

Carlos Moreno-Castilla

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#	Paper	IF	Citations
179	Adsorption of organic molecules from aqueous solutions on carbon materials. <i>Carbon</i> , 2004 , 42, 83-94	10.4	949
178	Changes in surface chemistry of activated carbons by wet oxidation. <i>Carbon</i> , 2000 , 38, 1995-2001	10.4	694
177	On the characterization of acidic and basic surface sites on carbons by various techniques. <i>Carbon</i> , 1999 , 37, 1215-1221	10.4	604
176	Carbon aerogels for catalysis applications: An overview. <i>Carbon</i> , 2005 , 43, 455-465	10.4	538
175	Activated Carbon Surface Modifications by Nitric Acid, Hydrogen Peroxide, and Ammonium Peroxydisulfate Treatments. <i>Langmuir</i> , 1995 , 11, 4386-4392	4	449
174	Azo-dye Orange II degradation by heterogeneous Fenton-like reaction using carbon-Fe catalysts. <i>Applied Catalysis B: Environmental</i> , 2007 , 75, 312-323	21.8	432
173	Catalytic Graphitization of Carbon Aerogels by Transition Metals. <i>Langmuir</i> , 2000 , 16, 4367-4373	4	393
172	Bisphenol A removal from water by activated carbon. Effects of carbon characteristics and solution chemistry. <i>Environmental Science & Technology</i> , 2005 , 39, 6246-50	10.3	327
171	Activated carbon surface modifications by adsorption of bacteria and their effect on aqueous lead adsorption. <i>Journal of Chemical Technology and Biotechnology</i> , 2001 , 76, 1209-1215	3.5	320
170	Activated carbons from KOH-activation of argan (<i>Argania spinosa</i>) seed shells as supercapacitor electrodes. <i>Bioresource Technology</i> , 2012 , 111, 185-90	11	305
169	Effects of non-oxidant and oxidant acid treatments on the surface properties of an activated carbon with very low ash content. <i>Carbon</i> , 1998 , 36, 145-151	10.4	262
168	Optimization of conditions for the preparation of activated carbons from olive-waste cakes. <i>Carbon</i> , 2001 , 39, 425-432	10.4	243
167	Adsorption of some substituted phenols on activated carbons from a bituminous coal. <i>Carbon</i> , 1995 , 33, 845-851	10.4	180
166	The creation of acid carbon surfaces by treatment with (NH ₄) ₂ S ₂ O ₈ . <i>Carbon</i> , 1997 , 35, 1619-1626	10.4	173
165	Synthesis and textural characteristics of organic aerogels, transition-metal-containing organic aerogels and their carbonized derivatives. <i>Carbon</i> , 1999 , 37, 1199-1205	10.4	159
164	Regularities in the temperature-programmed desorption spectra of CO ₂ and CO from activated carbons. <i>Carbon</i> , 2000 , 38, 1297-1308	10.4	154
163	Chemical and physical activation of olive-mill waste water to produce activated carbons. <i>Carbon</i> , 2001 , 39, 1415-1420	10.4	139

162	Adsorption of Humic Substances on Activated Carbon from Aqueous Solutions and Their Effect on the Removal of Cr(III) Ions. <i>Langmuir</i> , 1998 , 14, 1880-1886	4	128
161	On the nature of surface acid sites of chlorinated activated carbons. <i>Carbon</i> , 2003 , 41, 473-478	10.4	113
160	Thermal regeneration of an activated carbon exhausted with different substituted phenols. <i>Carbon</i> , 1995 , 33, 1417-1423	10.4	110
159	Surface-Treated Activated Carbon for Removal of Phenol from Water. <i>Separation Science and Technology</i> , 1980 , 15, 1733-1752	2.5	107
158	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, 1242-7	4	106
157	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	10.4	105
156	Granular and monolithic activated carbons from KOH-activation of olive stones. <i>Microporous and Mesoporous Materials</i> , 2006 , 92, 64-70	5.3	100
155	Bioadsorption of Pb(II), Cd(II), and Cr(VI) on activated carbon from aqueous solutions. <i>Carbon</i> , 2003 , 41, 323-330	10.4	95
154	Water adsorption on activated carbons with different degrees of oxidation. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997 , 93, 2211-2215		92
153	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, 8142-8 ⁴		92
152	Adsorption of Phenolic Compounds from Aqueous Solutions, by Activated Carbons, Described by the Dubinin-Astakhov Equation. <i>Langmuir</i> , 2001 , 17, 3301-3306	4	91
151	Physicochemical Surface Properties of Fe, Co, Ni, and Cu-Doped Monolithic Organic Aerogels. <i>Langmuir</i> , 2003 , 19, 5650-5655	4	90
150	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	10.4	89
149	Catalytic combustion of toluene on platinum-containing monolithic carbon aerogels. <i>Applied Catalysis B: Environmental</i> , 2004 , 54, 217-224	21.8	87
148	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	5.1	87
147	Surface chemistry, porous texture, and morphology of N-doped carbon aerogels. <i>Langmuir</i> , 2009 , 25, 466-70	4	78
146	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	4	78
145	Specific and non-specific interactions of water molecules with carbon surfaces from immersion calorimetry. <i>Carbon</i> , 2000 , 38, 825-829	10.4	75

144	Dehydration of methanol to dimethyl ether catalyzed by oxidized activated carbons with varying surface acidic character. <i>Carbon</i> , 2001 , 39, 869-875	10.4	74
143	Regeneration of activated carbons exhausted with chlorophenols. <i>Carbon</i> , 1993 , 31, 857-863	10.4	73
142	Mixed iron oxides as Fenton catalysts for gallic acid removal from aqueous solutions. <i>Applied Catalysis B: Environmental</i> , 2016 , 196, 207-215	21.8	68
141	Reversible toluene adsorption on monolithic carbon aerogels. <i>Journal of Hazardous Materials</i> , 2007 , 148, 548-52	12.8	67
140	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, 119-123	5.3	66
139	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, 335-41	9.3	64
138	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	3.4	64
137	Adsorption of benzene, toluene, and xylenes on monolithic carbon aerogels from dry air flows. <i>Langmuir</i> , 2007 , 23, 10095-101	4	62
136	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	8.9	61
135	Surface Characteristics of Titania/Carbon Composite Aerogels. <i>Langmuir</i> , 2002 , 18, 2295-2299	4	61
134	Kinetics of diuron and amitrole adsorption from aqueous solution on activated carbons. <i>Journal of Hazardous Materials</i> , 2008 , 156, 472-7	12.8	58
133	Synthesis, pore texture and surface acid/base character of TiO ₂ /carbon composite xerogels and aerogels and their carbonized derivatives. <i>Applied Catalysis A: General</i> , 2000 , 203, 151-159	5.1	58
132	Applicability of the Dubinin-Radushkevich equation to carbon dioxide adsorption on activated carbons. <i>Langmuir</i> , 1993 , 9, 2758-2760	4	58
131	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	10.4	56
130	Carbon Materials as Adsorbents for the Removal of Pollutants from the Aqueous Phase. <i>MRS Bulletin</i> , 2001 , 26, 890-894	3.2	56
129	Experimental design to optimize preparation of activated carbons for use in water treatment. <i>Environmental Science & Technology</i> , 2002 , 36, 3844-9	10.3	56
128	Tungsten and Tungsten Carbide Supported on Activated Carbon: Surface Structures and Performance for Ethylene Hydrogenation. <i>Langmuir</i> , 2001 , 17, 1752-1756	4	55
127	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	21.8	54

126	Water sorption on silica- and zeolite-supported hygroscopic salts for cooling system applications. <i>Energy Conversion and Management</i> , 2012 , 53, 219-223	10.6	53
125	Ionic strength effects in aqueous phase adsorption of metal ions on activated carbons. <i>Carbon</i> , 2003 , 41, 2020-2022	10.4	51
124	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	7.3	51
123	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, 2865-70	12.5	47
122	Metal-doped carbon xerogels for the electro-catalytic conversion of CO ₂ to hydrocarbons. <i>Carbon</i> , 2013 , 56, 324-331	10.4	46
121	Specific and Nonspecific Interactions between Methanol and Ethanol and Active Carbons. <i>Langmuir</i> , 2000 , 16, 5967-5972	4	46
120	Carbon as a support for catalysts III glassy carbon as a support for iron. <i>Carbon</i> , 1980 , 18, 271-276	10.4	45
119	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	10.4	44
118	Microporous activated carbons from a bituminous coal. <i>Fuel</i> , 1996 , 75, 966-970	7.1	44
117	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	10.4	44
116	Carbon-Based Honeycomb Monoliths for Environmental Gas-Phase Applications. <i>Materials</i> , 2010 , 3, 1203-1227	3.5	43
115	Electrochemical performance of carbon gels with variable surface chemistry and physics. <i>Carbon</i> , 2012 , 50, 3324-3332	10.4	42
114	Water adsorption on zeolite 13X: comparison of the two methods based on mass spectrometry and thermogravimetry. <i>Adsorption</i> , 2010 , 16, 141-146	2.6	42
113	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> , 2007 , 32, 575-579		42
112	Temperature dependence of herbicide adsorption from aqueous solutions on activated carbon fiber and cloth. <i>Langmuir</i> , 2006 , 22, 9586-90	4	42
111	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	21.8	42
110	Study of heat-treated Spanish lignites. <i>Fuel</i> , 1985 , 64, 666-673	7.1	42
109	Pd and Pt catalysts supported on carbon-coated monoliths for low-temperature combustion of xylenes. <i>Carbon</i> , 2006 , 44, 2463-2468	10.4	41

108	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, 6166-73	4	40
107	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, 879-85	12.5	40
106	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	10.4	40
105	Influence of support surface properties on activity of bacteria immobilised on activated carbons for water denitrification. <i>Carbon</i> , 2003 , 41, 1743-1749	10.4	40
104	Porous carbon as support for iron and ruthenium catalysts. <i>Fuel</i> , 1984 , 63, 1089-1094	7.1	40
103	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, 8681-8	3.4	39
102	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	7.3	39
101	Adsorption mechanisms of metal cations from water on an oxidized carbon surface. <i>Journal of Colloid and Interface Science</i> , 2010 , 345, 461-6	9.3	38
100	Temperature dependence of the point of zero charge of oxidized and non-oxidized activated carbons. <i>Carbon</i> , 2008 , 46, 778-787	10.4	38
99	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	10.4	38
98	Synthesis and surface characteristics of silica and alumina-carbon composite xerogels. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 4818-4822	3.6	34
97	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	9.3	33
96	Morphology of heat-treated tungsten doped monolithic carbon aerogels. <i>Carbon</i> , 2003 , 41, 1291-1299	10.4	33
95	Methanol partial oxidation on carbon-supported Pt and Pd catalysts. <i>Catalysis Today</i> , 2007 , 123, 158-163	5.3	32
94	Metal-carbon aerogels as catalysts and catalyst supports. <i>Studies in Surface Science and Catalysis</i> , 2000 , 1007-1012	1.8	32
93	Boiled versus unboiled: a study on Neolithic and contemporary human bones. <i>Journal of Archaeological Science</i> , 2011 , 38, 2561-2570	2.9	31
92	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	21.8	31
91	Use of activated carbons obtained from agricultural by-products for the adsorption of some hydrocarbons. <i>Langmuir</i> , 1991 , 7, 339-343	4	30

90	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	10.4	30
89	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	10.2	29
88	Activated carbons from a subbituminous coal: Pore texture and electrokinetic properties. <i>Carbon</i> , 1993 , 31, 815-819	10.4	29
87	Adsorption and thermal desorption of the herbicide fluroxypyr on activated carbon fibers and cloth at different pH values. <i>Journal of Colloid and Interface Science</i> , 2009 , 331, 2-7	9.3	28
86	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	10.4	28
85	On the Adsorption of Formaldehyde at High Temperatures and Zero Surface Coverage. <i>Langmuir</i> , 1999 , 15, 3226-3231	4	28
84	The use of activated carbon columns for the removal of ortho-phosphate ions from aqueous solutions. <i>Carbon</i> , 1990 , 28, 91-95	10.4	28
83	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	7.1	28
82	Molybdenum carbide formation in molybdenum-doped organic and carbon aerogels. <i>Langmuir</i> , 2005 , 21, 10850-5	4	27
81	Thermal Desorption of Chlorophenols from Activated Carbons with Different Porosity. <i>Langmuir</i> , 1995 , 11, 2648-2651	4	26
80	Adsorption of SO ₂ in flowing air onto activated carbons from olive stones. <i>Fuel</i> , 1992 , 71, 575-578	7.1	26
79	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	5.1	25
78	Tungsten catalysts supported on activated carbon. Skeletal isomerization of 1-butene. <i>Journal of Catalysis</i> , 2000 , 192, 374-380	7.3	25
77	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		25
76	Adsorption of carbon dioxide on activated carbons from diluted ambient environments. <i>Energy & Fuels</i> , 1994 , 8, 239-243	4.1	25
75	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	4.5	25
74	Distribution of surface oxygen complexes on activated carbons from immersion calorimetry, titration and temperature-programmed desorption techniques. <i>Carbon</i> , 2001 , 39, 2235-2237	10.4	23
73	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	9.3	23

72	Adsorption capacity of Saran carbons at high temperatures and under dynamic conditions. <i>Carbon</i> , 1984 , 22, 301-304	10.4	23
71	The dynamic adsorption of several hydrocarbons on active carbons. <i>Journal of Colloid and Interface Science</i> , 1990 , 136, 160-167	9.3	22
70	Activated carbon cloth as support for mesenchymal stem cell growth and differentiation to osteocytes. <i>Carbon</i> , 2009 , 47, 3574-3577	10.4	21
69	The effect of inorganic constituents of the support on the characteristics of carbon-supported platinum catalysts. <i>Applied Catalysis</i> , 1985 , 15, 293-300		21
68	Inter- and intra-primary-particle structure of monolithic carbon aerogels obtained with varying solvents. <i>Langmuir</i> , 2008 , 24, 2820-5	4	20
67	Adsorption of hydrocarbons on graphites and graphitized carbon black at zero surface coverage. <i>Journal of Chromatography A</i> , 1984 , 294, 41-50	4.5	20
66	Colloidal and micro-carbon spheres derived from low-temperature polymerization reactions. <i>Advances in Colloid and Interface Science</i> , 2016 , 236, 113-41	14.3	20
65	Adsorption of Organic Probes on Carbon Materials at Zero Surface Coverage. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 8191-8196	3.4	19
64	Chemical and thermal regeneration of an activated carbon saturated with chlorophenols. <i>Journal of Chemical Technology and Biotechnology</i> , 1996 , 67, 183-189	3.5	19
63	The striking behaviour of copper catalysing the gasification reaction of coal chars in dry air. <i>Fuel</i> , 1987 , 66, 113-118	7.1	19
62	On the Carbon Dioxide and Benzene Adsorption on Activated Carbons To Study Their Micropore Structure. <i>Langmuir</i> , 1997 , 13, 5208-5210	4	18
61	Air gasification of activated carbons and chars catalysed by Cr ₂ O ₃ and MoO ₂ . <i>Fuel</i> , 1990 , 69, 354-361	7.1	18
60	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		18
59	Decomposition Reactions of Methanol and Ethanol Catalyzed by Tungsten Oxide Supported on Activated Carbon. <i>Reaction Kinetics and Catalysis Letters</i> , 2000 , 71, 137-142		17
58	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		17
57	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		17
56	Electrochemical performance of Cu- and Ag-doped carbon aerogels. <i>Materials Chemistry and Physics</i> , 2013 , 138, 870-876	4.4	16
55	Nanoporous carbon materials: Comparison between information obtained by SAXS and WAXS and by gas adsorption. <i>Carbon</i> , 2005 , 43, 3009-3012	10.4	16

54	Activated carbon cloth as adsorbent and oxidation catalyst for the removal of amitrole from aqueous solution. <i>Adsorption</i> , 2011 , 17, 413-419	2.6	15
53	Determination of the Micropore Texture of Some Glassy Carbons Using Molecular Probes□ <i>Langmuir</i> , 1997 , 13, 1218-1224	4	15
52	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	4	15
51	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	10.4	15
50	Synthesis, surface characteristics, and electrochemical capacitance of Cu-doped carbon xerogel microspheres. <i>Carbon</i> , 2013 , 55, 260-268	10.4	14
49	Reactivity of Spanish coal chars in dry air. <i>Fuel</i> , 1987 , 66, 237-241	7.1	14
48	Removal of Phenolic Compounds from Water Using Copper Ferrite Nanosphere Composites as Fenton Catalysts. <i>Nanomaterials</i> , 2019 , 9,	5.4	13
47	Influence of the boron precursor and drying method on surface properties and electrochemical behavior of boron-doped carbon gels. <i>Langmuir</i> , 2014 , 30, 1716-22	4	13
46	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		13
45	Carbon molecular sieves produced by the fixation of sulphur surface complexes. <i>Chromatographia</i> , 1985 , 20, 709-712	2.1	13
44	Effect of hydrogen reduction on the surface characteristics of carbon-supported iron and ruthenium catalysts. <i>Applied Catalysis</i> , 1986 , 23, 299-307		13
43	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	2.3	11
42	Adsorption of SO ₂ from flowing air by alkaline-oxide-containing activated carbons. <i>Applied Catalysis B: Environmental</i> , 1997 , 13, 229-240	21.8	11
41	Deminerallization of a bituminous coal by froth flotation before obtaining activated carbons. <i>Carbon</i> , 1996 , 34, 917-921	10.4	11
40	Physicochemical characteristics of calcined MnFeO solid nanospheres and their catalytic activity to oxidize para-nitrophenol with peroxymonosulfate and n-C asphaltenes with air. <i>Journal of Environmental Management</i> , 2021 , 281, 111871	7.9	11
39	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	2.6	10
38	MoO ₂ as catalyst in the CO ₂ gasification of activated carbons and chars. <i>Fuel</i> , 1991 , 70, 13-16	7.1	10
37	Removal of tannic acid from aqueous solutions by activated carbons. <i>The Chemical Engineering Journal</i> , 1993 , 52, 37-39		10

36	Vanadium pentoxide as catalyst in the air gasification of chars. <i>Fuel</i> , 1989 , 68, 968-971	7.1	10
35	High Temperature Adsorption of Hydrocarbons by Activated Carbons Prepared from Olive Stones. <i>Adsorption Science and Technology</i> , 1984 , 1, 103-109	3.6	10
34	Changes in surface homogeneity of a graphite upon gasification. <i>Carbon</i> , 1978 , 16, 397-401	10.4	10
33	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, 449-53	9.3	9
32	Thermal desorption of chlorophenols from activated carbon. Influence of the treatment atmosphere. <i>Carbon</i> , 1994 , 32, 743-746	10.4	9
31	Symmetric Supercapacitor Electrodes from KOH Activation of Pristine, Carbonized, and Hydrothermally Treated Melia azedarach Stones. <i>Materials</i> , 2017 , 10,	3.5	8
30	A TPD Study of Chromium Catalysts Supported on an Oxidized and Nonoxidized Activated Carbon. <i>Energy & Fuels</i> , 1994 , 8, 1233-1237	4.1	8
29	Steam gasification of a lignite char catalysed by metals from chromium to zinc. <i>Fuel</i> , 1992 , 71, 105-108	7.1	8
28	Study by gas chromatography of the changes produced in surface area and surface heterogeneity of a graphitized carbon black upon air activation. <i>Journal of Colloid and Interface Science</i> , 1986 , 112, 293-295	9.3	8
27	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	5.1	6
26	Importance of the rheological properties of resorcinol-formaldehyde sols in the preparation of Cu-doped organic and carbon xerogel microspheres. <i>Carbon</i> , 2013 , 53, 402-405	10.4	6
25	Skeletal isomerization of 1-butene on tungsten oxide catalysts supported on activated carbons with various surface oxygen contents. <i>Carbon</i> , 2003 , 41, 863-866	10.4	5
24	Thermal desorption of gallic acid from activated carbon surfaces. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995 , 91, 3213-3217		5
23	Hydrogenation of CO ₂ and CO by Fe catalysts obtained from Fe ₂ (CO) ₉ and Fe ₃ (CO) ₁₂ clusters supported on activated carbons. <i>Fuel</i> , 1995 , 74, 830-835	7.1	5
22	Effect of preparation conditions on the properties of carbon-supported nickel catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1991 , 43, 93-98		5
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