

# Angel Linares-Solano

## List of Publications by Year in descending order

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68  
papers

6,373  
citations

94433

37  
h-index

102487

66  
g-index

70  
all docs

70  
docs citations

70  
times ranked

6563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-Adsorbing Nanoporous Carbons. , 2016, , 465-486.		0
2	Sorbent design for CO2 capture under different flue gas conditions. Carbon, 2014, 72, 125-134.	10.3	49
3	Gas storage scale-up at room temperature on high density carbon materials. Carbon, 2014, 76, 123-132.	10.3	33
4	Adsorbent density impact on gas storage capacities. Microporous and Mesoporous Materials, 2013, 173, 47-52.	4.4	19
5	Activated Carbon Fibers. , 2013, , 155-169.		6
6	Advances in Hydrogen Storage in Carbon Materials. , 2013, , 269-291.		8
7	Carbon nanofibres as substrates for the preparation of TiO2 nanostructured photocatalysts. Applied Catalysis B: Environmental, 2012, 127, 291-299.	20.2	18
8	Hydrothermal and conventional H3PO4 activation of two natural bio-fibers. Carbon, 2012, 50, 3158-3169.	10.3	54
9	MCM-41 Porosity: Are Surface Corrugations Micropores?. Adsorption Science and Technology, 2011, 29, 443-455.	3.2	7
10	Benzene and toluene adsorption at low concentration on activated carbon fibres. Adsorption, 2011, 17, 473-481.	3.0	110
11	Deeping into the microporosity of porous silicates Ti- and Sn-umbite. Microporous and Mesoporous Materials, 2011, 142, 649-654.	4.4	3
12	Use of thermoplastic polyurethane elastomers in the preparation of fabric/activated carbon composites. Journal of Applied Polymer Science, 2010, 118, 3509-3517.	2.6	4
13	New insights on the direct activation of isotropic petroleum pitch by alkaline hydroxides. Fuel Processing Technology, 2010, 91, 145-149.	7.2	10
14	Regeneration of activated carbons saturated with benzene or toluene using an oxygen-containing atmosphere. Chemical Engineering Science, 2010, 65, 2190-2198.	3.8	42
15	Evidence for the presence of cyanide during carbon activation by KOH. Carbon, 2010, 48, 1032-1037.	10.3	15
16	Spherical activated carbons for low concentration toluene adsorption. Carbon, 2010, 48, 2625-2633.	10.3	56
17	Amorphous Carbon Nanofibers and Their Activated Carbon Nanofibers as Supercapacitor Electrodes. Journal of Physical Chemistry C, 2010, 114, 10302-10307.	3.1	240
18	Removal of odour-causing compounds using carbonaceous adsorbents/catalysts prepared from sewage sludge. Water Science and Technology, 2009, 59, 1371-1376.	2.5	12

#	ARTICLE	IF	CITATIONS
19	Amorphous carbon nanofibres inducing high specific capacitance of deposited hydrous ruthenium oxide. <i>Electrochimica Acta</i> , 2009, 54, 7452-7457.	5.2	29
20	Enhanced methane storage of chemically and physically activated carbide-derived carbon. <i>Journal of Power Sources</i> , 2009, 191, 560-567.	7.8	111
21	Isotropic petroleum pitch as a carbon precursor for the preparation of activated carbons by KOH activation. <i>Carbon</i> , 2009, 47, 2141-2142.	10.3	37
22	TiO <sub>2</sub> nanotubes and CNT@TiO <sub>2</sub> hybrid materials for the photocatalytic oxidation of propene at low concentration. <i>Applied Catalysis B: Environmental</i> , 2009, 92, 377-383.	20.2	149
23	Activated Carbons for the Removal of Low-Concentration Gaseous Toluene at the Semipilot Scale. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 2066-2075.	3.7	28
24	Capacitance of KOH activated carbide-derived carbons. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4943.	2.8	89
25	Advanced activated carbon monoliths and activated carbons for hydrogen storage. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 235-242.	4.4	117
26	Understanding RuO <sub>2</sub> ·xH <sub>2</sub> O/carbon nanofibre composites as supercapacitor electrodes. <i>Journal of Power Sources</i> , 2008, 176, 417-425.	7.8	82
27	Photocatalytic activity of TiO <sub>2</sub> -based materials for the oxidation of propene and benzene at low concentration in presence of humidity. <i>Applied Catalysis B: Environmental</i> , 2008, 84, 691-698.	20.2	45
28	Carbonaceous adsorbents for NH <sub>3</sub> removal at room temperature. <i>Carbon</i> , 2008, 46, 176-178.	10.3	17
29	Effects of different carbon materials on MgH <sub>2</sub> decomposition. <i>Carbon</i> , 2008, 46, 126-137.	10.3	158
30	Further insights into the activation process of sewage sludge-based precursors by alkaline hydroxides. <i>Chemical Engineering Journal</i> , 2008, 142, 168-174.	12.7	53
31	Enhancement of the photocatalytic activity of pelletized TiO <sub>2</sub> for the oxidation of propene at low concentration. <i>Applied Catalysis B: Environmental</i> , 2008, 77, 284-293.	20.2	24
32	SO <sub>2</sub> retention on CaO/activated carbon sorbents. Part II: Effect of the activated carbon support. <i>Fuel</i> , 2008, 87, 2544-2550.	6.4	18
33	SO <sub>2</sub> retention on CaO/activated carbon sorbents. Part III. Study of the retention and regeneration conditions. <i>Fuel</i> , 2008, 87, 3170-3175.	6.4	10
34	Inorganic materials as supports for palladium nanoparticles: Application in the semi-hydrogenation of phenylacetylene. <i>Journal of Catalysis</i> , 2008, 257, 87-95.	6.2	98
35	Effects of Carbon-Supported Nickel Catalysts on MgH <sub>2</sub> Decomposition. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5984-5992.	3.1	62
36	Semihydrogenation of Phenylacetylene Catalyzed by Palladium Nanoparticles Supported on Carbon Materials. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3827-3834.	3.1	125

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37	Adsorption on Activated Carbon Fibers. , 2008, , 431-454.		12
38	Synthesis and Permeation Properties of Silicalite-1/Carbon Membranes. Industrial & Engineering Chemistry Research, 2007, 46, 3997-4006.	3.7	7
39	A New Generation of Sludge-Based Adsorbents for H <sub>2</sub> S Abatement at Room Temperature. Environmental Science & Technology, 2007, 41, 4375-4381.	10.0	68
40	SO <sub>2</sub> retention on CaO/activated carbon sorbents. Part I: Importance of calcium loading and dispersion. Fuel, 2007, 86, 677-683.	6.4	31
41	Causes of supercapacitors ageing in organic electrolyte. Journal of Power Sources, 2007, 171, 1046-1053.	7.8	348
42	Activated carbons prepared by pyrolysis of mixtures of carbon precursor/alkaline hydroxide. Journal of Analytical and Applied Pyrolysis, 2007, 80, 166-174.	5.5	131
43	Photocatalytic oxidation of propene at low concentration. Applied Catalysis B: Environmental, 2007, 71, 298-309.	20.2	30
44	Use of Water as a Solvent in Directing Hydrogenation Reactions of Aromatic Acids over Pd/carbon Nanofibre Catalysts. Catalysis Letters, 2007, 119, 16-20.	2.6	22
45	Competitive adsorption of a benzene-toluene mixture on activated carbons at low concentration. Carbon, 2006, 44, 1455-1463.	10.3	164
46	Semihydrogenation of phenylacetylene catalyzed by metallic nanoparticles containing noble metals. Journal of Catalysis, 2006, 243, 74-81.	6.2	121
47	Total oxidation of volatile organic compounds by vanadium promoted palladium-titania catalysts: Comparison of aromatic and polyaromatic compounds. Applied Catalysis B: Environmental, 2006, 62, 66-76.	20.2	82
48	Commentary on the paper "On the adsorption affinity coefficient of carbon dioxide in microporous carbons" by E.S. Bickford et al. (Carbon 2004; 42: 1867-71). Carbon, 2005, 43, 658-660.	10.3	10
49	Behaviour of activated carbons with different pore size distributions and surface oxygen groups for benzene and toluene adsorption at low concentrations. Carbon, 2005, 43, 1758-1767.	10.3	472
50	Catalytic performance in citral hydrogenation and characterization of PtSn catalysts supported on activated carbon felt and powder. Applied Catalysis A: General, 2005, 281, 247-258.	4.3	54
51	About reactions occurring during chemical activation with hydroxides. Carbon, 2004, 42, 1371-1375.	10.3	342
52	HRTEM study of activated carbons prepared by alkali hydroxide activation of anthracite. Carbon, 2004, 42, 1305-1310.	10.3	36
53	Probe Molecule Kinetic Studies of Adsorption on MCM-41. Journal of Physical Chemistry B, 2003, 107, 1012-1020.	2.6	46
54	Understanding chemical reactions between carbons and NaOH and KOH. Carbon, 2003, 41, 267-275.	10.3	1,003

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55	NO <sub>x</sub> Reduction by Potassium-Containing Coal Briquettes. Effect of Preparation Procedure and Potassium Content. Energy & Fuels, 2002, 16, 569-574.	5.1	25
56	Mechanism of Adsorption of Water in Carbon Micropores As Revealed by a Study of Activated Carbon Fibers. Journal of Physical Chemistry B, 2002, 106, 3209-3216.	2.6	88
57	Water Adsorption on Activated Carbons: A Study of Water Adsorption in Micro- and Mesopores. Journal of Physical Chemistry B, 2001, 105, 7998-8006.	2.6	69
58	Preparation of activated carbons from Spanish anthracite. Carbon, 2001, 39, 741-749.	10.3	608
59	Preparation of activated carbons from Spanish anthracite. Carbon, 2001, 39, 751-759.	10.3	256
60	Thermal treatment effect on NO reduction by potassium-containing coal-briquettes and coal-chars. Fuel Processing Technology, 1999, 61, 289-297.	7.2	15
61	NO <sub>x</sub> Reduction by Potassium-Containing Coal Briquettes. Effect of NO <sub>2</sub> Concentration. Energy & Fuels, 1999, 13, 499-505.	5.1	26
62	NO Reduction by Potassium-Containing Coal Briquettes. Effect of Mineral Matter Content and Coal Rank. Energy & Fuels, 1997, 11, 292-298.	5.1	27
63	Potassium-containing briquetted coal for the reduction of NO. Fuel, 1997, 76, 499-505.	6.4	50
64	NO Reduction by Activated Carbons. 4. Catalysis by Calcium. Energy & Fuels, 1995, 9, 112-118.	5.1	69
65	NO Reduction by Activated Carbons. 3. Influence of Catalyst Loading on the Catalytic Effect of Potassium. Energy & Fuels, 1995, 9, 104-111.	5.1	62
66	NO Reduction by Activated Carbons. 2. Catalytic Effect of Potassium. Energy & Fuels, 1995, 9, 97-103.	5.1	123
67	No reduction by activated carbons. some mechanistic aspects of uncatalyzed and catalyzed reaction. Coal Science and Technology, 1995, 24, 1799-1802.	0.0	3
68	The effect of gasification by air (623 K) or CO <sub>2</sub> (1098 K) in the development of microporosity in activated carbons. Journal of the Chemical Society Faraday Transactions I, 1987, 83, 1081.	1.0	30