Carlos Moreno-Castilla

List of Publications by Year
in descending order

183	13,485	26630 56	22832 112
papers	citations	h-index	g-index

186	186	186	12186
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adsorption of organic molecules from aqueous solutions on carbon materials. Carbon, 2004, 42, 83-94.	10.3	1,127
2	Changes in surface chemistry of activated carbons by wet oxidation. Carbon, 2000, 38, 1995-2001.	10.3	765
3	On the characterization of acidic and basic surface sites on carbons by various techniques. Carbon, 1999, 37, 1215-1221.	10.3	693
4	Carbon aerogels for catalysis applications: An overview. Carbon, 2005, 43, 455-465.	10.3	607
5	Activated Carbon Surface Modifications by Nitric Acid, Hydrogen Peroxide, and Ammonium Peroxydisulfate Treatments. Langmuir, 1995, 11, 4386-4392.	3.5	501
6	Azo-dye Orange II degradation by heterogeneous Fenton-like reaction using carbon-Fe catalysts. Applied Catalysis B: Environmental, 2007, 75, 312-323.	20.2	486
7	Catalytic Graphitization of Carbon Aerogels by Transition Metals. Langmuir, 2000, 16, 4367-4373.	3.5	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.	3.2	384
9	Activated carbons from KOH-activation of argan (Argania spinosa) seed shells as supercapacitor electrodes. Bioresource Technology, 2012, 111, 185-190.	9.6	368
10	Bisphenol A Removal from Water by Activated Carbon. Effects of Carbon Characteristics and Solution Chemistry. Environmental Science & Technology, 2005, 39, 6246-6250.	10.0	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.	10.3	290
12	Optimization of conditions for the preparation of activated carbons from olive-waste cakes. Carbon, 2001, 39, 425-432.	10.3	272
13	Adsorption of some substituted phenols on activated carbons from a bituminous coal. Carbon, 1995, 33, 845-851.	10.3	199
14	The creation of acid carbon surfaces by treatment with (NH4)2S2O8. Carbon, 1997, 35, 1619-1626.	10.3	186
15	Synthesis and textural characteristics of organic aerogels, transition-metal-containing organic aerogels and their carbonized derivatives. Carbon, 1999, 37, 1199-1205.	10.3	177
16	Regularities in the temperature-programmed desorption spectra of CO2 and CO from activated carbons. Carbon, 2000, 38, 1297-1308.	10.3	171
17	Chemical and physical activation of olive-mill waste water to produce activated carbons. Carbon, 2001, 39, 1415-1420.	10.3	159
18	Adsorption of Humic Substances on Activated Carbon from Aqueous Solutions and Their Effect on the Removal of Cr(III) Ions. Langmuir, 1998, 14, 1880-1886.	3.5	141

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19	Granular and monolithic activated carbons from KOH-activation of olive stones. Microporous and Mesoporous Materials, 2006, 92, 64-70.	4.4	126
20	On the nature of surface acid sites of chlorinated activated carbons. Carbon, 2003, 41, 473-478.	10.3	124
21	Thermal regeneration of an activated carbon exhausted with different substituted phenols. Carbon, 1995, 33, 1417-1423.	10.3	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. Langmuir, 2007, 23, 1242-1247.	3.5	123
23	Surface-Treated Activated Carbon for Removal of Phenol from Water. Separation Science and Technology, 1980, 15, 1733-1752.	2.5	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. Carbon, 1994, 32, 93-100.	10.3	116
25	Bioadsorption of Pb(II), Cd(II), and Cr(VI) on activated carbon from aqueous solutions. Carbon, 2003, 41, 323-330.	10.3	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. Langmuir, 2004, 20, 8142-8148.	3.5	104
27	Physicochemical Surface Properties of Fe, Co, Ni, and Cu-Doped Monolithic Organic Aerogels. Langmuir, 2003, 19, 5650-5655.	3.5	100
28	Water adsorption on activated carbons with different degrees of oxidation. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 2211-2215.	1.7	98
29	Adsorption of Phenolic Compounds from Aqueous Solutions, by Activated Carbons, Described by the Dubininâ˜Astakhov Equation. Langmuir, 2001, 17, 3301-3306.	3.5	97
30	Group 6 metal oxide-carbon aerogels. Their synthesis, characterization and catalytic activity in the skeletal isomerization of 1-butene. Applied Catalysis A: General, 1999, 183, 345-356.	4.3	96
31	Catalytic combustion of toluene on platinum-containing monolithic carbon aerogels. Applied Catalysis B: Environmental, 2004, 54, 217-224.	20.2	96
32	Porosity and surface area of monolithic carbon aerogels prepared using alkaline carbonates and organic acids as polymerization catalysts. Carbon, 2006, 44, 2301-2307.	10.3	96
33	Surface Chemistry, Porous Texture, and Morphology of N-Doped Carbon Xerogels. Langmuir, 2009, 25, 466-470.	3.5	93
34	Dehydration of methanol to dimethyl ether catalyzed by oxidized activated carbons with varying surface acidic character. Carbon, 2001, 39, 869-875.	10.3	86
35	Activated carbons as adsorbents of sulfur dioxide in flowing air. Effect of their pore texture and surface basicity. Langmuir, 1993, 9, 1378-1383.	3.5	85
36	Mixed iron oxides as Fenton catalysts for gallic acid removal from aqueous solutions. Applied Catalysis B: Environmental, 2016, 196, 207-215.	20.2	84

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37	Regeneration of activated carbons exhausted with chlorophenols. Carbon, 1993, 31, 857-863.	10.3	81
38	Surface morphology, metal dispersion, and pore texture of transition metal-doped monolithic carbon aerogels and steam-activated derivatives. Microporous and Mesoporous Materials, 2004, 69, 119-125.	4.4	80
39	Specific and non-specific interactions of water molecules with carbon surfaces from immersion calorimetry. Carbon, 2000, 38, 825-829.	10.3	79
40	Surface-Treated Activated Carbons as Catalysts for the Dehydration and Dehydrogenation Reactions of Ethanol. Journal of Physical Chemistry B, 1998, 102, 9239-9244.	2.6	76
41	Reversible toluene adsorption on monolithic carbon aerogels. Journal of Hazardous Materials, 2007, 148, 548-552.	12.4	76
42	Adsorption of Benzene, Toluene, and Xylenes on Monolithic Carbon Aerogels from Dry Air Flows. Langmuir, 2007, 23, 10095-10101.	3.5	74
43	Preparation, surface characteristics, and electrochemical double-layer capacitance of KOH-activated carbon aerogels and their O- and N-doped derivatives. Journal of Power Sources, 2012, 219, 80-88.	7.8	68
44	Carbon Materials as Adsorbents for the Removal of Pollutants from the Aqueous Phase. MRS Bulletin, 2001, 26, 890-894.	3.5	67
45	Experimental Design To Optimize Preparation of Activated Carbons for Use in Water Treatment. Environmental Science & Technology, 2002, 36, 3844-3849.	10.0	66
46	A study of the static and dynamic adsorption of Zn(II) ions on carbon materials from aqueous solutions. Journal of Colloid and Interface Science, 2005, 288, 335-341.	9.4	66
47	Kinetics of diuron and amitrole adsorption from aqueous solution on activated carbons. Journal of Hazardous Materials, 2008, 156, 472-477.	12.4	66
48	Surface Characteristics of Titania/Carbon Composite Aerogels. Langmuir, 2002, 18, 2295-2299.	3.5	64
49	Water sorption on silica- and zeolite-supported hygroscopic salts for cooling system applications. Energy Conversion and Management, 2012, 53, 219-223.	9.2	64
50	Applicability of the Dubinin-Radushkevich equation to carbon dioxide adsorption on activated carbons. Langmuir, 1993, 9, 2758-2760.	3.5	62
51	Synthesis, pore texture and surface acidâ€“base character of TiO2/carbon composite xerogels and aerogels and their carbonized derivatives. Applied Catalysis A: General, 2000, 203, 151-159.	4.3	62
52	Ionic strength effects in aqueous phase adsorption of metal ions on activated carbons. Carbon, 2003, 41, 2020-2022.	10.3	62
53	Surface characteristics and electrochemical capacitances of carbon aerogels obtained from resorcinol and pyrocatechol using boric and oxalic acids as polymerization catalysts. Carbon, 2011, 49, 3808-3819.	10.3	61
54	Heterogeneous and homogeneous Fenton processes using activated carbon for the removal of the herbicide amitrole from water. Applied Catalysis B: Environmental, 2011, 101, 425-430.	20.2	60

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55	Tungsten and Tungsten Carbide Supported on Activated Carbon:â€‰ Surface Structures and Performance for Ethylene Hydrogenation. Langmuir, 2001, 17, 1752-1756.	3.5	59
56	Tungsten catalysts supported on activated carbonI. Preparation and characterization after their heat treatments in inert atmosphere. Journal of Catalysis, 2000, 192, 363-373.	6.2	57
57	Metal-doped carbon xerogels for the electro-catalytic conversion of CO2 to hydrocarbons. Carbon, 2013, 56, 324-331.	10.3	56
58	Carbon as a support for catalystsâ€”III glassy carbon as a support for iron. Carbon, 1980, 18, 271-276.	10.3	53
59	Surface Area and Microporosity of Carbon Aerogels from Gas Adsorption and Small- and Wide-Angle X-ray Scattering Measurements. Journal of Physical Chemistry B, 2006, 110, 8681-8688.	2.6	53
60	Removal of diuron and amitrole from water under static and dynamic conditions using activated carbons in form of fibers, cloth, and grains. Water Research, 2007, 41, 2865-2870.	11.3	53
61	Carbon-Based Honeycomb Monoliths for Environmental Gas-Phase Applications. Materials, 2010, 3, 1203-1227.	2.9	52
62	Carbon Xerogel Microspheres and Monoliths from Resorcinolâ€“Formaldehyde Mixtures with Varying Dilution Ratios: Preparation, Surface Characteristics, and Electrochemical Double-Layer Capacitances. Langmuir, 2013, 29, 6166-6173.	3.5	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. Journal of Colloid and Interface Science, 2018, 511, 193-202.	9.4	50
64	Comparison of activated carbons prepared from agricultural raw materials and spanish lignites when removing chlorophenols from aqueous solutions. Carbon, 1991, 29, 613-619.	10.3	49
65	Batch and column adsorption of herbicide fluroxypyr on different types of activated carbons from water with varied degrees of hardness and alkalinity. Water Research, 2010, 44, 879-885.	11.3	49
66	Microporous activated carbons from a bituminous coal. Fuel, 1996, 75, 966-970.	6.4	48
67	Pd and Pt catalysts supported on carbon-coated monoliths for low-temperature combustion of xylenes. Carbon, 2006, 44, 2463-2468.	10.3	48
68	Temperature dependence of the point of zero charge of oxidized and non-oxidized activated carbons. Carbon, 2008, 46, 778-787.	10.3	48
69	Electrochemical performance of carbon gels with variable surface chemistry and physics. Carbon, 2012, 50, 3324-3332.	10.3	48
70	Removal of bisphenols A and S by adsorption on activated carbon clothes enhanced by the presence of bacteria. Science of the Total Environment, 2019, 669, 767-776.	8.0	48
71	Specific and Nonspecific Interactions between Methanol and Ethanol and Active Carbons. Langmuir, 2000, 16, 5967-5972.	3.5	47
72	Influence of support surface properties on activity of bacteria immobilised on activated carbons for water denitrification. Carbon, 2003, 41, 1743-1749.	10.3	47

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73	Influence of Pt particle size on catalytic combustion of xylenes on carbon aerogel-supported Pt catalysts. Applied Catalysis B: Environmental, 2005, 61, 253-258.	20.2	47
74	About the endothermic nature of the adsorption of the herbicide diuron from aqueous solutions on activated carbon fiber. Carbon, 2006, 44, 2335-2338.	10.3	47
75	Water adsorption on zeolite 13X: comparison of the two methods based on mass spectrometry and thermogravimetry. Adsorption, 2010, 16, 141-146.	3.0	47
76	Temperature Dependence of Herbicide Adsorption from Aqueous Solutions on Activated Carbon Fiber and Cloth. Langmuir, 2006, 22, 9586-9590.	3.5	46
77	Effect of carbonâ€oxygen and carbonâ€sulphur surface complexes on the adsorption of mercuric chloride in aqueous solutions by activated carbons. Journal of Chemical Technology and Biotechnology, 1982, 32, 575-579.	0.2	46
78	Carbon aerogels from gallic acidâ€“resorcinol mixtures as adsorbents of benzene, toluene and xylenes from dry and wet air under dynamic conditions. Carbon, 2009, 47, 463-469.	10.3	46
79	Tungsten oxide catalysts supported on activated carbons: effect ofBtungsten precursor and pretreatment on dispersion, distribution, andBsurface acidity of catalysts. Journal of Catalysis, 2003, 217, 30-37.	6.2	44
80	Study of heat-treated Spanish lignites. Fuel, 1985, 64, 666-673.	6.4	43
81	Influence of carbonâ€“oxygen surface complexes on the surface acidity of tungsten oxide catalysts supported on activated carbons. Carbon, 2003, 41, 1157-1167.	10.3	43
82	Porous carbon as support for iron and ruthenium catalysts. Fuel, 1984, 63, 1089-1094.	6.4	42
83	Adsorption mechanisms of metal cations from water on an oxidized carbon surface. Journal of Colloid and Interface Science, 2010, 345, 461-466.	9.4	42
84	Synthesis and surface characteristics of silicaâ€“ and aluminaâ€“carbon composite xerogels. Physical Chemistry Chemical Physics, 2000, 2, 4818-4822.	2.8	39
85	Morphology of heat-treated tunsgten doped monolithic carbon aerogels. Carbon, 2003, 41, 1291-1299.	10.3	39
86	The role of nitrogen and oxygen surface groups in the behavior of carbon-supported iron and ruthenium catalysts. Carbon, 1988, 26, 417-423.	10.3	37
87	Activated carbons from a subbituminous coal: Pore texture and electrokinetic properties. Carbon, 1993, 31, 815-819.	10.3	36
88	Methanol partial oxidation on carbon-supported Pt and Pd catalysts. Catalysis Today, 2007, 123, 158-163.	4.4	36
89	Boiled versus unboiled: a study on Neolithic and contemporary human bones. Journal of Archaeological Science, 2011, 38, 2561-2570.	2.4	36
90	Carbon-based monolithic supports for palladium catalysts: The role of the porosity in the gas-phase total combustion of m-xylene. Applied Catalysis B: Environmental, 2008, 77, 272-277.	20.2	35

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91	Adsorption and thermal desorption of the herbicide fluroxypyr on activated carbon fibers and cloth at different pH values. Journal of Colloid and Interface Science, 2009, 331, 2-7.	9.4	34
92	Metal-carbon aerogels as catalysts and catalyst supports. Studies in Surface Science and Catalysis, 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. Fuel, 1985, 64, 1220-1223.	6.4	31
94	On the Adsorption of Formaldehyde at High Temperatures and Zero Surface Coverage. Langmuir, 1999, 15, 3226-3231.	3.5	31
95	Use of activated carbons obtained from agricultural by-products for the adsorption of some hydrocarbons. Langmuir, 1991, 7, 339-343.	3.5	30
96	Tungsten catalysts supported on activated carbonII. Skeletal isomerization of 1-butene. Journal of Catalysis, 2000, 192, 374-380.	6.2	30
97	Molybdenum Carbide Formation in Molybdenum-Doped Organic and Carbon Aerogels. Langmuir, 2005, 21, 10850-10855.	3.5	30
98	Colloidal and micro-carbon spheres derived from low-temperature polymerization reactions. Advances in Colloid and Interface Science, 2016, 236, 113-141.	14.7	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. Journal of Chromatography A, 1985, 324, 19-28.	3.7	29
100	The use of activated carbon columns for the removal of ortho-phosphate ions from aqueous solutions. Carbon, 1990, 28, 91-95.	10.3	28
101	Influence of support porosity and Pt content of Pt/carbon aerogel catalysts on metal dispersion and formation of self-assembled Ptâ€“carbon hybrid nanostructures. Carbon, 2009, 47, 2679-2687.	10.3	28
102	Thermal Desorption of Chlorophenols from Activated Carbons with Different Porosity. Langmuir, 1995, 11, 2648-2651.	3.5	27
103	Carbon-supported Pt as catalysts for low-temperature methanol decomposition to carbon monoxide and hydrogen. Applied Catalysis A: General, 2004, 275, 119-126.	4.3	27
104	Adsorption of SO2 in flowing air onto activated carbons from olive stones. Fuel, 1992, 71, 575-578.	6.4	26
105	Adsorption of carbon dioxide on activated carbons from diluted ambient environments. Energy & Fuels, 1994, 8, 239-243.	5.1	26
106	Effect of Oxygen Plasma Treatment on the Porosity and Surface Chemical Nature of Glassy Carbons. Journal of Colloid and Interface Science, 1995, 176, 128-137.	9.4	26
107	Adsorption capacity of Saran carbons at high temperatures and under dynamic conditions. Carbon, 1984, 22, 301-304.	10.3	25
108	Effects of ageing on the oxygen surface complexes of an oxidized activated carbon. Journal of the Chemical Society, Faraday Transactions, 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. Langmuir, 2008, 24, 2820-2825.	3.5	25
110	Hydrogenolysis of n-butane and hydrogenation of carbon monoxide on Ni and Co catalysts supported on saran carbons. Applied Catalysis, 1985, 14, 159-172.	0.8	24
111	Activated carbon cloth as support for mesenchymal stem cell growth and differentiation to osteocytes. Carbon, 2009, 47, 3574-3577.	10.3	24
112	Chemical and Thermal Regeneration of an Activated Carbon Saturated with Chlorophenols. Journal of Chemical Technology and Biotechnology, 1996, 67, 183-189.	3.2	23
113	Distribution of surface oxygen complexes on activated carbons from immersion calorimetry, titration and temperature-programmed desorption techniques. Carbon, 2001, 39, 2235-2237.	10.3	23
114	The effect of inorganic constituents of the support on the characteristics of carbon-supported platinum catalysts. Applied Catalysis, 1985, 15, 293-300.	0.8	22
115	The dynamic adsorption of several hydrocarbons on active carbons. Journal of Colloid and Interface Science, 1990, 136, 160-167.	9.4	22
116	Removal of Phenolic Compounds from Water Using Copper Ferrite Nanosphere Composites as Fenton Catalysts. Nanomaterials, 2019, 9, 901.	4.1	22
117	Adsorption of hydrocarbons on graphites and graphitized carbon black at zero surface coverage. Journal of Chromatography A, 1984, 294, 41-50.	3.7	21
118	The striking behaviour of copper catalysing the gasification reaction of coal chars in dry air. Fuel, 1987, 66, 113-118.	6.4	21
119	Air gasification of activated carbons and chars catalysed by Cr2O3 and MoO2. Fuel, 1990, 69, 354-361.	6.4	21
120	Electrochemical performance of Cu- and Ag-doped carbon aerogels. Materials Chemistry and Physics, 2013, 138, 870-876.	4.0	21
121	Hydrogenation of carbon oxides by Ru/activated carbon catalysts obtained from Ru3(CO)12: effect of pretreatment on their dispersion, composition and activity. Journal of Molecular Catalysis A, 1995, 95, 223-233.	4.8	20
122	On the Carbon Dioxide and Benzene Adsorption on Activated Carbons To Study Their Micropore Structure. Langmuir, 1997, 13, 5208-5210.	3.5	20
123	Physicochemical characteristics of calcined MnFe2O4 solid nanospheres and their catalytic activity to oxidize para-nitrophenol with peroxymonosulfate and n-C7 asphaltenes with air. Journal of Environmental Management, 2021, 281, 111871.	7.8	20
124	Cobalt catalysts supported on activated carbons: preparation and behaviour in the hydrogenation of carbon oxides. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 3519.	1.7	19
125	Adsorption of Organic Probes on Carbon Materials at Zero Surface Coverage. Journal of Physical Chemistry B, 1997, 101, 8191-8196.	2.6	19
126	Title is missing!. Reaction Kinetics and Catalysis Letters, 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. Carbon, 2005, 43, 3009-3012.	10.3	18
128	Activated carbon cloth as adsorbent and oxidation catalyst forÂtheÂremoval of amitrole from aqueous solution. Adsorption, 2011, 17, 413-419.	3.0	18
129	Micropore Structure of Activated Carbons Prepared From a Spanish Subbituminous Coal Studied by CO2, Benzene, and Cyclohexane Adsorption. Langmuir, 1995, 11, 247-252.	3.5	17
130	Determination of the Micropore Texture of Some Glassy Carbons Using Molecular Probes. Langmuir, 1997, 13, 1218-1224.	3.5	17
131	Influence of the Boron Precursor and Drying Method on Surface Properties and Electrochemical Behavior of Boron-Doped Carbon Gels. Langmuir, 2014, 30, 1716-1722.	3.5	17
132	Carbon molecular sieves produced by the fixation of sulphur surface complexes. Chromatographia, 1985, 20, 709-712.	1.3	15
133	Effect of hydrogen reduction on the surface characteristics of carbon-supported iron and ruthenium catalysts. Applied Catalysis, 1986, 23, 299-307.	0.8	15
134	Reactivity of Spanish coal chars in dry air. Fuel, 1987, 66, 237-241.	6.4	15
135	Pt/carbon catalysts: Effect of pretreatment on the dispersion and morphology of the Pt particles, on their capacity to chemisorb H2 and on the H2/n-C4H10 reaction. Journal of Molecular Catalysis, 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. Carbon, 1992, 30, 107-111.	10.3	15
137	Synthesis, surface characteristics, and electrochemical capacitance of Cu-doped carbon xerogel microspheres. Carbon, 2013, 55, 260-268.	10.3	15
138	Symmetric Supercapacitor Electrodes from KOH Activation of Pristine, Carbonized, and Hydrothermally Treated Melia azedarach Stones. Materials, 2017, 10, 747.	2.9	15
139	MoO2 as catalyst in the CO2 gasification of activated carbons and chars. Fuel, 1991, 70, 13-16.	6.4	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. Journal of Environmental Chemical Engineering, 2021, 9, 105192.	6.7	13
141	Removal of tannic acid from aqueous solutions by activated carbons. The Chemical Engineering Journal, 1993, 52, 37-39.	0.3	12
142	Adsorption of SO2 from flowing air by alkaline-oxide-containing activated carbons. Applied Catalysis B: Environmental, 1997, 13, 229-240.	20.2	12
143	Competitive adsorption of the herbicide fluroxypyr and tannic acid from distilled and tap water on activated carbons and their thermal desorption. Adsorption, 2012, 18, 173-179.	3.0	12
144	Extra-Heavy Crude Oil Viscosity Reduction Using and Reusing Magnetic Copper Ferrite Nanospheres. Processes, 2021, 9, 175.	2.8	12

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145	High Temperature Adsorption of Hydrocarbons by Activated Carbons Prepared from Olive Stones. Adsorption Science and Technology, 1984, 1, 103-109.	3.2	11
146	Vanadium pentoxide as catalyst in the air gasification of chars. Fuel, 1989, 68, 968-971.	6.4	11
147	Steam gasification of a lignite char catalysed by metals from chromium to zinc. Fuel, 1992, 71, 105-108.	6.4	11
148	Demineralization of a bituminous coal by froth flotation before obtaining activated carbons. Carbon, 1996, 34, 917-921.	10.3	11
149	Effect of dilution ratio and drying method of resorcinolâ€“formaldehyde carbon gels on their electrocapacitive properties in aqueous and non-aqueous electrolytes. Journal of Sol-Gel Science and Technology, 2015, 75, 407-412.	2.4	11
150	Synthesis and characterization of solid polymer and carbon spheres derived from an emulsion polymerization reaction of different phenolic compounds with formaldehyde. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 520, 488-496.	4.7	11
151	Changes in surface homogeneity of a graphite upon gasification. Carbon, 1978, 16, 397-401.	10.3	10
152	Thermal desorption of chlorophenols from activated carbon. Influence of the treatment atmosphere. Carbon, 1994, 32, 743-746.	10.3	10
153	A TPD Study of Chromium Catalysts Supported on an Oxidized and Nonoxidized Activated Carbon. Energy & Fuels, 1994, 8, 1233-1237.	5.1	9
154	Application of ammonia intermittent temperature-programmed desorption to evaluate surface acidity of tungsten oxide supported on activated carbon. Journal of Colloid and Interface Science, 2003, 260, 449-453.	9.4	9
155	Copper ferrite nanospheres composites mixed with carbon black to boost the oxygen reduction reaction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 613, 126060.	4.7	9
156	Study by gas chromatography of the changes produced in surface area and surface heterogeneity of a graphitized carbon black upon air activation. Journal of Colloid and Interface Science, 1986, 112, 293-295.	9.4	8
157	Hydrogenation of CO2 and CO by Fe catalysts obtained from Fe2(CO)9 and Fe3(CO)12 clusters supported on activated carbons. Fuel, 1995, 74, 830-835.	6.4	8
158	Skeletal isomerization of 1-butene on tungsten oxide catalysts supported on activated carbons with various surface oxygen contents. Carbon, 2003, 41, 863-866.	10.3	7
159	Influence of Carbonâ"Chlorine Surface Complexes on the Properties of Tungsten Oxide Supported on Activated Carbons. 2. Surface Acidity and Skeletal Isomerization of 1-Butene. Journal of Physical Chemistry B, 2003, 107, 5003-5007.	2.6	6
160	Importance of the rheological properties of resorcinolâ€“formaldehyde sols in the preparation of Cu-doped organic and carbon xerogel microspheres. Carbon, 2013, 53, 402-405.	10.3	6
161	Influence of the particle size of metal in the hydrogenolysis of n-butane on carbon supported iron catalysts. Reaction Kinetics and Catalysis Letters, 1985, 27, 283-286.	0.6	5
162	Effect of preparation conditions on the properties of carbon-supported nickel catalysts. Reaction Kinetics and Catalysis Letters, 1991, 43, 93-98.	0.6	5

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163	Thermal desorption of gallic acid from activated carbon surfaces. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 3213-3217.	1.7	5
164	Growth and spontaneous differentiation of umbilical-cord stromal stem cells on activated carbon cloth. Journal of Materials Chemistry B, 2013, 1, 3359.	5.8	5
165	Influence of Carbonâ^'Chlorine Surface Complexes on the Properties of Tungsten Oxide Supported on Activated Carbons. 1. Dispersion, Distribution, and Chemical Nature of the Metal Oxide Phase. Journal of Physical Chemistry B, 2003, 107, 4997-5002.	2.6	4
166	Carbon Aerogel-Supported Pt Catalysts for the Hydrogenolysis and Isomerization of n-Butane: Influence of the Carbonization Temperature of the Support and Pt Particle Size. Catalysts, 2012, 2, 422-433.	3.5	4
167	On porosity of archeological bones II. Textural characterization of Mesoamerican human bones. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 414, 493-499.	2.3	4
168	Fenton oxidation of gallic and p-coumaric acids in water assisted by an activated carbon cloth. Water Science and Technology, 2015, 71, 789-794.	2.5	4
169	Behaviour of Ag, Cu and Ag-Cu catalysts in the gasification reaction of a lignite char in air. Effect of SO2 on these catalysts. Fuel, 1986, 65, 1419-1422.	6.4	3
170	Preparation and characterization of new adsorbent materials from the olive wastes. European Physical Journal Special Topics, 2005, 123, 121-124.	0.2	3
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