

# Angel Linares-Solano

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Understanding chemical reactions between carbons and NaOH and KOH. Carbon, 2003, 41, 267-275.	10.3	1,003
2	Preparation of activated carbons from Spanish anthracite. Carbon, 2001, 39, 741-749.	10.3	608
3	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
4	Causes of supercapacitors ageing in organic electrolyte. Journal of Power Sources, 2007, 171, 1046-1053.	7.8	348
5	About reactions occurring during chemical activation with hydroxides. Carbon, 2004, 42, 1371-1375.	10.3	342
6	Preparation of activated carbons from Spanish anthracite. Carbon, 2001, 39, 751-759.	10.3	256
7	Amorphous Carbon Nanofibers and Their Activated Carbon Nanofibers as Supercapacitor Electrodes. Journal of Physical Chemistry C, 2010, 114, 10302-10307.	3.1	240
8	Competitive adsorption of a benzene-toluene mixture on activated carbons at low concentration. Carbon, 2006, 44, 1455-1463.	10.3	164
9	Effects of different carbon materials on MgH <sub>2</sub> decomposition. Carbon, 2008, 46, 126-137.	10.3	158
10	TiO <sub>2</sub> nanotubes and CNT-TiO <sub>2</sub> hybrid materials for the photocatalytic oxidation of propene at low concentration. Applied Catalysis B: Environmental, 2009, 92, 377-383.	20.2	149
11	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
12	Semihydrogenation of Phenylacetylene Catalyzed by Palladium Nanoparticles Supported on Carbon Materials. Journal of Physical Chemistry C, 2008, 112, 3827-3834.	3.1	125
13	NO Reduction by Activated Carbons. 2. Catalytic Effect of Potassium. Energy & Fuels, 1995, 9, 97-103.	5.1	123
14	Semihydrogenation of phenylacetylene catalyzed by metallic nanoparticles containing noble metals. Journal of Catalysis, 2006, 243, 74-81.	6.2	121
15	Advanced activated carbon monoliths and activated carbons for hydrogen storage. Microporous and Mesoporous Materials, 2008, 112, 235-242.	4.4	117
16	Enhanced methane storage of chemically and physically activated carbide-derived carbon. Journal of Power Sources, 2009, 191, 560-567.	7.8	111
17	Benzene and toluene adsorption at low concentration on activated carbon fibres. Adsorption, 2011, 17, 473-481.	3.0	110
18	Inorganic materials as supports for palladium nanoparticles: Application in the semi-hydrogenation of phenylacetylene. Journal of Catalysis, 2008, 257, 87-95.	6.2	98

#	ARTICLE	IF	CITATIONS
19	Capacitance of KOH activated carbide-derived carbons. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4943.	2.8	89
20	Mechanism of Adsorption of Water in Carbon Micropores As Revealed by a Study of Activated Carbon Fibers. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3209-3216.	2.6	88
21	Total oxidation of volatile organic compounds by vanadium promoted palladium-titania catalysts: Comparison of aromatic and polyaromatic compounds. <i>Applied Catalysis B: Environmental</i> , 2006, 62, 66-76.	20.2	82
22	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
23	NO Reduction by Activated Carbons. 4. Catalysis by Calcium. <i>Energy &amp; Fuels</i> , 1995, 9, 112-118.	5.1	69
24	Water Adsorption on Activated Carbons: A Study of Water Adsorption in Micro- and Mesopores. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7998-8006.	2.6	69
25	A New Generation of Sludge-Based Adsorbents for H <sub>2</sub> S Abatement at Room Temperature. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4375-4381.	10.0	68
26	NO Reduction by Activated Carbons. 3. Influence of Catalyst Loading on the Catalytic Effect of Potassium. <i>Energy &amp; Fuels</i> , 1995, 9, 104-111.	5.1	62
27	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
28	Spherical activated carbons for low concentration toluene adsorption. <i>Carbon</i> , 2010, 48, 2625-2633.	10.3	56
29	Catalytic performance in citral hydrogenation and characterization of PtSn catalysts supported on activated carbon felt and powder. <i>Applied Catalysis A: General</i> , 2005, 281, 247-258.	4.3	54
30	Hydrothermal and conventional H <sub>3</sub> PO <sub>4</sub> activation of two natural bio-fibers. <i>Carbon</i> , 2012, 50, 3158-3169.	10.3	54
31	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
32	Potassium-containing briquetted coal for the reduction of NO. <i>Fuel</i> , 1997, 76, 499-505.	6.4	50
33	Sorbent design for CO <sub>2</sub> capture under different flue gas conditions. <i>Carbon</i> , 2014, 72, 125-134.	10.3	49
34	Probe Molecule Kinetic Studies of Adsorption on MCM-41. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1012-1020.	2.6	46
35	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
36	Regeneration of activated carbons saturated with benzene or toluene using an oxygen-containing atmosphere. <i>Chemical Engineering Science</i> , 2010, 65, 2190-2198.	3.8	42

#	ARTICLE	IF	CITATIONS
37	Isotropic petroleum pitch as a carbon precursor for the preparation of activated carbons by KOH activation. Carbon, 2009, 47, 2141-2142.	10.3	37
38	HRTEM study of activated carbons prepared by alkali hydroxide activation of anthracite. Carbon, 2004, 42, 1305-1310.	10.3	36
39	Gas storage scale-up at room temperature on high density carbon materials. Carbon, 2014, 76, 123-132.	10.3	33
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	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
42	Photocatalytic oxidation of propene at low concentration. Applied Catalysis B: Environmental, 2007, 71, 298-309.	20.2	30
43	Amorphous carbon nanofibres inducing high specific capacitance of deposited hydrous ruthenium oxide. Electrochimica Acta, 2009, 54, 7452-7457.	5.2	29
44	Activated Carbons for the Removal of Low-Concentration Gaseous Toluene at the Semipilot Scale. Industrial & Engineering Chemistry Research, 2009, 48, 2066-2075.	3.7	28
45	NO Reduction by Potassium-Containing Coal Briquettes. Effect of Mineral Matter Content and Coal Rank. Energy & Fuels, 1997, 11, 292-298.	5.1	27
46	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
47	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
48	Enhancement of the photocatalytic activity of pelletized TiO <sub>2</sub> for the oxidation of propene at low concentration. Applied Catalysis B: Environmental, 2008, 77, 284-293.	20.2	24
49	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
50	Adsorbent density impact on gas storage capacities. Microporous and Mesoporous Materials, 2013, 173, 47-52.	4.4	19
51	SO <sub>2</sub> retention on CaO/activated carbon sorbents. Part II: Effect of the activated carbon support. Fuel, 2008, 87, 2544-2550.	6.4	18
52	Carbon nanofibres as substrates for the preparation of TiO <sub>2</sub> nanostructured photocatalysts. Applied Catalysis B: Environmental, 2012, 127, 291-299.	20.2	18
53	Carbonaceous adsorbents for NH <sub>3</sub> removal at room temperature. Carbon, 2008, 46, 176-178.	10.3	17
54	Thermal treatment effect on NO reduction by potassium-containing coal-briquettes and coal-chars. Fuel Processing Technology, 1999, 61, 289-297.	7.2	15

#	ARTICLE	IF	CITATIONS
55	Evidence for the presence of cyanide during carbon activation by KOH. Carbon, 2010, 48, 1032-1037.	10.3	15
56	Adsorption on Activated Carbon Fibers. , 2008, , 431-454.		12
57	Removal of odour-causing compounds using carbonaceous adsorbents/catalysts prepared from sewage sludge. Water Science and Technology, 2009, 59, 1371-1376.	2.5	12
58	Commentary on the paper "On the adsorption affinity coefficient of carbon dioxide in microporous carbons" by E.S. Bickford et al. (Carbon 2004; 42: 1867-1871). Carbon, 2005, 43, 658-660.	10.3	10
59	SO2 retention on CaO/activated carbon sorbents. Part III. Study of the retention and regeneration conditions. Fuel, 2008, 87, 3170-3175.	6.4	10
60	New insights on the direct activation of isotropic petroleum pitch by alkaline hydroxides. Fuel Processing Technology, 2010, 91, 145-149.	7.2	10
61	Advances in Hydrogen Storage in Carbon Materials. , 2013, , 269-291.		8
62	Synthesis and Permeation Properties of Silicalite-1/Carbon Membranes. Industrial & Engineering Chemistry Research, 2007, 46, 3997-4006.	3.7	7
63	MCM-41 Porosity: Are Surface Corrugations Micropores?. Adsorption Science and Technology, 2011, 29, 443-455.	3.2	7
64	Activated Carbon Fibers. , 2013, , 155-169.		6
65	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
66	No reduction by activated carbons. some mechanistic aspects of uncatalyzed and catalyzed reaction. Coal Science and Technology, 1995, 24, 1799-1802.	0.0	3
67	Deeping into the microporosity of porous silicates Ti- and Sn-umbite. Microporous and Mesoporous Materials, 2011, 142, 649-654.	4.4	3
68	Gas-Adsorbing Nanoporous Carbons. , 2016, , 465-486.		0