</b> , 69, 401-408	10.4	35
12	Measuring cycle efficiency and capacitance of chemically activated carbons in propylene carbonate. <i>Carbon</i> , <b>2010</b> , 48, 1451-1456	10.4	35
11	Kinetics of Double-Layer Formation: Influence of Porous Structure and Pore Size Distribution□ <i>Energy &amp; Fuels</i> , <b>2010</b> , 24, 3378-3384	4.1	30
10	Characterization of activated carbon fiber/polyaniline materials by position-resolved microbeam small-angle X-ray scattering. <i>Carbon</i> , <b>2012</b> , 50, 1051-1056	10.4	23
9	Can highly activated carbons be prepared with a homogeneous micropore size distribution?. <i>Fuel Processing Technology</i> , <b>2002</b> , 77-78, 325-330	7.2	21
8	Characterization of a zeolite-templated carbon by electrochemical quartz crystal microbalance and in situ Raman spectroscopy. <i>Carbon</i> , <b>2015</b> , 89, 63-73	10.4	20
7	In situ small angle neutron scattering study of CD4 adsorption under pressure in activated carbons. <i>Carbon</i> , <b>2001</b> , 39, 1343-1354	10.4	19
6	Monolithic Carbon Molecular Sieves from activated bituminous coal impregnated with a slurry of coal tar pitch. <i>Fuel Processing Technology</i> , <b>2012</b> , 95, 67-72	7.2	17
5	Carbon coated monoliths as support material for a lactase from <i>Aspergillus oryzae</i> : Characterization and design of the carbon carriers. <i>Carbon</i> , <b>2006</b> , 44, 3053-3063	10.4	16
4	Characteristics of an activated carbon monolith for a helium adsorption compressor. <i>Carbon</i> , <b>2010</b> , 48, 123-131	10.4	14
3	Comparative characterization study of microporous carbons by HRTEM image analysis and gas adsorption. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 15032-6	3.4	14
2	Relevance of porosity and surface chemistry of superactivated carbons in capacitors. <i>Tanso</i> , <b>2013</b> , 2013, 41-47	0.1	6
1	Application of Non-crystalline Diffraction with Microfocus to Carbon Fibres. <i>Lecture Notes in Physics</i> , <b>2009</b> , 199-216	0.8	1