Francisco Rodriguez-Reinoso

List of Publications by Year
in descending order

359 papers	32,197 citations	10986 71 h-index	4885 168 g-index
372 all docs	372 docs citations	372 times ranked	27149 citing authors

#	Article	IF	Citations
1	Physisorption of gases, with special reference to the evaluation of surface area and pore size distribution (IUPAC Technical Report). Pure and Applied Chemistry, 2015, 87, 1051-1069.	1.9	12,159
2	The role of carbon materials in heterogeneous catalysis. Carbon, 1998, 36, 159-175.	10.3	1,563
3	Role of chemical activation in the development of carbon porosity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 241, 15-25.	4.7	526
4	Activated carbons from lignocellulosic materials by chemical and/or physical activation: an overview. Carbon, 1992, 30, 1111-1118.	10.3	518
5	The use of steam and CO2 as activating agents in the preparation of activated carbons. Carbon, 1995, 33, 15-23.	10.3	501
6	Use of nitrogen vs. carbon dioxide in the characterization of activated carbons. Langmuir, 1987, 3, 76-81.	3.5	463
7	Preparation of activated carbon by chemical activation with ZnCl2. Carbon, 1991, 29, 999-1007.	10.3	453
8	Activated Carbon (Origins). , 2006, , 13-86.		377
9	Effect of steam and carbon dioxide activation in the micropore size distribution of activated carbon. Carbon, 1996, 34, 505-509.	10.3	318
10	Highâ€Surfaceâ€Area Carbon Molecular Sieves for Selective CO₂ Adsorption. ChemSusChem, 2010, 3, 974-981.	6.8	316
11	Porosity in granular carbons activated with phosphoric acid. Carbon, 1995, 33, 1105-1113.	10.3	299
12	The effect of oxygen surface groups of the support on platinum dispersion in Pt/carbon catalysts. Journal of Catalysis, 1989, 115, 98-106.	6.2	260
13	A standard adsorption isotherm for the characterization of activated carbons. The Journal of Physical Chemistry, 1987, 91, 515-516.	2.9	242
14	Nanoporous Materials for the Onboard Storage of Natural Gas. Chemical Reviews, 2017, 117, 1796-1825.	47.7	241
15	Critical temperatures in the synthesis of graphene-like materials by thermal exfoliationâ€“reduction of graphite oxide. Carbon, 2013, 52, 476-485.	10.3	236
16	The effect of the parent graphite on the structure of graphene oxide. Carbon, 2012, 50, 275-282.	10.3	188
17	Effect of the porous structure in carbon materials for CO2 capture at atmospheric and high-pressure. Carbon, 2014, 67, 230-235.	10.3	187
18	Methane hydrate formation in confined nanospace can surpass nature. Nature Communications, 2015, 6, 6432.	12.8	187

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19	Characterization of the adsorption site energies and heterogeneous surfaces of porous materials. Journal of Materials Chemistry A, 2019, 7, 10104-10137.	10.3	187
20	Preparation of Platinum Supported on Pregraphitized Carbon Blacks. Langmuir, 1994, 10, 750-755.	3.5	181
21	High-Pressure Methane Storage in Porous Materials: Are Carbon Materials in the Pole Position?. Chemistry of Materials, 2015, 27, 959-964.	6.7	178
22	Activated carbons from almond shellsâ€"I. Carbon, 1982, 20, 513-518.	10.3	175
23	The combined use of different approaches in the characterization of microporous carbons. Carbon, 1989, 27, 23-32.	10.3	168
24	Ultrahigh CO2 adsorption capacity on carbon molecular sieves at room temperature. Chemical Communications, 2011, 47, 6840.	4.1	166
25	An activated carbon monolith as an electrode material for supercapacitors. Carbon, 2009, 47, 195-200.	10.3	158
26	Chemical versus physical activation of coconut shell: A comparative study. Microporous and Mesoporous Materials, 2012, 152, 163-171.	4.4	151
27	Effect of microporosity and oxygen surface groups of activated carbon in the adsorption of molecules of different polarity. The Journal of Physical Chemistry, 1992, 96, 2707-2713.	2.9	150
28	Raman spectroscopy study of the transformation of the carbonaceous skeleton of a polymer-based nanoporous carbon along the thermal annealing pathway. Carbon, 2015, 85, 147-158.	10.3	145
29	Adsorption of substituted phenols on activated carbon. Journal of Colloid and Interface Science, 1988, 124, 528-534.	9.4	137
30	Platinum catalysts supported on activated carbons I. Preparation and characterization. Journal of Catalysis, 1986, 99, 171-183.	6.2	135
31	Gas phase hydrogenation of crotonaldehyde over Pt/Activated carbon catalysts. Influence of the oxygen surface groups on the support. Applied Catalysis A: General, 1997, 150, 165-183.	4.3	134
32	Effect of Sn addition to Pt/CeO2â€“Al2O3 and Pt/Al2O3 catalysts: An XPS, 119Sn MÃ¶ssbauer and microcalorimetry study. Journal of Catalysis, 2006, 241, 378-388.	6.2	134
33	Heat-Treated Carbon-Blacks as Supports for Platinum Catalysts. Journal of Catalysis, 1995, 154, 299-305.	6.2	132
34	Crotonaldehyde hydrogenation over bimetallic Ptî—¸Sn catalysts supported on pregraphitized carbon black. Effect of the preparation method. Applied Catalysis A: General, 1996, 148, 63-80.	4.3	132
35	Improved Metal-Support Interaction in Pt/CeO2/SiO2 Catalysts after Zinc Addition. Journal of Catalysis, 2002, 210, 127-136.	6.2	131
36	Modification of the porous structure along the preparation of activated carbon monoliths with H3PO4 and ZnCl2. Microporous and Mesoporous Materials, 2007, 103, 29-34.	4.4	129

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37	Tailoring biomass-based activated carbon for CH4 storage by combining chemical activation with H3PO4 or ZnCl2 and physical activation with CO2. Carbon, 2016, 110, 138-147.	10.3	125
38	Physical characterization of activated carbons with narrow microporosity by nitrogen (77.4K), carbon dioxide (273K) and argon (87.3K) adsorption in combination with immersion calorimetry. Carbon, 2012, 50, 3128-3133.	10.3	119
39	Semicokes from pitch pyrolysis: mechanisms and kinetics. Carbon, 1999, 37, 363-390.	10.3	114
40	Preparation and characterization of active carbons from olive stones. Carbon, 1980, 18, 413-418.	10.3	111
41	Characterization of microporous solids by immersion calorimetry. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 187-188, 151-165.	4.7	111
42	CO2 adsorption on carbon molecular sieves. Microporous and Mesoporous Materials, 2012, 164, 280-287.	4.4	108
43	Crotonaldehyde hydrogenation over bimetallic Ptî—Sn catalysts supported on pregraphitized carbon black. Effect of the Sn/Pt atomic ratio. Applied Catalysis A: General, 1996, 136, 231-248.	4.3	105
44	Paving the way for methane hydrate formation on metalâ€“organic frameworks (MOFs). Chemical Science, 2016, 7, 3658-3666.	7.4	103
45	Ethanol removal using activated carbon: Effect of porous structure and surface chemistry. Microporous and Mesoporous Materials, 2009, 120, 62-68.	4.4	102
46	Ammonia Removal Using Activated Carbons: Effect of the Surface Chemistry in Dry and Moist Conditions. Environmental Science & Technology, 2011, 45, 10605-10610.	10.0	102
47	Development of porosity in combined phosphoric acid-carbon dioxide activation. Carbon, 1996, 34, 457-462.	10.3	98
48	Hydrogenation of Î±, Î² unsaturated aldehydes over polycrystalline, (111) and (100) preferentially oriented Pt nanoparticles supported on carbon. Journal of Catalysis, 2008, 253, 159-166.	6.2	95
49	Thermodynamics of the high temperature adsorption of some permanent gases by porous carbons. Journal of the Chemical Society Faraday Transactions I, 1974, 70, 2154.	1.0	90
50	A Highâ€Volumetricâ€Capacity Cathode Based on Interconnected Closeâ€Packed Nâ€Doped Porous Carbon Nanospheres for Longâ€Life Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2017, 7, 1701082.	19.5	88
51	Effect of carbon support and mean Pt particle size on hydrogen chemisorption by carbon-supported Pt ctalysts. Journal of Catalysis, 1991, 128, 397-404.	6.2	87
52	Preparation of granular activated carbons for adsorption of natural gas. Microporous and Mesoporous Materials, 2008, 109, 581-584.	4.4	86
53	Low-Pressure Hysteresis in Adsorption: An Artifact?. Journal of Physical Chemistry C, 2012, 116, 16652-16655.	3.1	86
54	Effect of steam activation on the porosity and chemical nature of activated carbons from Eucalyptus globulus and peach stones. Microporous Materials, 1997, 8, 123-130.	1.6	85

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55	Bimetallic PtSn/C catalysts promoted by ceria: Application in the nonoxidative dehydrogenation of isobutane. Journal of Catalysis, 2007, 246, 158-165.	6.2	85
56	Activation routes for high surface area graphene monoliths from graphene oxide colloids. Carbon, 2014, 76, 220-231.	10.3	85
57	Cluster-mediated filling of water vapor in intratube and interstitial nanospaces of single-wall carbon nanohorns. Chemical Physics Letters, 2002, 366, 463-468.	2.6	83
58	Vapor-Phase Hydrogenation of Crotonaldehyde on Titania-Supported Pt and PtSn SMSI Catalysts. Journal of Catalysis, 2002, 212, 94-103.	6.2	83
59	Carbon foam prepared by pyrolysis of olive stones under steam. Carbon, 2006, 44, 1448-1454.	10.3	82
60	CO2 activation of olive stones carbonized under different experimental conditions. Carbon, 1997, 35, 159-162.	10.3	80
61	Nearly Space-Filling Fractal Networks of Carbon Nanopores. Physical Review Letters, 2002, 88, 115502.	7.8	80
62	Synthesis of SiC from rice husks catalysed by iron, cobalt or nickel. Journal of Materials Science, 1996, 31, 779-784.	3.7	79
63	Preparation of activated carbon cloths from viscous rayon. Part I. Carbonization procedures. Carbon, 1999, 37, 1275-1283.	10.3	79
64	Pressure infiltration of Alâ€“12wt.% Siâ€“X (X=Cu, Ti, Mg) alloys into graphite particle preforms. Acta Materialia, 2006, 54, 1821-1831.	7.9	78
65	Evolution of surface area in a sepiolite as a function of acid and heat treatments. Clay Minerals, 1978, 13, 375-385.	0.6	77
66	Pyrolysis of petroleum residues. Carbon, 2000, 38, 535-546.	10.3	76
67	Sepiolite-based adsorbents as humidity controller. Applied Clay Science, 2001, 20, 111-118.	5.2	76
68	Phosphoric acid activated carbon discs for methane adsorption. Carbon, 2003, 41, 2113-2119.	10.3	76
69	Influence of Zn on the characteristics and catalytic behavior of TiO2-supported Pt catalysts. Journal of Catalysis, 2004, 223, 179-190.	6.2	76
70	Effect of Oxygen Surface Groups on the Immersion Enthalpy of Activated Carbons in Liquids of Different Polarity. Langmuir, 1997, 13, 2354-2358.	3.5	74
71	Controlled Opening of Single-Wall Carbon Nanohorns by Heat Treatment in Carbon Dioxide. Journal of Physical Chemistry B, 2003, 107, 4479-4484.	2.6	74
72	Steam activation of olive stone chars, development of porosity. Carbon, 1994, 32, 1407-1413.	10.3	73

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73	Adsorptionâ€“desorption of water vapor by natural and heat-treated sepiolite in ambient air. Applied Clay Science, 1999, 15, 367-380.	5.2	71
74	Adsorption of methane into ZnCl2-activated carbon derived discs. Microporous and Mesoporous Materials, 2004, 76, 185-191.	4.4	71
75	Effect of the support composition on the vapor-phase hydrogenation of crotonaldehyde over Pt/CexZr1â^'xO2 catalysts. Journal of Catalysis, 2006, 241, 45-55.	6.2	71
76	Preparation of activated carbon cloth from viscous rayon. Carbon, 2001, 39, 389-398.	10.3	70
77	Synthesis of activated carbon with highly developed â€œmesoporosityâ€• Microporous and Mesoporous Materials, 2009, 117, 519-521.	4.4	70
78	Preparation of activated carbon from date pits: Effect of the activation agent and liquid phase oxidation. Journal of Analytical and Applied Pyrolysis, 2009, 86, 168-172.	5.5	68
79	Enhancing the catalytic performance of Pt/ZnO in the selective hydrogenation of cinnamaldehyde by Cr addition to the support. Journal of Catalysis, 2008, 258, 52-60.	6.2	67
80	Preparation and characterization of CeO2 highly dispersed on activated carbon. Materials Research Bulletin, 2008, 43, 1850-1857.	5.2	66
81	Water adsorption in hydrophilic zeolites: experiment and simulation. Physical Chemistry Chemical Physics, 2013, 15, 17374.	2.8	66
82	Micro/Mesoporous Activated Carbons Derived from Polyaniline: Promising Candidates for CO₂ Adsorption. Industrial & Engineering Chemistry Research, 2014, 53, 15398-15405.	3.7	66
83	A comparison of the porous texture of two CO2 activated botanic materials. Carbon, 1985, 23, 19-24.	10.3	65
84	Preparation of activated carbon cloths from viscous rayon. Part II: physical activation processes. Carbon, 2000, 38, 379-395.	10.3	63
85	Ultramicropore Characterization of Microporous Carbons by Low-Temperature Helium Adsorption. The Journal of Physical Chemistry, 1996, 100, 10331-10336.	2.9	62
86	Carbon-supported ionic liquids as innovative adsorbents for CO2 separation from synthetic flue-gas. Journal of Colloid and Interface Science, 2015, 448, 41-50.	9.4	62
87	Effect of Pore Morphology on the Adsorption of Methane/Hydrogen Mixtures on Carbon Micropores. Journal of Physical Chemistry C, 2012, 116, 11820-11829.	3.1	61
88	Modification of the catalytic behaviour of platinum by zinc in crotonaldehyde hydrogenation and iso-butane dehydrogenation. Applied Catalysis A: General, 2005, 292, 244-251.	4.3	60
89	High selectivity of TiC-CDC for CO2/N2 separation. Carbon, 2013, 59, 221-228.	10.3	60
90	Porosity development along the synthesis of carbons from metal carbides. Microporous and Mesoporous Materials, 2008, 113, 14-21.	4.4	59

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91	Delayed coking: Industrial and laboratory aspects. Carbon, 1998, 36, 105-116.	10.3	58
92	The combined effect of porosity and reactivity of the carbon preforms on the properties of SiC produced by reactive infiltration with liquid Si. Carbon, 2009, 47, 2200-2210.	10.3	58
93	Adsorption of CO2 and SO2 on activated carbons with a wide range of micropore size distribution. Carbon, 1995, 33, 1777-1782.	10.3	57
94	Controlling carbon microporosity: the structure of carbons obtained from different phenolic resin precursors. Carbon, 2002, 40, 743-749.	10.3	57
95	Catalytic oxidation of Fe(II) by activated carbon in the presence of oxygen.. Carbon, 2002, 40, 2827-2834.	10.3	56
96	Characterization of Activated Carbon. , 2006, , 143-242.		56
97	Production of binderless activated carbon monoliths by KOH activation of carbon mesophase materials. Carbon, 2008, 46, 384-386.	10.3	55
98	Platinum nanoparticles supported on titania as an efficient hydrogen-transfer catalyst. Journal of Catalysis, 2008, 260, 113-118.	6.2	55
99	Is There Any Microporosity in Ordered Mesoporous Silicas?. Langmuir, 2009, 25, 939-943.	3.5	55
100	A site energy distribution function from Toth isotherm for adsorption of gases on heterogeneous surfaces. Physical Chemistry Chemical Physics, 2011, 13, 5753.	2.8	55
101	The adsorptive properties of carbonised olive stones. Carbon, 1973, 11, 633-638.	10.3	54
102	Evaluation of the microporosity in activated carbons by n-nonane preadsorption. Journal of Colloid and Interface Science, 1985, 106, 315-323.	9.4	54
103	Crotonaldehyde hydrogenation over alumina- and silica-supported Ptâ€“Sn catalysts of different composition. In situ DRIFT study. Physical Chemistry Chemical Physics, 2000, 2, 3063-3069.	2.8	54
104	Post-combustion CO2 adsorption on activated carbons with different textural properties. Microporous and Mesoporous Materials, 2015, 209, 157-164.	4.4	54
105	High saturation capacity of activated carbons prepared from mesophase pitch in the removal of volatile organic compounds. Carbon, 2010, 48, 548-556.	10.3	53
106	Porosity of activated carbons prepared from different lignocellulosic materials. Carbon, 1995, 33, 1175-1177.	10.3	52
107	Kinetic Restrictions in the Characterization of Narrow Microporosity in Carbon Materials. Journal of Physical Chemistry C, 2007, 111, 3803-3805.	3.1	52
108	Very high methane uptake on activated carbons prepared from mesophase pitch: A compromise between microporosity and bulk density. Carbon, 2015, 93, 11-21.	10.3	52

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109	Impregnation of activated carbon with chromium and copper salts: Effect of porosity and metal content. Carbon, 1994, 32, 1259-1265.	10.3	51
110	Textural and Surface Characterization of Cork-Based Sorbents for the Removal of Oil from Water. Industrial & Engineering Chemistry Research, 2013, 52, 16427-16435.	3.7	51
111	Effect of the presence of chlorine in bimetallic PtZn/CeO2 catalysts for the vapor-phase hydrogenation of crotonaldehyde. Applied Catalysis A: General, 2006, 304, 159-167.	4.3	50
112	The controlled reaction of active carbons with air at 350Â°Câ€”II. Carbon, 1984, 22, 123-130.	10.3	49
113	Active carbons from almond shells as adsorbents in gas and liquid phases. Journal of Chemical Technology and Biotechnology, 1980, 30, 65-72.	0.2	49
114	Ptâ€“Sn catalysts supported on highly-dispersed ceria on carbon. Journal of Molecular Catalysis A, 2007, 268, 227-234.	4.8	49
115	Hybrid isotherms for adsorption and capillary condensation of N2 at 77K on porous and non-porous materials. Chemical Engineering Journal, 2010, 162, 424-429.	12.7	49
116	Activation Processes (Chemical). , 2006, , 322-365.		48
117	Removal of BrO3 â¯ from drinking water samples using newly developed agricultural waste-based activated carbon and its determination by ultra-performance liquid chromatography-mass spectrometry. Environmental Science and Pollution Research, 2015, 22, 15853-15865.	5.3	48
118	Carbon molecular sieves from Eucalyptus globulus charcoal. Microporous and Mesoporous Materials, 2002, 56, 139-145.	4.4	47
119	Pore size distributions derived from adsorption isotherms, immersion calorimetry, and isosteric heats: A comparative study. Carbon, 2016, 96, 1106-1113.	10.3	47
120	Activated carbons from almond shellsâ€”II. Carbon, 1984, 22, 13-18.	10.3	46
121	Correlation between Surface Areas and Micropore Volumes of Activated Carbons Obtained from Physical Adsorption and Immersion Calorimetry. Langmuir, 1995, 11, 2151-2155.	3.5	46
122	Pyrolysis of petroleum residues: I. Yields and product analyses. Carbon, 1999, 37, 1567-1582.	10.3	46
123	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
124	A simplified route to the synthesis of CMK-3 replica based on precipitation polycondensation of furfuryl alcohol in SBA-15 pore system. Carbon, 2013, 64, 252-261.	10.3	46
125	Kinetic studies of the oxidation of highly oriented pyrolytic graphites. Carbon, 1974, 12, 63-70.	10.3	45
126	Catalytic nanomedicine: A new field in antitumor treatment using supported platinum nanoparticles. In vitro DNA degradation and in vivo tests with C6 animal model on Wistar rats. European Journal of Medicinal Chemistry, 2010, 45, 1982-1990.	5.5	45

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127	Correlation of methane uptake with microporosity and surface area of chemically activated carbons. Microporous and Mesoporous Materials, 2008, 115, 603-608.	4.4	44
128	Porous carbon as support for iron and ruthenium catalysts. Fuel, 1984, 63, 1089-1094.	6.4	42
129	Vapour phase hydrogenation of crotonaldehyde over magnesia-supported platinumâ€“tin catalysts. Physical Chemistry Chemical Physics, 2001, 3, 1782-1788.	2.8	42
130	Contribution to the Evaluation of Density of Methane Adsorbed on Activated Carbon. Journal of Physical Chemistry B, 2005, 109, 20227-20231.	2.6	42
131	Activation Processes (Thermal or Physical). , 2006, , 243-321.		42
132	Hydrogen adsorption on KOH activated carbons from mesophase pitch containing Si, B, Ti or Fe. Carbon, 2010, 48, 636-644.	10.3	41
133	Preparation of activated carbon cloths from viscous rayon. Carbon, 2000, 38, 397-406.	10.3	40
134	Low Temperature Catalytic Adsorption of SO₂ on Activated Carbon. Journal of Physical Chemistry C, 2008, 112, 15335-15340.	3.1	40
135	Assessment of CO₂ Adsorption Capacity on Activated Carbons by a Combination of Batch and Dynamic Tests. Langmuir, 2014, 30, 5840-5848.	3.5	40
136	Influence of the carbon material on the synthesis of silicon carbide. Carbon, 1999, 37, 1771-1778.	10.3	39
137	Ce promoted Pdâ€“Nb catalysts for Î³-valerolactone ring-opening and hydrogenation. Green Chemistry, 2012, 14, 3318.	9.0	39
138	Ethanol steam reforming on Ni/Al2O3 catalysts: Effect of the addition of Zn and Pt. Journal of Colloid and Interface Science, 2012, 383, 148-154.	9.4	39
139	Gas phase hydrogenation of crotonaldehyde over platinum supported on oxidized carbon black. Carbon, 1998, 36, 1011-1019.	10.3	38
140	Pyrolysis of petroleum residues: analysis of semicokes by X-ray diffraction. Carbon, 1999, 37, 1627-1632.	10.3	38
141	A continuous site energy distribution function from Redlichâ€“Peterson isotherm for adsorption on heterogeneous surfaces. Chemical Physics Letters, 2010, 492, 187-192.	2.6	38
142	Well-defined mesoporosity on lignocellulosic-derived activated carbons. Carbon, 2012, 50, 66-72.	10.3	38
143	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
144	Influence of the atmosphere used in the carbonization of phosphoric acid impregnated peach stones. Carbon, 1995, 33, 1180-1182.	10.3	37

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145	Porous structure of a sepiolite as deduced from the adsorption of N2, CO2, NH3 and H2O. Microporous and Mesoporous Materials, 2001, 47, 389-396.	4.4	37
146	Zn-modified MCM-41 as support for Pt catalysts. Applied Catalysis A: General, 2008, 351, 16-23.	4.3	36
147	Molecular Simulation of Hydrogen Physisorption and Chemisorption in Nanoporous Carbon Structures. Adsorption Science and Technology, 2011, 29, 799-817.	3.2	36
148	Platinum catalysts supported on graphitized carbon blackâ€"I. Carbon, 1982, 20, 177-184.	10.3	35
149	Platinum catalysts supported on activated carbons II. Isomerization and hydrogenolysis of n-butane. Journal of Catalysis, 1987, 107, 1-7.	6.2	35
150	Low-Temperature Catalytic Adsorption of NO on Activated Carbon Materials. Langmuir, 2007, 23, 12131-12137.	3.5	35
151	A Highly Reusable Carbonâ€Supported Platinum Catalyst for the Hydrogenâ€Transfer Reduction of Ketones. ChemCatChem, 2009, 1, 75-77.	3.7	35
152	Porosity Effect on Thermal Properties of Al-12 wt % Si/Graphite Composites. Materials, 2017, 10, 177.	2.9	35
153	Surface Complexes Formed during Simultaneous Catalytic Adsorption of NO and SO2 on Activated Carbons at Low Temperatures. Journal of Physical Chemistry C, 2007, 111, 1417-1423.	3.1	34
154	Multi-step loading of titania on mesoporous silica: Influence of the morphology and the porosity on the catalytic degradation of aqueous pollutants and VOCs. Applied Catalysis B: Environmental, 2008, 84, 125-132.	20.2	34
155	Mercury removal from aqueous solution by adsorption onÂactivated carbons prepared from olive stones. Adsorption, 2011, 17, 603-609.	3.0	34
156	Water gas shift reaction on carbon-supported Pt catalysts promoted by CeO2. Catalysis Today, 2012, 180, 19-24.	4.4	34
157	Influence of the oxygen-containing surface functional groups in the methane hydrate nucleation and growth in nanoporous carbon. Carbon, 2017, 123, 299-301.	10.3	34
158	CO2 activation of olive stones carbonized under pressure. Carbon, 2001, 39, 320-323.	10.3	33
159	Influence of the preparation method on the catalytic behaviour of PtSn/TiO2 catalysts. Catalysis Today, 2007, 123, 235-244.	4.4	33
160	Infiltration of graphite preforms with Alâ€"Si eutectic alloy and mercury. Scripta Materialia, 2007, 56, 991-994.	5.2	33
161	The role of carbon biotemplate density in mechanical properties of biomorphic SiC. Journal of the European Ceramic Society, 2009, 29, 465-472.	5.7	33
162	Anomaly of CH₄ Molecular Assembly Confined in Single-Wall Carbon Nanohorn Spaces. Journal of the American Chemical Society, 2011, 133, 2022-2024.	13.7	33

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163	Non-porous reference carbon for N2 (77.4 K) and Ar (87.3 K) adsorption. Carbon, 2014, 66, 699-704.	10.3	33
164	The controlled reaction of active carbons with air at 350Â°Câ€”I. Carbon, 1979, 17, 441-446.	10.3	32
165	Activation of a sepiolite with dilute solutions of HNO3 and subsequent heat treatments: II. Determination of surface acid centres. Clay Minerals, 1981, 16, 173-179.	0.6	32
166	An overview of methods for the characterization of activated carbons. Pure and Applied Chemistry, 1989, 61, 1859-1866.	1.9	32
167	Adsorption of NH3 and H2S on activated carbon and activated carbonâ€“sepiolite pellets. Carbon, 2004, 42, 448-450.	10.3	32
168	Manufacture of Biomorphic SiC Components with Homogeneous Properties from Sawdust by Reactive Infiltration with Liquid Silicon. Journal of the American Ceramic Society, 2010, 93, 1003-1009.	3.8	32
169	Effects of infiltration pressure on mechanical properties of Alâ€“12Si/graphite composites for piston engines. Composites Part B: Engineering, 2016, 91, 441-447.	12.0	32
170	XPS characterization and E. Coli DNA degradation using functionalized Cu/TiO2 nanobiocatalysts. Molecular Catalysis, 2018, 449, 62-71.	2.0	32
171	The Two-Stage Air-CO₂ Activation in the Preparation of Activated Carbons. II. Characterization by Adsorption from Solution. Adsorption Science and Technology, 1984, 1, 223-234.	3.2	31
172	Title is missing!. Catalysis Letters, 2001, 74, 17-25.	2.6	31
173	Effect of the support, Al2O3 or SiO2, on the catalytic behaviour of Crâ€“ZnO promoted Pt catalysts in the selective hydrogenation of cinnamaldehyde. Applied Catalysis A: General, 2011, 402, 50-58.	4.3	31
174	Spectroscopic, calorimetric, and catalytic evidences of hydrophobicity on Ti-MCM-41 silylated materials for olefin epoxidations. Applied Catalysis A: General, 2015, 507, 14-25.	4.3	31
175	Unusual flexibility of mesophase pitch-derived carbon materials: An approach to the synthesis of graphene. Carbon, 2017, 115, 539-545.	10.3	31
176	The effect of gasification by air (623 K) or CO2(1098 K) in the development of microporosity in activated carbons. Journal of the Chemical Society Faraday Transactions I, 1987, 83, 1081.	1.0	30
177	Improvement of the selectivity to crotyl alcohol in the gas-phase hydrogenation of crotonaldehyde over platinum/activated carbon catalysts. Applied Catalysis A: General, 1995, 123, L1-L5.	4.3	30
178	Carbon molecular sieves from hardwood carbon pellets. The influence of carbonization temperature in gas separation properties. Microporous and Mesoporous Materials, 2005, 81, 161-167.	4.4	30
179	Pt/Ta2O5â€“ZrO2 catalysts for vapour phase selective hydrogenation of crotonaldehyde. Applied Catalysis A: General, 2008, 349, 165-169.	4.3	30
180	Effect of tin content and reduction temperature on the catalytic behaviour of PtSn/TiO2 catalysts in the vapour-phase hydrogenation of crotonaldehyde. Catalysis Today, 2008, 133-135, 35-41.	4.4	30

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181	Selective Hydrogenation of Cinnamaldehyde over (111) Preferentially Oriented Pt Particles Supported on Expanded Graphite. Catalysis Letters, 2009, 133, 267-272.	2.6	30
182	Guest Diffusion in Interpenetrating Networks of Micro- and Mesopores. Journal of the American Chemical Society, 2011, 133, 2437-2443.	13.7	30
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