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	CO2 Adsorption in Activated Carbon Materials. Engineering Materials, 2021, , 139-152.	0.6	1
2	Tailoring Low-Cost Granular Activated Carbons Intended for CO2 Adsorption. Frontiers in Chemistry, 2020, 8, 581133.	3.6	15
3	On mechanism of formation of SBA-15/furfuryl alcohol-derived mesoporous carbon replicas and its relationship with catalytic activity in oxidative dehydrogenation of ethylbenzene. Microporous and Mesoporous Materials, 2020, 299, 110118.	4.4	19
4	Adsorption of hydrogen on activated carbons prepared by thermal activation : Hydrogen storage. , 2019, , .		1
5	Structural Flexibility in Activated Carbon Materials Prepared under Harsh Activation Conditions. Materials, 2019, 12, 1988.	2.9	15
6	Brian McEnaney (1936â€“2018) â€“ An appreciation. Carbon, 2019, 143, 564-565.	10.3	0
7	Characterization of the adsorption site energies and heterogeneous surfaces of porous materials. Journal of Materials Chemistry A, 2019, 7, 10104-10137.	10.3	187
8	Decoding gas-solid interaction effects on adsorption isotherm shape: II. Polar adsorptives. Microporous and Mesoporous Materials, 2019, 278, 232-240.	4.4	5
9	XPS characterization and E. Coli DNA degradation using functionalized Cu/TiO2 nanobiocatalysts. Molecular Catalysis, 2018, 449, 62-71.	2.0	32
10	Decoding gas-solid interaction effects on adsorption isotherm shape: I. Non-polar adsorptives. Microporous and Mesoporous Materials, 2018, 264, 76-83.	4.4	9
11	Preparation and investigation of active carbons based on furfural copolymer. Russian Chemical Bulletin, 2018, 67, 997-1001.	1.5	0
12	Physicochemical properties and in vivo evaluation of Pt/TiO₂â€“SiO₂ nanopowders. Nanomedicine, 2018, 13, 2171-2185.	3.3	13
13	Isosteric Heats of Adsorption of Gases and Vapors on a Microporous Carbonaceous Material. Journal of Chemical & Engineering Data, 2018, 63, 3107-3116.	1.9	11
14	Unusual flexibility of mesophase pitch-derived carbon materials: An approach to the synthesis of graphene. Carbon, 2017, 115, 539-545.	10.3	31
15	Nanoporous Materials for the Onboard Storage of Natural Gas. Chemical Reviews, 2017, 117, 1796-1825.	47.7	241
16	Free-standing compact cathodes for high volumetric and gravimetric capacity Liâ€“S batteries. Journal of Materials Chemistry A, 2017, 5, 19924-19933.	10.3	21
17	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
18	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

#	Article	IF	Citations
19	HKUST-1@ACM hybrids for adsorption applications: A systematic study of the synthesis conditions. Microporous and Mesoporous Materials, 2017, 237, 74-81.	4.4	15
20	Porosity Effect on Thermal Properties of Al-12 wt % Si/Graphite Composites. Materials, 2017, 10, 177.	2.9	35
21	Biocompatibility and Biomechanical Effect of Single Wall Carbon Nanotubes Implanted in the Corneal Stroma: A Proof of Concept Investigation. Journal of Ophthalmology, 2016, 2016, 1-8.	1.3	10
22	Highâ€Performance of Gas Hydrates in Confined Nanospace for Reversible CH₄/CO₂ Storage. Chemistry - A European Journal, 2016, 22, 10028-10035.	3.3	19
23	Oxidative Dehydrogenation of Ethylbenzene Over Poly(furfuryl alcohol)-Derived CMK-1 Carbon Replica. Catalysis Letters, 2016, 146, 1231-1241.	2.6	7
24	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
25	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
26	Paving the way for methane hydrate formation on metalâ€“organic frameworks (MOFs). Chemical Science, 2016, 7, 3658-3666.	7.4	103
27	Activated Carbon and Adsorption. , 2016, , .		6
28	Pore size distributions derived from adsorption isotherms, immersion calorimetry, and isosteric heats: A comparative study. Carbon, 2016, 96, 1106-1113.	10.3	47
29	Professor Juan de Dios LÃ³pez-GonzÃ¡lez (1924â€“2015). Carbon, 2015, 93, 997-998.	10.3	0
30	Immersion Calorimetry: Molecular Packing Effects in Micropores. ChemPhysChem, 2015, 16, 3984-3991.	2.1	14
31	METHANE DRY REFORMING OVER Ni SUPPORTED ON PINE SAWDUST ACTIVATED CARBON: EFFECTS OF SUPPORT SURFACE PROPERTIES AND METAL LOADING. Quimica Nova, 2015, , .	0.3	2
32	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
33	A multi-method study of the transformation of the carbonaceous skeleton of a polymer-based nanoporous carbon along the activation pathway. Carbon, 2015, 85, 119-134.	10.3	18
34	High-Pressure Methane Storage in Porous Materials: Are Carbon Materials in the Pole Position?. Chemistry of Materials, 2015, 27, 959-964.	6.7	178
35	Post-combustion CO2 adsorption on activated carbons with different textural properties. Microporous and Mesoporous Materials, 2015, 209, 157-164.	4.4	54
36	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

#	Article	IF	Citations
37	Methane hydrate formation in confined nanospace can surpass nature. Nature Communications, 2015, 6, 6432.	12.8	187
38	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
39	Release of copper complexes from a nanostructured solâ€“gel titania for cancer treatment. Journal of Materials Science, 2015, 50, 2410-2421.	3.7	8
40	Novel synthesis of a micro-mesoporous nitrogen-doped nanostructured carbon from polyaniline. Microporous and Mesoporous Materials, 2015, 218, 199-205.	4.4	30
41	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
42	Improved mechanical stability of HKUST-1 in confined nanospace. Chemical Communications, 2015, 51, 14191-14194.	4.1	19
43	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
44	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
45	Control of the spatial homogeneity of pore surface chemistry in particulate activated carbon. Carbon, 2015, 95, 144-149.	10.3	13
46	Non-porous reference carbon for N2 (77.4 K) and Ar (87.3 K) adsorption. Carbon, 2014, 66, 699-704.	10.3	33
47	Control of the pore size distribution and its spatial homogeneity in particulate activated carbon. Carbon, 2014, 78, 113-120.	10.3	20
48	Assessment of CO₂ Adsorption Capacity on Activated Carbons by a Combination of Batch and Dynamic Tests. Langmuir, 2014, 30, 5840-5848.	3.5	40
49	Use of Eutectic Mixtures for Preparation of Monolithic Carbons with CO2-Adsorption and Gas-Separation Capabilities. Langmuir, 2014, 30, 12220-12228.	3.5	21
50	Activated Carbons Impregnated with Na₂S and H₂SO₄: Texture, Surface Chemistry and Application to Mercury Removal from Aqueous Solutions. Adsorption Science and Technology, 2014, 32, 101-115.	3.2	14
51	CO2 adsorption on crystalline graphitic nanostructures. Journal of CO2 Utilization, 2014, 5, 60-65.	6.8	17
52	Activation routes for high surface area graphene monoliths from graphene oxide colloids. Carbon, 2014, 76, 220-231.	10.3	85
53	Chemically activated poly(furfuryl alcohol)-derived CMK-3 carbon catalysts for the oxidative dehydrogenation of ethylbenzene. Catalysis Today, 2014, 235, 201-209.	4.4	25
54	Effect of the porous structure in carbon materials for CO2 capture at atmospheric and high-pressure. Carbon, 2014, 67, 230-235.	10.3	187

#	Article	IF	Citations
55	Micro/Mesoporous Activated Carbons Derived from Polyaniline: Promising Candidates for CO₂ Adsorption. Industrial & Engineering Chemistry Research, 2014, 53, 15398-15405.	3.7	66
56	High-Resolution N₂ Adsorption Isotherms at 77.4 K: Critical Effect of the He Used During Calibration. Journal of Physical Chemistry C, 2013, 117, 16885-16889.	3.1	22
57	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
58	Water adsorption in hydrophilic zeolites: experiment and simulation. Physical Chemistry Chemical Physics, 2013, 15, 17374.	2.8	66
59	High selectivity of TiC-CDC for CO2/N2 separation. Carbon, 2013, 59, 221-228.	10.3	60
60	Critical temperatures in the synthesis of graphene-like materials by thermal exfoliationâ€“reduction of graphite oxide. Carbon, 2013, 52, 476-485.	10.3	236
61	Highlighting the Role of Activated Carbon Particle Size on CO₂ Capture from Model Flue Gas. Industrial & Engineering Chemistry Research, 2013, 52, 12183-12191.	3.7	30
62	Investigation on the Low-Temperature Transformations of Poly(furfuryl alcohol) Deposited on MCM-41. Langmuir, 2013, 29, 3045-3053.	3.5	23
63	Co-adsorption of N₂in the presence of CH₄within carbon nanospaces: evidence from molecular simulations. Nanotechnology, 2013, 24, 035401.	2.6	20
64	Preparation of high metal content nanoporous carbon. Fuel Processing Technology, 2013, 115, 115-121.	7.2	5
65	Textural Characterization of Micro- and Mesoporous Carbons Using Combined Gas Adsorption and n-Nonane Preadsorption. Langmuir, 2013, 29, 8133-8139.	3.5	30
66	KOH activation of carbon materials obtained from the pyrolysis of ethylene tar at different temperatures. Fuel Processing Technology, 2013, 106, 402-407.	7.2	22
67	Production of nanoTiCâ€“graphite composites using Ti-doped self-sintering carbon mesophase powder. Journal of the European Ceramic Society, 2013, 33, 583-591.	5.7	6
68	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
69	Characterization of Carbon Molecular Sieve Membranes Supported on Ceramic Tubes. Adsorption Science and Technology, 2013, 31, 233-247.	3.2	1
70	Effect of pore structure on the selectivity of carbon materials for the separation of CO2/H2 mixtures: new insights from molecular simulation. RSC Advances, 2012, 2, 9671.	3.6	21
71	Diffusionâ€Barrierâ€Free Porous Carbon Monoliths as a New Form of Activated Carbon. ChemSusChem, 2012, 5, 2271-2277.	6.8	8
72	A site energy distribution function for the characterization of the continuous distribution of binding sites for gases on a heterogeneous surface. RSC Advances, 2012, 2, 784-788.	3.6	4

#	Article	IF	Citations
73	Formation of COx-Free H2 and Cup-Stacked Carbon Nanotubes over Nano-Ni Dispersed Single Wall Carbon Nanohorns. Langmuir, 2012, 28, 7564-7571.	3.5	10
74	Ce promoted Pdâ€“Nb catalysts for Î³-valerolactone ring-opening and hydrogenation. Green Chemistry, 2012, 14, 3318.	9.0	39
75	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
76	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
77	CO2 adsorption on carbon molecular sieves. Microporous and Mesoporous Materials, 2012, 164, 280-287.	4.4	108
78	Low-Pressure Hysteresis in Adsorption: An Artifact?. Journal of Physical Chemistry C, 2012, 116, 16652-16655.	3.1	86
79	Novel Carbon Materials for CO2 Adsorption. , 2012, , 583-603.		5
80	Well-defined mesoporosity on lignocellulosic-derived activated carbons. Carbon, 2012, 50, 66-72.	10.3	38
81	The effect of the parent graphite on the structure of graphene oxide. Carbon, 2012, 50, 275-282.	10.3	188
82	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
83	Editorial: Festschrift dedicated to Peter A. Thrower, Editor-in-Chief, 1972â€“2012. Carbon, 2012, 50, 3121-3122.	10.3	0
84	Water gas shift reaction on carbon-supported Pt catalysts promoted by CeO2. Catalysis Today, 2012, 180, 19-24.	4.4	34
85	Chemical versus physical activation of coconut shell: A comparative study. Microporous and Mesoporous Materials, 2012, 152, 163-171.	4.4	151
86	Immersion Calorimetry as a Tool To Evaluate the Catalytic Performance of Titanosilicate Materials in the Epoxidation of Cyclohexene. Langmuir, 2011, 27, 3618-3625.	3.5	26
87	Influence of Water/Alkoxide Ratio in the Synthesis of Nanosized Solâ^'Gel Titania on the Release of Phenytoin. Langmuir, 2011, 27, 4004-4009.	3.5	11
88	Ultrahigh CO2 adsorption capacity on carbon molecular sieves at room temperature. Chemical Communications, 2011, 47, 6840.	4.1	166
89	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
90	Guest Diffusion in Interpenetrating Networks of Micro- and Mesopores. Journal of the American Chemical Society, 2011, 133, 2437-2443.	13.7	30

#	Article	IF	Citations
91	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
92	Molecular simulations to study the effect of pore geometry and structure on the adsorption of CH4/H2 mixtures in carbon pores. Nature Precedings, 2011, , .	0.1	1
93	Jorge (Giorgio) Zgrablich. Adsorption Science and Technology, 2011, 29, 423-424.	3.2	1
94	Molecular Simulation of Hydrogen Physisorption and Chemisorption in Nanoporous Carbon Structures. Adsorption Science and Technology, 2011, 29, 799-817.	3.2	36
95	Controlled release of phenytoin for epilepsy treatment from titania and silica based materials. Materials Chemistry and Physics, 2011, 126, 922-929.	4.0	20
96	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
97	Evaluation of a mixed geometry model for the characterization ofÂactivated carbons. Adsorption, 2011, 17, 551-560.	3.0	9
98	Mercury removal from aqueous solution by adsorption onÂactivated carbons prepared from olive stones. Adsorption, 2011, 17, 603-609.	3.0	34
99	Effect of nanoscale curvature sign and bundle structure on supercritical H2 and CH4 adsorptivity of single wall carbon nanotube. Adsorption, 2011, 17, 643-651.	3.0	11
100	Heat of adsorption and binding affinity for hydrogen on pitch-based activated carbons. Chemical Engineering Journal, 2011, 168, 972-978.	12.7	21
101	The evidence of NMR diffusometry on pore space heterogeneity in activated carbon. Microporous and Mesoporous Materials, 2011, 141, 184-191.	4.4	11
102	Oxidation of activated carbon with aqueous solution of sodium dichloroisocyanurate: Effect on ammonia adsorption. Microporous and Mesoporous Materials, 2011, 142, 577-584.	4.4	21
103	Influence of the surface chemistry of activated carbons on the ATRP catalysis of methyl methacrylate polymerization. Applied Catalysis A: General, 2011, 397, 225-233.	4.3	7
104	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
105	Comparison of Nanostructured Titania Matrices Obtained by Carbon Template and Solâ€“Gel Methods for Controlled Release of Fluoxetine. Journal of Nanoscience and Nanotechnology, 2011, 11, 5508-5514.	0.9	1
106	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
107	Adsorption on Heterogeneous Surfaces: Site Energy Distribution Functions from Fritzâ€“SchlÃ¼ender Isotherms. ChemPhysChem, 2010, 11, 2555-2560.	2.1	6
108	Highâ€Surfaceâ€Area Carbon Molecular Sieves for Selective CO₂ Adsorption. ChemSusChem, 2010, 3, 974-981.	6.8	316

#	Article	IF	Citations
109	Effect of the metal precursor on the properties of Ru/ZnO catalysts. Applied Catalysis A: General, 2010, 374, 221-227.	4.3	27
110	Modification of activated carbon hydrophobicity by pyrolysis of propene. Journal of Analytical and Applied Pyrolysis, 2010, 89, 17-21.	5.5	21
111	Influence of the porous structure of activated carbons in the activity of ATRP catalyst for methyl methacrylate polymerization. Catalysis Today, 2010, 150, 42-48.	4.4	6
112	Neural network and principal component analysis for modeling of hydrogen adsorption isotherms on KOH activated pitch-based carbons containing different heteroatoms. Chemical Engineering Journal, 2010, 159, 272-279.	12.7	16
113	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
114	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
115	Hydrogen adsorption on KOH activated carbons from mesophase pitch containing Si, B, Ti or Fe. Carbon, 2010, 48, 636-644.	10.3	41
116	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
117	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
118	A Continuous Binding Site Affinity Distribution Function from the Freundlich Isotherm for the Supercritical Adsorption of Hydrogen on Activated Carbon. Journal of Physical Chemistry C, 2010, 114, 13759-13765.	3.1	15
119	Benefit of Microscopic Diffusion Measurement for the Characterization of Nanoporous Materials. Chemical Engineering and Technology, 2009, 32, 1494-1511.	1.5	28
120	Selective Hydrogenation of Cinnamaldehyde over (111) Preferentially Oriented Pt Particles Supported on Expanded Graphite. Catalysis Letters, 2009, 133, 267-272.	2.6	30
121	Synthesis of activated carbon with highly developed â€œmesoporosityâ€• Microporous and Mesoporous Materials, 2009, 117, 519-521.	4.4	70
122	Ethanol removal using activated carbon: Effect of porous structure and surface chemistry. Microporous and Mesoporous Materials, 2009, 120, 62-68.	4.4	102
123	Characterization of carbon materials with the help of NMR methods. Microporous and Mesoporous Materials, 2009, 120, 91-97.	4.4	19
124	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
125	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
126	An activated carbon monolith as an electrode material for supercapacitors. Carbon, 2009, 47, 195-200.	10.3	158

#	Article	IF	Citations
127	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
128	A Highly Reusable Carbonâ€Supported Platinum Catalyst for the Hydrogenâ€Transfer Reduction of Ketones. ChemCatChem, 2009, 1, 75-77.	3.7	35
129	Carbon Molecular Sieves Prepared from Polymeric Precursors: Porous Structure and Hydrogen Adsorption Properties. Industrial & Engineering Chemistry Research, 2009, 48, 7125-7131.	3.7	23
130	Is There Any Microporosity in Ordered Mesoporous Silicas?. Langmuir, 2009, 25, 939-943.	3.5	55
131	Spectroscopic and microcalorimetric study of a TiO₂-supported platinum catalyst. Physical Chemistry Chemical Physics, 2009, 11, 917-920.	2.8	21
132	Adsorptivities of Extremely High Surface Area Activated Carbon Fibres for CH₄ and H₂. Adsorption Science and Technology, 2009, 27, 877-881.	3.2	13
133	Decreasing the infiltration threshold pressure of Alâ€“12wt% Si into alumina particle compacts by Sn or Pb layers. Composites Science and Technology, 2008, 68, 75-79.	7.8	9
134	The effect of the cerium precursor and the carbon surface chemistry on the dispersion of ceria on activated carbon. Journal of Materials Science, 2008, 43, 1525-1531.	3.7	17
135	Sinterability enhancement in semicokes obtained by controlled pyrolysis of a petroleum residue. Journal of Analytical and Applied Pyrolysis, 2008, 82, 163-169.	5.5	3
136	Preparation of graphite/nano-SiC composites by co-pyrolysis of a petroleum residue with phenylsilanes. Journal of Analytical and Applied Pyrolysis, 2008, 83, 137-144.	5.5	4
137	Porosity development along the synthesis of carbons from metal carbides. Microporous and Mesoporous Materials, 2008, 113, 14-21.	4.4	59
138	Pt/Ta2O5â€“ZrO2 catalysts for vapour phase selective hydrogenation of crotonaldehyde. Applied Catalysis A: General, 2008, 349, 165-169.	4.3	30
139	Zn-modified MCM-41 as support for Pt catalysts. Applied Catalysis A: General, 2008, 351, 16-23.	4.3	36
140	Production of binderless activated carbon monoliths by KOH activation of carbon mesophase materials. Carbon, 2008, 46, 384-386.	10.3	55
141	Possible errors in microporosity in chemically activated carbon deduced from immersion calorimetry. Carbon, 2008, 46, 329-334.	10.3	11
142	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
143	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
144	Preparation of granular activated carbons for adsorption of natural gas. Microporous and Mesoporous Materials, 2008, 109, 581-584.	4.4	86

#	Article	IF	Citations
145	Carbon molecular sieves as model active electrode materials in supercapacitors. Microporous and Mesoporous Materials, 2008, 110, 431-435.	4.4	28
146	Correlation of methane uptake with microporosity and surface area of chemically activated carbons. Microporous and Mesoporous Materials, 2008, 115, 603-608.	4.4	44
147	Wetting and capillarity in the Sn/graphite system. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 495, 187-191.	5.6	19
148	Pore filling in graphite particle compacts infiltrated with Alâ€“12wt.%Si and Alâ€“12wt.%Siâ€“1wt.%Cu alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 495, 276-281.	5.6	18
149	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
150	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
151	Platinum nanoparticles supported on titania as an efficient hydrogen-transfer catalyst. Journal of Catalysis, 2008, 260, 113-118.	6.2	55
152	Preparation and characterization of CeO2 highly dispersed on activated carbon. Materials Research Bulletin, 2008, 43, 1850-1857.	5.2	66
153	Enhancing the catalytic performance of Pt/ZnO in the vapour phase hydrogenation of crotonaldehyde by the addition of Cr to the support. Catalysis Communications, 2008, 9, 1243-1246.	3.3	25
154	Low Temperature Catalytic Adsorption of SO₂ on Activated Carbon. Journal of Physical Chemistry C, 2008, 112, 15335-15340.	3.1	40
155	Liquid-Phase Adsorption/Oxidation of Sulfur-Containing Species by Activated Carbon. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 107-118.	0.2	2
156	Reducing Threshold Pressure for Infiltration of Al-12Si Alloys into Carbon Particle Compacts by Placing a Thin Layer of Sn at the Infiltration Front. Materials Science Forum, 2007, 539-543, 785-790.	0.3	1
157	Effect of thermal treatments on the surface chemistry of oxidized activated carbons. Studies in Surface Science and Catalysis, 2007, , 129-136.	1.5	4
158	EFFECT OF POROSITY AND FUNCTIONALITY OF ACTIVATED CARBON IN ADSORPTION. , 2007, , .		0
159	Kinetic Restrictions in the Characterization of Narrow Microporosity in Carbon Materials. Journal of Physical Chemistry C, 2007, 111, 3803-3805.	3.1	52
160	Low-Temperature Catalytic Adsorption of NO on Activated Carbon Materials. Langmuir, 2007, 23, 12131-12137.	3.5	35
161	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
162	Influence of the preparation method on the catalytic behaviour of PtSn/TiO2 catalysts. Catalysis Today, 2007, 123, 235-244.	4.4	33

#	Article	IF	Citations
163	Liquid phase removal of propanethiol by activated carbon: Effect of porosity and functionality. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 300, 180-190.	4.7	25
164	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
165	Ptâ€“Sn catalysts supported on highly-dispersed ceria on carbon. Journal of Molecular Catalysis A, 2007, 268, 227-234.	4.8	49
166	Preparation of mesophase pitch doped with TiO2 or TiC particles. Journal of Analytical and Applied Pyrolysis, 2007, 80, 477-484.	5.5	22
167	Bimetallic PtSn/C catalysts promoted by ceria: Application in the nonoxidative dehydrogenation of isobutane. Journal of Catalysis, 2007, 246, 158-165.	6.2	85
168	Infiltration of graphite preforms with Alâ€“Si eutectic alloy and mercury. Scripta Materialia, 2007, 56, 991-994.	5.2	33
169	Activated Carbon (Origins). , 2006, , 13-86.		377
170	Characterization of Activated Carbon. , 2006, , 143-242.		56
171	Activation Processes (Chemical). , 2006, , 322-365.		48
172	Applicability of Activated Carbon. , 2006, , 383-453.		23
173	Porosity in Carbons: Modeling. , 2006, , 87-142.		8
174	Activation Processes (Thermal or Physical). , 2006, , 243-321.		42
175	SEM and TEM Images of Structures in Activated Carbons. , 2006, , 366-382.		5
176	Production and Reference Material. , 2006, , 454-508.		25
177	Development of Porosity in a Char during Reaction with Steam or Supercritical Water. Journal of Physical Chemistry B, 2006, 110, 12360-12364.	2.6	25
178	Carbon foam prepared by pyrolysis of olive stones under steam. Carbon, 2006, 44, 1448-1454.	10.3	82
179	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
180	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

#	Article	IF	Citations
181	Influence of mesophase activation conditions on the specific capacitance of the resulting carbons. Journal of Power Sources, 2006, 156, 719-724.	7.8	22
182	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
183	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
184	Characterization of Lightweight Graphite Based Composites Using X-Ray Microtomography. Advanced Engineering Materials, 2006, 8, 491-495.	3.5	10
185	POROUS CARBONS IN GAS SEPARATION AND STORAGE. , 2006, , 133-144.		6
186	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
187	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
188	Preparation of Carbon Molecular Sieves by Pyrolytic Carbon Deposition. Adsorption, 2005, 11, 663-667.	3.0	17
189	Pressure infiltration of Al-Si alloys into compacts made of carbon particles. Journal of Materials Science, 2005, 40, 2519-2523.	3.7	17
190	Contribution to the Evaluation of Density of Methane Adsorbed on Activated Carbon. Journal of Physical Chemistry B, 2005, 109, 20227-20231.	2.6	42
191	Adsorption of methane into ZnCl2-activated carbon derived discs. Microporous and Mesoporous Materials, 2004, 76, 185-191.	4.4	71
192	Synthesis of mixed disilicides/SiC composites by displacement reaction between metal carbides and silicon. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 380, 62-66.	5.6	9
193	Influence of Zn on the characteristics and catalytic behavior of TiO2-supported Pt catalysts. Journal of Catalysis, 2004, 223, 179-190.	6.2	76
194	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
195	Adsorption of NH3 and H2S on activated carbon and activated carbonâ€“sepiolite pellets. Carbon, 2004, 42, 448-450.	10.3	32
196	Chemistry of the co-pyrolysis of an aromatic petroleum residue with a pyridineâ€“borane complex. Carbon, 2003, 41, 549-561.	10.3	4
197	Effect of boron carbide particle addition on the thermomechanical behavior of carbon matrix silicon carbide particle composites. Carbon, 2003, 41, 1096-1099.	10.3	4
198	Phosphoric acid activated carbon discs for methane adsorption. Carbon, 2003, 41, 2113-2119.	10.3	76

#	Article	IF	Citations
199	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
200	Infrared study of CO and 2-butenal co-adsorption on Zn modified Pt/CeO2â€“SiO2catalysts. Physical Chemistry Chemical Physics, 2003, 5, 208-216.	2.8	20
201	Production of High-Strength Carbon Artifacts from Petroleum Residues:â€‰ Influence of the Solvent Used to Prepare Mesophase Powder. Energy & Fuels, 2002, 16, 1087-1094.	5.1	6
202	Nearly Space-Filling Fractal Networks of Carbon Nanopores. Physical Review Letters, 2002, 88, 115502.	7.8	80
203	Textural and chemical characterization of NaX zeolite exchanged with Zn(II) ions. Studies in Surface Science and Catalysis, 2002, 144, 107-114.	1.5	1
204	Carbon molecular sieves from Eucalyptus globulus charcoal. Microporous and Mesoporous Materials, 2002, 56, 139-145.	4.4	47
205	Controlling carbon microporosity: the structure of carbons obtained from different phenolic resin precursors. Carbon, 2002, 40, 743-749.	10.3	57
206	Catalytic oxidation of Fe(II) by activated carbon in the presence of oxygen.. Carbon, 2002, 40, 2827-2834.	10.3	56
207	Modification of the sintering behaviour of mesophase powder from a petroleum residue. Carbon, 2002, 40, 2843-2853.	10.3	10
208	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
209	Improved Metal-Support Interaction in Pt/CeO2/SiO2 Catalysts after Zinc Addition. Journal of Catalysis, 2002, 210, 127-136.	6.2	131
210	Vapor-Phase Hydrogenation of Crotonaldehyde on Titania-Supported Pt and PtSn SMSI Catalysts. Journal of Catalysis, 2002, 212, 94-103.	6.2	83
211	POROUS CARBONS IN ADSORPTION AND CATALYSIS. , 2001, , 309-355.		25
212	Sepiolite-based adsorbents as humidity controller. Applied Clay Science, 2001, 20, 111-118.	5.2	76
213	Vapour phase hydrogenation of crotonaldehyde over magnesia-supported platinumâ€“tin catalysts. Physical Chemistry Chemical Physics, 2001, 3, 1782-1788.	2.8	42
214	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
215	Characterization of microporous solids by immersion calorimetry. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 187-188, 151-165.	4.7	111
216	Pyrolysis of petroleum residues. Carbon, 2001, 39, 61-71.	10.3	20

#	Article	IF	Citations
217	Preparation of activated carbon cloth from viscous rayon. Carbon, 2001, 39, 389-398.	10.3	70
218	Co-pyrolysis of an aromatic petroleum residue with triphenylsilane. Carbon, 2001, 39, 1001-1011.	10.3	12
219	CO2 activation of olive stones carbonized under pressure. Carbon, 2001, 39, 320-323.	10.3	33
220	Preparation of activated carbonâ€“sepiolite pellets. Carbon, 2001, 39, 776-779.	10.3	16
221	Activated Carbon and Adsorption. , 2001, , 22-34.		25
222	Title is missing!. Catalysis Letters, 2001, 74, 17-25.	2.6	31
223	Hydrogen spillover in Pt-Sn catalysts supported on activated carbon cloth.. Studies in Surface Science and Catalysis, 2001, 138, 275-282.	1.5	6
224	Synthesis of a (MoSi2, Mo5Si3)/SiC Composite Using an In Situ Solid-State Displacement Reaction between Mo2C and Si.. Journal of the Ceramic Society of Japan, 2000, 108, 957-959.	1.3	12
225	Preparation of carbon molecular sieves by controlled oxidation treatments. Carbon, 2000, 38, 1889-1892.	10.3	27
226	Preparation of activated carbon cloths from viscous rayon. Part II: physical activation processes. Carbon, 2000, 38, 379-395.	10.3	63
227	Preparation of activated carbon cloths from viscous rayon. Carbon, 2000, 38, 397-406.	10.3	40
228	Pyrolysis of petroleum residues. Carbon, 2000, 38, 535-546.	10.3	76
229	Use of immersion calorimetry to evaluate the separation ability of carbon molecular sieves. Studies in Surface Science and Catalysis, 2000, 128, 303-312.	1.5	18
230	Preparation and characterization of carbon-supported Pt-CeO2 catalysts. Studies in Surface Science and Catalysis, 2000, 130, 1013-1018.	1.5	18
231	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
232	Semicokes from pitch pyrolysis: mechanisms and kinetics. Carbon, 1999, 37, 363-390.	10.3	114
233	Influence of pressure variations on the formation and development of mesophase in a petroleum residue. Carbon, 1999, 37, 445-455.	10.3	26
234	Preparation of activated carbon cloths from viscous rayon. Part I. Carbonization procedures. Carbon, 1999, 37, 1275-1283.	10.3	79

#	Article	IF	Citations
235	Pyrolysis of petroleum residues: I. Yields and product analyses. Carbon, 1999, 37, 1567-1582.	10.3	46
236	Influence of the carbon material on the synthesis of silicon carbide. Carbon, 1999, 37, 1771-1778.	10.3	39
237	Pyrolysis of petroleum residues: analysis of semicokes by X-ray diffraction. Carbon, 1999, 37, 1627-1632.	10.3	38
238	Self-sintering of carbon mesophase powders: effect of extraction/washing with solvents. Carbon, 1999, 37, 1662-1665.	10.3	24
239	Adsorptionâ€“desorption of water vapor by natural and heat-treated sepiolite in ambient air. Applied Clay Science, 1999, 15, 367-380.	5.2	71
240	An X-ray scattering investigation of the carbonization of olive stones. Carbon, 1998, 36, 67-70.	10.3	9
241	Delayed coking: Industrial and laboratory aspects. Carbon, 1998, 36, 105-116.	10.3	58
242	The role of carbon materials in heterogeneous catalysis. Carbon, 1998, 36, 159-175.	10.3	1,563
243	Gas phase hydrogenation of crotonaldehyde over platinum supported on oxidized carbon black. Carbon, 1998, 36, 1011-1019.	10.3	38
244	Fabrication of ceramic/ceramic composites from aluminum/ceramic composites produced by pressure infiltration. Scripta Materialia, 1998, 38, 623-629.	5.2	1
245	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
246	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
247	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
248	CO2 activation of olive stones carbonized under different experimental conditions. Carbon, 1997, 35, 159-162.	10.3	80
249	Ultramicropore Characterization of Microporous Carbons by Low-Temperature Helium Adsorption. The Journal of Physical Chemistry, 1996, 100, 10331-10336.	2.9	62
250	A new route for the synthesis of SiCâ€“MoSi2ceramic composite materials. Chemical Communications, 1996, , 1667-1668.	4.1	5
251	Development of porosity in combined phosphoric acid-carbon dioxide activation. Carbon, 1996, 34, 457-462.	10.3	98
252	Effect of steam and carbon dioxide activation in the micropore size distribution of activated carbon. Carbon, 1996, 34, 505-509.	10.3	318

#	Article	IF	Citations
253	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
254	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
255	Synthesis of SiC from rice husks catalysed by iron, cobalt or nickel. Journal of Materials Science, 1996, 31, 779-784.	3.7	79
256	Synthesis of SiC and Si3N4: An overview. Advanced Materials, 1995, 7, 209-211.	21.0	20
257	Porosity in granular carbons activated with phosphoric acid. Carbon, 1995, 33, 1105-1113.	10.3	299
258	Adsorption of CO2 and SO2 on activated carbons with a wide range of micropore size distribution. Carbon, 1995, 33, 1777-1782.	10.3	57
259	The use of steam and CO2 as activating agents in the preparation of activated carbons. Carbon, 1995, 33, 15-23.	10.3	501
260	Porosity of activated carbons prepared from different lignocellulosic materials. Carbon, 1995, 33, 1175-1177.	10.3	52
261	Influence of the atmosphere used in the carbonization of phosphoric acid impregnated peach stones. Carbon, 1995, 33, 1180-1182.	10.3	37
262	A new parameter relating the properties of semicokes and the resulting sintered carbons. Carbon, 1995, 33, 1182-1184.	10.3	2
263	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
264	Heat-Treated Carbon-Blacks as Supports for Platinum Catalysts. Journal of Catalysis, 1995, 154, 299-305.	6.2	132
265	Synthesis of Î²-sialon from coals or natural graphite. Journal of Materials Research, 1995, 10, 727-735.	2.6	10
266	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
267	Impregnation of activated carbon with chromium and copper salts: Effect of porosity and metal content. Carbon, 1994, 32, 1259-1265.	10.3	51
268	Steam activation of olive stone chars, development of porosity. Carbon, 1994, 32, 1407-1413.	10.3	73
269	Mo-promoted Fe/activated carbon catalysts for carbon monoxide hydrogenation. Journal of Molecular Catalysis, 1994, 90, 291-301.	1.2	11
270	Preparation of Platinum Supported on Pregraphitized Carbon Blacks. Langmuir, 1994, 10, 750-755.	3.5	181

#	Article	IF	Citations
271	Synthesis of Î²-SiAlON from clays: effect of starting materials. Journal of Materials Chemistry, 1994, 4, 1137-1141.	6.7	13
272	A lattice-gas model for adsorption in microporous solids. Studies in Surface Science and Catalysis, 1994, 87, 573-581.	1.5	7
273	Effect of carbon properties on the preparation and activity of carbon-supported molybdenum sulfide catalysts. Carbon, 1993, 31, 1099-1105.	10.3	29
274	Pt-C Interaction in Catalyst Supported on a Carbon Black Subjected to Different Heat Treatments. Studies in Surface Science and Catalysis, 1993, , 2103-2106.	1.5	3
275	Evolution of surface homogeneity in cadmium halides upon heat treatment. Langmuir, 1993, 9, 568-573.	3.5	0
276	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
277	Activated carbons from lignocellulosic materials by chemical and/or physical activation: an overview. Carbon, 1992, 30, 1111-1118.	10.3	518
278	Further Comments on Low Pressure Hysteresis in Activated Carbons: Effect of Preparation Method. Studies in Surface Science and Catalysis, 1991, 62, 419-427.	1.5	3
279	Comparative Studies of the Microporous Structure Parameters Evaluated from the Adsorption Isotherms of Various Adsorbates on Activated Carbons. Studies in Surface Science and Catalysis, 1991, 62, 469-476.	1.5	0
280	Continuous versus static automatic mode of gas adsorption on porous carbons. Langmuir, 1991, 7, 350-353.	3.5	6
281	Characterization of Microporosity and Surface Homogeneity by The Study of Argon and Nitrogen Isotherm Crossing and Measurement of Differential Enthalpies of Adsorption. Studies in Surface Science and Catalysis, 1991, 62, 311-317.	1.5	0
282	Evaluation of Microporosity in Activated Carbons with High ASH (Cr2O3) CONTENT. Studies in Surface Science and Catalysis, 1991, , 449-457.	1.5	2
283	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
284	Effect of chromium addition on the behaviour of iron/activated carbon catalysts for carbon monoxide hydrogenation. Applied Catalysis, 1991, 77, 95-108.	0.8	5
285	Preparation of activated carbon by chemical activation with ZnCl2. Carbon, 1991, 29, 999-1007.	10.3	453
286	Modification in Porous Texture and Oxygen Surface Groups of Activated Carbons by Oxidation. Studies in Surface Science and Catalysis, 1991, , 329-339.	1.5	12
287	Controlled Gasification of Carbon and Pore Structure Development. , 1991, , 533-571.		29
288	Effect of support porosity in the preparation and catalytic activity for CO hydrogenation of carbon-supported Fe catalysts. Catalysis Today, 1990, 7, 287-298.	4.4	16

#	Article	IF	Citations
289	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
290	A comparison of two reference materials for adsorption of nitrogen on activated carbons. Carbon, 1989, 27, 297-299.	10.3	4
291	Application of a reference material to the characterization of porous carbons. Fuel, 1989, 68, 204-208.	6.4	19
292	The combined use of different approaches in the characterization of microporous carbons. Carbon, 1989, 27, 23-32.	10.3	168
293	Carbon-supported, [alkali metal] [Fe2Mn(CO)12]-derived catalysts. Applied Catalysis, 1989, 51, 93-112.	0.8	10
294	Parameters of microporous structure of carbonaceous adsorbents gasified with air or carbon dioxide. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 3125.	1.0	10
295	An overview of methods for the characterization of activated carbons. Pure and Applied Chemistry, 1989, 61, 1859-1866.	1.9	32
296	The adsorption of N2 and CO2 on PAN carbons. Carbon, 1988, 26, 905-906.	10.3	3
297	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
298	Adsorption of substituted phenols on activated carbon. Journal of Colloid and Interface Science, 1988, 124, 528-534.	9.4	137
299	Carbon Dioxide Subtraction (CDS) Method Applied to A Wide Range of Porous Carbons. Studies in Surface Science and Catalysis, 1988, , 173-182.	1.5	2
300	A standard adsorption isotherm for the characterization of activated carbons. The Journal of Physical Chemistry, 1987, 91, 515-516.	2.9	242
301	Use of nitrogen vs. carbon dioxide in the characterization of activated carbons. Langmuir, 1987, 3, 76-81.	3.5	463
302	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
303	Platinum catalysts supported on activated carbons II. Isomerization and hydrogenolysis of n-butane. Journal of Catalysis, 1987, 107, 1-7.	6.2	35
304	Effect of hydrogen reduction on the surface characteristics of carbon-supported iron and ruthenium catalysts. Applied Catalysis, 1986, 23, 299-307.	0.8	15
305	Hydrogenation of CO on carbon-supported iron catalysts prepared from iron penta-carbonyl. Applied Catalysis, 1986, 21, 251-261.	0.8	24
306	Application of the isotherm subtraction and preadsorption methods to activated carbons. Carbon, 1986, 24, 255-259.	10.3	19

#	Article	IF	Citations
307	Adsorption of hydrocarbons on CO2-reacted activated carbons. Carbon, 1986, 24, 469-475.	10.3	18
308	â€˜Anomalousâ€™ increase in CO2 reactivity, relative to steam and air on acid treatment of coals. Fuel, 1986, 65, 1345-1348.	6.4	5
309	Platinum catalysts supported on activated carbons I. Preparation and characterization. Journal of Catalysis, 1986, 99, 171-183.	6.2	135
310	A new working procedure to calculate pore size distributions. Journal of Catalysis, 1986, 99, 226-230.	6.2	3
311	Hydrogenation of CO2 on Fe/carbon catalysts. Reaction Kinetics and Catalysis Letters, 1986, 31, 349-354.	0.6	6
312	Preparation and Characterization of Activated Carbons. , 1986, , 601-642.		21
313	Evaluation of the microporosity in activated carbons by n-nonane preadsorption. Journal of Colloid and Interface Science, 1985, 106, 315-323.	9.4	54
314	A comparison of the porous texture of two CO2 activated botanic materials. Carbon, 1985, 23, 19-24.	10.3	65
315	A comparison of different tests to evaluate the apparent surface area of activated carbons. Carbon, 1985, 23, 91-96.	10.3	25
316	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
317	High Temperature Adsorption of Hydrocarbons by Activated Carbons Prepared from Olive Stones. Adsorption Science and Technology, 1984, 1, 103-109.	3.2	11
318	Then-Nonane Preadsorption Method Applied to Activated Carbons. Adsorption Science and Technology, 1984, 1, 123-132.	3.2	9
319	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
320	Adsorption of Hydrocarbons on Air-Reacted Activated Carbons. I. Adsorption Isotherms. Adsorption Science and Technology, 1984, 1, 195-204.	3.2	12
321	Adsorption of Hydrocarbons on Air-Reacted Activated Carbons. II. High and Low Pressure Hysteresis. Adsorption Science and Technology, 1984, 1, 317-327.	3.2	12
322	Activated carbons from almond shellsâ€”II. Carbon, 1984, 22, 13-18.	10.3	46
323	The controlled reaction of active carbons with air at 350Â°Câ€”II. Carbon, 1984, 22, 123-130.	10.3	49
324	155. The reaction of activated carbons with carbon dioxide and its effect on their porous texture. Carbon, 1984, 22, 221.	10.3	1

#	Article	IF	Citations
325	176. Iron and ruthenium catalysts supported on Saran carbons. Carbon, 1984, 22, 223-224.	10.3	0
326	177. The use of activated carbons as supports for platinum catalysts. Carbon, 1984, 22, 224.	10.3	1
327	Porous carbon as support for iron and ruthenium catalysts. Fuel, 1984, 63, 1089-1094.	6.4	42
328	The Two-Stage Airâ€“CO₂ Activation in the Preparation of Activated Carbons. I. Characterization by Gas Adsorption. Adsorption Science and Technology, 1984, 1, 211-222.	3.2	21
329	The adsorption of N2 and Ar on samples of CdCl2 with different degree of surface homogeneity. Surface Science, 1982, 120, L431-L440.	1.9	5
330	The crossing of N2 adsorption isotherms on CdCl2. Surface Science, 1982, 114, L7-L9.	1.9	3
331	The crossing of gas adsorption isotherms at different temperatures in relation to the surface homogeneity of solids. Studies in Surface Science and Catalysis, 1982, , 479-488.	1.5	0
332	Seeking for a possible correlation between the existence of a â€œcrossing pointâ€•of the adsorption isotherms and the state of the adsorbed phase for the Ar/graphite and Ar/boron nitride systems. Studies in Surface Science and Catalysis, 1982, , 495-501.	1.5	0
333	Platinum catalysts supported on graphitized carbon blackâ€”I. Carbon, 1982, 20, 177-184.	10.3	35
334	Platinum catalysts supported on graphitized carbon blackâ€”II. Carbon, 1982, 20, 185-189.	10.3	19
335	Activated carbons from almond shellsâ€”I. Carbon, 1982, 20, 513-518.	10.3	175
336	112. Molecular probe adsorption analysis of activated carbons. Carbon, 1982, 20, 137.	10.3	0
337	The crossing of N2 adsorption isotherms on CdCl2. Surface Science Letters, 1982, 114, L7-L9.	0.1	0
338	The adsorption of N2 and Ar on samples of CdCl2 with different degree of surface homogeneity. Surface Science Letters, 1982, 120, L431-L440.	0.1	0
339	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
340	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
341	Activation of a sepiolite with dilute solutions of HNO3 and subsequent heat treatments: III. Development of porosity. Clay Minerals, 1981, 16, 315-323.	0.6	26
342	Development of porosity and surface heterogeneity upon air activation of graphitized carbon black. Carbon, 1981, 19, 65-70.	10.3	14

#	Article	IF	Citations
343	Preparation and characterization of active carbons from olive stones. Carbon, 1980, 18, 413-418.	10.3	111
344	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
345	The controlled reaction of active carbons with air at 350Â°Câ€”I. Carbon, 1979, 17, 441-446.	10.3	32
346	Changes in surface homogeneity of a graphite upon gasification. Carbon, 1978, 16, 397-401.	10.3	10
347	Evolution of surface area in a sepiolite as a function of acid and heat treatments. Clay Minerals, 1978, 13, 375-385.	0.6	77
348	Kinetics of the formation of graphite oxide. Carbon, 1975, 13, 461-464.	10.3	29
349	Changes in the porous structure of a natural based graphite upon gasification. Carbon, 1975, 13, 551-552.	10.3	0
350	The oxidation of pyrolytic graphite in oxygen. Carbon, 1975, 13, 553.	10.3	0
351	Adsorption studies on an artificial graphite and its oxide. Carbon, 1975, 13, 553.	10.3	1
352	Reaction of glassy carbon with oxygen. Carbon, 1975, 13, 7-10.	10.3	22
353	Transient rates in the reaction of CO2 with highly oriented Pyrolytic graphite. Carbon, 1975, 13, 81-82.	10.3	3
354	Kinetic studies of the oxidation of highly oriented pyrolytic graphites. Carbon, 1974, 12, 63-70.	10.3	45
355	Microscopic studies of oxidized highly oriented pyrolytic graphites. Carbon, 1974, 12, 269-279.	10.3	22
356	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
357	The adsorptive properties of carbonised olive stones. Carbon, 1973, 11, 633-638.	10.3	54
358	Kinetic studies of the oxidation of highly oriented pyrolytic graphite. Carbon, 1972, 10, 338.	10.3	0
359	Microscopic studies of oxidized highly oriented pyrolytic graphite. Carbon, 1972, 10, 339.	10.3	1