

Carlos Moreno-Castilla

List of Publications by Year in descending order

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183
papers

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26567

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112
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186
all docs

186
docs citations

186
times ranked

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#	ARTICLE	IF	CITATIONS
1	Adsorption of organic molecules from aqueous solutions on carbon materials. Carbon, 2004, 42, 83-94.	5.4	1,127
2	Changes in surface chemistry of activated carbons by wet oxidation. Carbon, 2000, 38, 1995-2001.	5.4	765
3	On the characterization of acidic and basic surface sites on carbons by various techniques. Carbon, 1999, 37, 1215-1221.	5.4	693
4	Carbon aerogels for catalysis applications: An overview. Carbon, 2005, 43, 455-465.	5.4	607
5	Activated Carbon Surface Modifications by Nitric Acid, Hydrogen Peroxide, and Ammonium Peroxydisulfate Treatments. Langmuir, 1995, 11, 4386-4392.	1.6	501
6	Azo-dye Orange II degradation by heterogeneous Fenton-like reaction using carbon-Fe catalysts. Applied Catalysis B: Environmental, 2007, 75, 312-323.	10.8	486
7	Catalytic Graphitization of Carbon Aerogels by Transition Metals. Langmuir, 2000, 16, 4367-4373.	1.6	437
8	Activated carbon surface modifications by adsorption of bacteria and their effect on aqueous lead adsorption. Journal of Chemical Technology and Biotechnology, 2001, 76, 1209-1215.	1.6	384
9	Activated carbons from KOH-activation of argan (<i>Argania spinosa</i>) seed shells as supercapacitor electrodes. Bioresource Technology, 2012, 111, 185-190.	4.8	368
10	Bisphenol A Removal from Water by Activated Carbon. Effects of Carbon Characteristics and Solution Chemistry. Environmental Science & Technology, 2005, 39, 6246-6250.	4.6	367
11	Effects of non-oxidant and oxidant acid treatments on the surface properties of an activated carbon with very low ash content. Carbon, 1998, 36, 145-151.	5.4	290
12	Optimization of conditions for the preparation of activated carbons from olive-waste cakes. Carbon, 2001, 39, 425-432.	5.4	272
13	Adsorption of some substituted phenols on activated carbons from a bituminous coal. Carbon, 1995, 33, 845-851.	5.4	199
14	The creation of acid carbon surfaces by treatment with $(\text{NH}_4)_2\text{S}_2\text{O}_8$. Carbon, 1997, 35, 1619-1626.	5.4	186
15	Synthesis and textural characteristics of organic aerogels, transition-metal-containing organic aerogels and their carbonized derivatives. Carbon, 1999, 37, 1199-1205.	5.4	177
16	Regularities in the temperature-programmed desorption spectra of CO_2 and CO from activated carbons. Carbon, 2000, 38, 1297-1308.	5.4	171
17	Chemical and physical activation of olive-mill waste water to produce activated carbons. Carbon, 2001, 39, 1415-1420.	5.4	159
18	Adsorption of Humic Substances on Activated Carbon from Aqueous Solutions and Their Effect on the Removal of $\text{Cr}(\text{III})$ Ions. Langmuir, 1998, 14, 1880-1886.	1.6	141

#	ARTICLE	IF	CITATIONS
19	Granular and monolithic activated carbons from KOH-activation of olive stones. <i>Microporous and Mesoporous Materials</i> , 2006, 92, 64-70.	2.2	126
20	On the nature of surface acid sites of chlorinated activated carbons. <i>Carbon</i> , 2003, 41, 473-478.	5.4	124
21	Thermal regeneration of an activated carbon exhausted with different substituted phenols. <i>Carbon</i> , 1995, 33, 1417-1423.	5.4	123
22	Effect of Surface Chemistry, Solution pH, and Ionic Strength on the Removal of Herbicides Diuron and Amitrole from Water by an Activated Carbon Fiber. <i>Langmuir</i> , 2007, 23, 1242-1247.	1.6	123
23	Surface-Treated Activated Carbon for Removal of Phenol from Water. <i>Separation Science and Technology</i> , 1980, 15, 1733-1752.	1.3	119
24	Influence of the oxygen surface complexes of activated carbons on the adsorption of chromium ions from aqueous solutions: Effect of sodium chloride and humic acid. <i>Carbon</i> , 1994, 32, 93-100.	5.4	116
25	Bioadsorption of Pb(II), Cd(II), and Cr(VI) on activated carbon from aqueous solutions. <i>Carbon</i> , 2003, 41, 323-330.	5.4	116
26	Cadmium Ion Adsorption on Different Carbon Adsorbents from Aqueous Solutions. Effect of Surface Chemistry, Pore Texture, Ionic Strength, and Dissolved Natural Organic Matter. <i>Langmuir</i> , 2004, 20, 8142-8148.	1.6	104
27	Physicochemical Surface Properties of Fe, Co, Ni, and Cu-Doped Monolithic Organic Aerogels. <i>Langmuir</i> , 2003, 19, 5650-5655.	1.6	100
28	Water adsorption on activated carbons with different degrees of oxidation. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 2211-2215.	1.7	98
29	Adsorption of Phenolic Compounds from Aqueous Solutions, by Activated Carbons, Described by the Dubinin-Astakhov Equation. <i>Langmuir</i> , 2001, 17, 3301-3306.	1.6	97
30	Group 6 metal oxide-carbon aerogels. Their synthesis, characterization and catalytic activity in the skeletal isomerization of 1-butene. <i>Applied Catalysis A: General</i> , 1999, 183, 345-356.	2.2	96
31	Catalytic combustion of toluene on platinum-containing monolithic carbon aerogels. <i>Applied Catalysis B: Environmental</i> , 2004, 54, 217-224.	10.8	96
32	Porosity and surface area of monolithic carbon aerogels prepared using alkaline carbonates and organic acids as polymerization catalysts. <i>Carbon</i> , 2006, 44, 2301-2307.	5.4	96
33	Surface Chemistry, Porous Texture, and Morphology of N-Doped Carbon Xerogels. <i>Langmuir</i> , 2009, 25, 466-470.	1.6	93
34	Dehydration of methanol to dimethyl ether catalyzed by oxidized activated carbons with varying surface acidic character. <i>Carbon</i> , 2001, 39, 869-875.	5.4	86
35	Activated carbons as adsorbents of sulfur dioxide in flowing air. Effect of their pore texture and surface basicity. <i>Langmuir</i> , 1993, 9, 1378-1383.	1.6	85
36	Mixed iron oxides as Fenton catalysts for gallic acid removal from aqueous solutions. <i>Applied Catalysis B: Environmental</i> , 2016, 196, 207-215.	10.8	84

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37	Regeneration of activated carbons exhausted with chlorophenols. <i>Carbon</i> , 1993, 31, 857-863.	5.4	81
38	Surface morphology, metal dispersion, and pore texture of transition metal-doped monolithic carbon aerogels and steam-activated derivatives. <i>Microporous and Mesoporous Materials</i> , 2004, 69, 119-125.	2.2	80
39	Specific and non-specific interactions of water molecules with carbon surfaces from immersion calorimetry. <i>Carbon</i> , 2000, 38, 825-829.	5.4	79
40	Surface-Treated Activated Carbons as Catalysts for the Dehydration and Dehydrogenation Reactions of Ethanol. <i>Journal of Physical Chemistry B</i> , 1998, 102, 9239-9244.	1.2	76
41	Reversible toluene adsorption on monolithic carbon aerogels. <i>Journal of Hazardous Materials</i> , 2007, 148, 548-552.	6.5	76
42	Adsorption of Benzene, Toluene, and Xylenes on Monolithic Carbon Aerogels from Dry Air Flows. <i>Langmuir</i> , 2007, 23, 10095-10101.	1.6	74
43	Preparation, surface characteristics, and electrochemical double-layer capacitance of KOH-activated carbon aerogels and their O- and N-doped derivatives. <i>Journal of Power Sources</i> , 2012, 219, 80-88.	4.0	68
44	Carbon Materials as Adsorbents for the Removal of Pollutants from the Aqueous Phase. <i>MRS Bulletin</i> , 2001, 26, 890-894.	1.7	67
45	Experimental Design To Optimize Preparation of Activated Carbons for Use in Water Treatment. <i>Environmental Science & Technology</i> , 2002, 36, 3844-3849.	4.6	66
46	A study of the static and dynamic adsorption of Zn(II) ions on carbon materials from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2005, 288, 335-341.	5.0	66
47	Kinetics of diuron and amitrole adsorption from aqueous solution on activated carbons. <i>Journal of Hazardous Materials</i> , 2008, 156, 472-477.	6.5	66
48	Surface Characteristics of Titania/Carbon Composite Aerogels. <i>Langmuir</i> , 2002, 18, 2295-2299.	1.6	64
49	Water sorption on silica- and zeolite-supported hygroscopic salts for cooling system applications. <i>Energy Conversion and Management</i> , 2012, 53, 219-223.	4.4	64
50	Applicability of the Dubinin-Radushkevich equation to carbon dioxide adsorption on activated carbons. <i>Langmuir</i> , 1993, 9, 2758-2760.	1.6	62
51	Synthesis, pore texture and surface acid-base character of TiO ₂ /carbon composite aerogels and aerogels and their carbonized derivatives. <i>Applied Catalysis A: General</i> , 2000, 203, 151-159.	2.2	62
52	Ionic strength effects in aqueous phase adsorption of metal ions on activated carbons. <i>Carbon</i> , 2003, 41, 2020-2022.	5.4	62
53	Surface characteristics and electrochemical capacitances of carbon aerogels obtained from resorcinol and pyrocatechol using boric and oxalic acids as polymerization catalysts. <i>Carbon</i> , 2011, 49, 3808-3819.	5.4	61
54	Heterogeneous and homogeneous Fenton processes using activated carbon for the removal of the herbicide amitrole from water. <i>Applied Catalysis B: Environmental</i> , 2011, 101, 425-430.	10.8	60

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55	Tungsten and Tungsten Carbide Supported on Activated Carbon: Surface Structures and Performance for Ethylene Hydrogenation. <i>Langmuir</i> , 2001, 17, 1752-1756.	1.6	59
56	Tungsten catalysts supported on activated carbon. Preparation and characterization after their heat treatments in inert atmosphere. <i>Journal of Catalysis</i> , 2000, 192, 363-373.	3.1	57
57	Metal-doped carbon xerogels for the electro-catalytic conversion of CO ₂ to hydrocarbons. <i>Carbon</i> , 2013, 56, 324-331.	5.4	56
58	Carbon as a support for catalysts III glassy carbon as a support for iron. <i>Carbon</i> , 1980, 18, 271-276.	5.4	53
59	Surface Area and Microporosity of Carbon Aerogels from Gas Adsorption and Small- and Wide-Angle X-ray Scattering Measurements. <i>Journal of Physical Chemistry B</i> , 2006, 110, 8681-8688.	1.2	53
60	Removal of diuron and amitrole from water under static and dynamic conditions using activated carbons in form of fibers, cloth, and grains. <i>Water Research</i> , 2007, 41, 2865-2870.	5.3	53
61	Carbon-Based Honeycomb Monoliths for Environmental Gas-Phase Applications. <i>Materials</i> , 2010, 3, 1203-1227.	1.3	52
62	Carbon Xerogel Microspheres and Monoliths from Resorcinol-Formaldehyde Mixtures with Varying Dilution Ratios: Preparation, Surface Characteristics, and Electrochemical Double-Layer Capacitances. <i>Langmuir</i> , 2013, 29, 6166-6173.	1.6	50
63	Effect of calcination temperature of a copper ferrite synthesized by a sol-gel method on its structural characteristics and performance as Fenton catalyst to remove gallic acid from water. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 193-202.	5.0	50
64	Comparison of activated carbons prepared from agricultural raw materials and spanish lignites when removing chlorophenols from aqueous solutions. <i>Carbon</i> , 1991, 29, 613-619.	5.4	49
65	Batch and column adsorption of herbicide fluroxypyr on different types of activated carbons from water with varied degrees of hardness and alkalinity. <i>Water Research</i> , 2010, 44, 879-885.	5.3	49
66	Microporous activated carbons from a bituminous coal. <i>Fuel</i> , 1996, 75, 966-970.	3.4	48
67	Pd and Pt catalysts supported on carbon-coated monoliths for low-temperature combustion of xylenes. <i>Carbon</i> , 2006, 44, 2463-2468.	5.4	48
68	Temperature dependence of the point of zero charge of oxidized and non-oxidized activated carbons. <i>Carbon</i> , 2008, 46, 778-787.	5.4	48
69	Electrochemical performance of carbon gels with variable surface chemistry and physics. <i>Carbon</i> , 2012, 50, 3324-3332.	5.4	48
70	Removal of bisphenols A and S by adsorption on activated carbon clothes enhanced by the presence of bacteria. <i>Science of the Total Environment</i> , 2019, 669, 767-776.	3.9	48
71	Specific and Nonspecific Interactions between Methanol and Ethanol and Active Carbons. <i>Langmuir</i> , 2000, 16, 5967-5972.	1.6	47
72	Influence of support surface properties on activity of bacteria immobilised on activated carbons for water denitrification. <i>Carbon</i> , 2003, 41, 1743-1749.	5.4	47

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73	Influence of Pt particle size on catalytic combustion of xylenes on carbon aerogel-supported Pt catalysts. <i>Applied Catalysis B: Environmental</i> , 2005, 61, 253-258.	10.8	47
74	About the endothermic nature of the adsorption of the herbicide diuron from aqueous solutions on activated carbon fiber. <i>Carbon</i> , 2006, 44, 2335-2338.	5.4	47
75	Water adsorption on zeolite 13X: comparison of the two methods based on mass spectrometry and thermogravimetry. <i>Adsorption</i> , 2010, 16, 141-146.	1.4	47
76	Temperature Dependence of Herbicide Adsorption from Aqueous Solutions on Activated Carbon Fiber and Cloth. <i>Langmuir</i> , 2006, 22, 9586-9590.	1.6	46
77	Effect of carbon-oxygen and carbon-sulphur surface complexes on the adsorption of mercuric chloride in aqueous solutions by activated carbons. <i>Journal of Chemical Technology and Biotechnology</i> , 1982, 32, 575-579.	0.2	46
78	Carbon aerogels from gallic acid-resorcinol mixtures as adsorbents of benzene, toluene and xylenes from dry and wet air under dynamic conditions. <i>Carbon</i> , 2009, 47, 463-469.	5.4	46
79	Tungsten oxide catalysts supported on activated carbons: effect of tungsten precursor and pretreatment on dispersion, distribution, and surface acidity of catalysts. <i>Journal of Catalysis</i> , 2003, 217, 30-37.	3.1	44
80	Study of heat-treated Spanish lignites. <i>Fuel</i> , 1985, 64, 666-673.	3.4	43
81	Influence of carbon-oxygen surface complexes on the surface acidity of tungsten oxide catalysts supported on activated carbons. <i>Carbon</i> , 2003, 41, 1157-1167.	5.4	43
82	Porous carbon as support for iron and ruthenium catalysts. <i>Fuel</i> , 1984, 63, 1089-1094.	3.4	42
83	Adsorption mechanisms of metal cations from water on an oxidized carbon surface. <i>Journal of Colloid and Interface Science</i> , 2010, 345, 461-466.	5.0	42
84	Synthesis and surface characteristics of silica and alumina-carbon composite xerogels. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 4818-4822.	1.3	39
85	Morphology of heat-treated tungsten doped monolithic carbon aerogels. <i>Carbon</i> , 2003, 41, 1291-1299.	5.4	39
86	The role of nitrogen and oxygen surface groups in the behavior of carbon-supported iron and ruthenium catalysts. <i>Carbon</i> , 1988, 26, 417-423.	5.4	37
87	Activated carbons from a subbituminous coal: Pore texture and electrokinetic properties. <i>Carbon</i> , 1993, 31, 815-819.	5.4	36
88	Methanol partial oxidation on carbon-supported Pt and Pd catalysts. <i>Catalysis Today</i> , 2007, 123, 158-163.	2.2	36
89	Boiled versus unboiled: a study on Neolithic and contemporary human bones. <i>Journal of Archaeological Science</i> , 2011, 38, 2561-2570.	1.2	36
90	Carbon-based monolithic supports for palladium catalysts: The role of the porosity in the gas-phase total combustion of m-xylene. <i>Applied Catalysis B: Environmental</i> , 2008, 77, 272-277.	10.8	35

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91	Adsorption and thermal desorption of the herbicide fluoxypyr on activated carbon fibers and cloth at different pH values. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 2-7.	5.0	34
92	Metal-carbon aerogels as catalysts and catalyst supports. <i>Studies in Surface Science and Catalysis</i> , 2000, , 1007-1012.	1.5	32
93	Gasification reaction of a lignite char catalysed by Cr, Mn, Fe, Co, Ni, Cu and Zn in dry and wet air. <i>Fuel</i> , 1985, 64, 1220-1223.	3.4	31
94	On the Adsorption of Formaldehyde at High Temperatures and Zero Surface Coverage. <i>Langmuir</i> , 1999, 15, 3226-3231.	1.6	31
95	Use of activated carbons obtained from agricultural by-products for the adsorption of some hydrocarbons. <i>Langmuir</i> , 1991, 7, 339-343.	1.6	30
96	Tungsten catalysts supported on activated carbon. Skeletal isomerization of 1-butene. <i>Journal of Catalysis</i> , 2000, 192, 374-380.	3.1	30
97	Molybdenum Carbide Formation in Molybdenum-Doped Organic and Carbon Aerogels. <i>Langmuir</i> , 2005, 21, 10850-10855.	1.6	30
98	Colloidal and micro-carbon spheres derived from low-temperature polymerization reactions. <i>Advances in Colloid and Interface Science</i> , 2016, 236, 113-141.	7.0	30
99	Gas chromatographic determination of adsorption isotherms, spreading pressures, london force interactions and equations of state for n-alkanes on graphite and carbon blacks. <i>Journal of Chromatography A</i> , 1985, 324, 19-28.	1.8	29
100	The use of activated carbon columns for the removal of ortho-phosphate ions from aqueous solutions. <i>Carbon</i> , 1990, 28, 91-95.	5.4	28
101	Influence of support porosity and Pt content of Pt/carbon aerogel catalysts on metal dispersion and formation of self-assembled Pt-carbon hybrid nanostructures. <i>Carbon</i> , 2009, 47, 2679-2687.	5.4	28
102	Thermal Desorption of Chlorophenols from Activated Carbons with Different Porosity. <i>Langmuir</i> , 1995, 11, 2648-2651.	1.6	27
103	Carbon-supported Pt as catalysts for low-temperature methanol decomposition to carbon monoxide and hydrogen. <i>Applied Catalysis A: General</i> , 2004, 275, 119-126.	2.2	27
104	Adsorption of SO ₂ in flowing air onto activated carbons from olive stones. <i>Fuel</i> , 1992, 71, 575-578.	3.4	26
105	Adsorption of carbon dioxide on activated carbons from diluted ambient environments. <i>Energy & Fuels</i> , 1994, 8, 239-243.	2.5	26
106	Effect of Oxygen Plasma Treatment on the Porosity and Surface Chemical Nature of Glassy Carbons. <i>Journal of Colloid and Interface Science</i> , 1995, 176, 128-137.	5.0	26
107	Adsorption capacity of Saran carbons at high temperatures and under dynamic conditions. <i>Carbon</i> , 1984, 22, 301-304.	5.4	25
108	Effects of ageing on the oxygen surface complexes of an oxidized activated carbon. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 2779-2782.	1.7	25

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109	Inter- and Intra-Primary-Particle Structure of Monolithic Carbon Aerogels Obtained with Varying Solvents. <i>Langmuir</i> , 2008, 24, 2820-2825.	1.6	25
110	Hydrogenolysis of n-butane and hydrogenation of carbon monoxide on Ni and Co catalysts supported on saran carbons. <i>Applied Catalysis</i> , 1985, 14, 159-172.	1.1	24
111	Activated carbon cloth as support for mesenchymal stem cell growth and differentiation to osteocytes. <i>Carbon</i> , 2009, 47, 3574-3577.	5.4	24
112	Chemical and Thermal Regeneration of an Activated Carbon Saturated with Chlorophenols. <i>Journal of Chemical Technology and Biotechnology</i> , 1996, 67, 183-189.	1.6	23
113	Distribution of surface oxygen complexes on activated carbons from immersion calorimetry, titration and temperature-programmed desorption techniques. <i>Carbon</i> , 2001, 39, 2235-2237.	5.4	23
114	The effect of inorganic constituents of the support on the characteristics of carbon-supported platinum catalysts. <i>Applied Catalysis</i> , 1985, 15, 293-300.	1.1	22
115	The dynamic adsorption of several hydrocarbons on active carbons. <i>Journal of Colloid and Interface Science</i> , 1990, 136, 160-167.	5.0	22
116	Removal of Phenolic Compounds from Water Using Copper Ferrite Nanosphere Composites as Fenton Catalysts. <i>Nanomaterials</i> , 2019, 9, 901.	1.9	22
117	Adsorption of hydrocarbons on graphites and graphitized carbon black at zero surface coverage. <i>Journal of Chromatography A</i> , 1984, 294, 41-50.	1.8	21
118	The striking behaviour of copper catalysing the gasification reaction of coal chars in dry air. <i>Fuel</i> , 1987, 66, 113-118.	3.4	21
119	Air gasification of activated carbons and chars catalysed by Cr ₂ O ₃ and MoO ₂ . <i>Fuel</i> , 1990, 69, 354-361.	3.4	21
120	Electrochemical performance of Cu- and Ag-doped carbon aerogels. <i>Materials Chemistry and Physics</i> , 2013, 138, 870-876.	2.0	21
121	Hydrogenation of carbon oxides by Ru/activated carbon catalysts obtained from Ru ₃ (CO) ₁₂ : effect of pretreatment on their dispersion, composition and activity. <i>Journal of Molecular Catalysis A</i> , 1995, 95, 223-233.	4.8	20
122	On the Carbon Dioxide and Benzene Adsorption on Activated Carbons To Study Their Micropore Structure. <i>Langmuir</i> , 1997, 13, 5208-5210.	1.6	20
123	Physicochemical characteristics of calcined MnFe ₂ O ₄ solid nanospheres and their catalytic activity to oxidize para-nitrophenol with peroxymonosulfate and n-C ₇ asphaltenes with air. <i>Journal of Environmental Management</i> , 2021, 281, 111871.	3.8	20
124	Cobalt catalysts supported on activated carbons: preparation and behaviour in the hydrogenation of carbon oxides. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 3519.	1.7	19
125	Adsorption of Organic Probes on Carbon Materials at Zero Surface Coverage. <i>Journal of Physical Chemistry B</i> , 1997, 101, 8191-8196.	1.2	19
126	Title is missing!. <i>Reaction Kinetics and Catalysis Letters</i> , 2000, 71, 137-142.	0.6	19

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127	Nanoporous carbon materials: Comparison between information obtained by SAXS and WAXS and by gas adsorption. <i>Carbon</i> , 2005, 43, 3009-3012.	5.4	18
128	Activated carbon cloth as adsorbent and oxidation catalyst for the removal of amitrole from aqueous solution. <i>Adsorption</i> , 2011, 17, 413-419.	1.4	18
129	Micropore Structure of Activated Carbons Prepared From a Spanish Subbituminous Coal Studied by CO ₂ , Benzene, and Cyclohexane Adsorption. <i>Langmuir</i> , 1995, 11, 247-252.	1.6	17
130	Determination of the Micropore Texture of Some Glassy Carbons Using Molecular Probes. <i>Langmuir</i> , 1997, 13, 1218-1224.	1.6	17
131	Influence of the Boron Precursor and Drying Method on Surface Properties and Electrochemical Behavior of Boron-Doped Carbon Gels. <i>Langmuir</i> , 2014, 30, 1716-1722.	1.6	17
132	Carbon molecular sieves produced by the fixation of sulphur surface complexes. <i>Chromatographia</i> , 1985, 20, 709-712.	0.7	15
133	Effect of hydrogen reduction on the surface characteristics of carbon-supported iron and ruthenium catalysts. <i>Applied Catalysis</i> , 1986, 23, 299-307.	1.1	15
134	Reactivity of Spanish coal chars in dry air. <i>Fuel</i> , 1987, 66, 237-241.	3.4	15
135	Pt/carbon catalysts: Effect of pretreatment on the dispersion and morphology of the Pt particles, on their capacity to chemisorb H ₂ and on the H ₂ /n-C ₄ H ₁₀ reaction. <i>Journal of Molecular Catalysis</i> , 1991, 66, 329-341.	1.2	15
136	Activated carbon columns as adsorbents of gallic acid from aqueous solutions: Effect of the presence of different electrolytes. <i>Carbon</i> , 1992, 30, 107-111.	5.4	15
137	Synthesis, surface characteristics, and electrochemical capacitance of Cu-doped carbon xerogel microspheres. <i>Carbon</i> , 2013, 55, 260-268.	5.4	15
138	Symmetric Supercapacitor Electrodes from KOH Activation of Pristine, Carbonized, and Hydrothermally Treated Melia azedarach Stones. <i>Materials</i> , 2017, 10, 747.	1.3	15
139	MoO ₂ as catalyst in the CO ₂ gasification of activated carbons and chars. <i>Fuel</i> , 1991, 70, 13-16.	3.4	13
140	Manganese ferrite solid nanospheres solvothermally synthesized as catalyst for peroxymonosulfate activation to degrade and mineralize para-nitrophenol: Study of operational variables and catalyst reutilization. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105192.	3.3	13
141	Removal of tannic acid from aqueous solutions by activated carbons. <i>The Chemical Engineering Journal</i> , 1993, 52, 37-39.	0.4	12
142	Adsorption of SO ₂ from flowing air by alkaline-oxide-containing activated carbons. <i>Applied Catalysis B: Environmental</i> , 1997, 13, 229-240.	10.8	12
143	Competitive adsorption of the herbicide fluroxypyr and tannic acid from distilled and tap water on activated carbons and their thermal desorption. <i>Adsorption</i> , 2012, 18, 173-179.	1.4	12
144	Extra-Heavy Crude Oil Viscosity Reduction Using and Reusing Magnetic Copper Ferrite Nanospheres. <i>Processes</i> , 2021, 9, 175.	1.3	12

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145	High Temperature Adsorption of Hydrocarbons by Activated Carbons Prepared from Olive Stones. <i>Adsorption Science and Technology</i> , 1984, 1, 103-109.	1.5	11
146	Vanadium pentoxide as catalyst in the air gasification of chars. <i>Fuel</i> , 1989, 68, 968-971.	3.4	11
147	Steam gasification of a lignite char catalysed by metals from chromium to zinc. <i>Fuel</i> , 1992, 71, 105-108.	3.4	11
148	Demineralization of a bituminous coal by froth flotation before obtaining activated carbons. <i>Carbon</i> , 1996, 34, 917-921.	5.4	11
149	Effect of dilution ratio and drying method of resorcinol-formaldehyde carbon gels on their electrocapacitive properties in aqueous and non-aqueous electrolytes. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 75, 407-412.	1.1	11
150	Synthesis and characterization of solid polymer and carbon spheres derived from an emulsion polymerization reaction of different phenolic compounds with formaldehyde. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 488-496.	2.3	11
151	Changes in surface homogeneity of a graphite upon gasification. <i>Carbon</i> , 1978, 16, 397-401.	5.4	10
152	Thermal desorption of chlorophenols from activated carbon. Influence of the treatment atmosphere. <i>Carbon</i> , 1994, 32, 743-746.	5.4	10
153	A TPD Study of Chromium Catalysts Supported on an Oxidized and Nonoxidized Activated Carbon. <i>Energy & Fuels</i> , 1994, 8, 1233-1237.	2.5	9
154	Application of ammonia intermittent temperature-programmed desorption to evaluate surface acidity of tungsten oxide supported on activated carbon. <i>Journal of Colloid and Interface Science</i> , 2003, 260, 449-453.	5.0	9
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