

Antonio Benito Fuertes

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

224
papers

18,228
citations

70
h-index

130
g-index

229
ext. papers

19,842
ext. citations

8.1
avg. IF

7.41
L-index

#	Paper	IF	Citations
224	Entangled core/shell magnetic structure driven by surface magnetic symmetry-breaking in Cr ₂ O ₃ nanoparticles. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1798-1807	7.1	1
223	Dense (non-hollow) carbon nanospheres: synthesis and electrochemical energy applications. <i>Materials Today Nano</i> , 2021 , 16, 100147	9.7	1
222	Synthesis strategies of templated porous carbons beyond the silica nanocasting technique. <i>Carbon</i> , 2021 , 178, 451-476	10.4	19
221	Cellulose as a Precursor of High-Performance Energy Storage Materials in Li ₂ S Batteries and Supercapacitors. <i>Energy Technology</i> , 2021 , 9, 2100268	3.5	2
220	More Sustainable Chemical Activation Strategies for the Production of Porous Carbons. <i>ChemSusChem</i> , 2021 , 14, 94-117	8.3	38
219	Boosting High-Performance in Lithium-Sulfur Batteries via Dilute Electrolyte. <i>Nano Letters</i> , 2020 , 20, 5391-5399	11.5	49
218	Straightforward synthesis of Sulfur/N,S-codoped carbon cathodes for Lithium-Sulfur batteries. <i>Scientific Reports</i> , 2020 , 10, 4866	4.9	12
217	N/S-Co-doped Porous Carbon Nanoparticles Serving the Dual Function of Sulfur Host and Separator Coating in Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3397-3407	6.1	13
216	Anatase TiO ₂ Confined in Carbon Nanopores for High-Energy Li-Ion Hybrid Supercapacitors Operating at High Rates and Subzero Temperatures. <i>Advanced Energy Materials</i> , 2020 , 10, 1902993	21.8	28
215	Highly Packed Monodisperse Porous Carbon Microspheres for Energy Storage in Supercapacitors and Li ₂ S Batteries. <i>ChemElectroChem</i> , 2020 , 7, 3798-3810	4.3	7
214	Sustainable supercapacitor electrodes produced by the activation of biomass with sodium thiosulfate. <i>Energy Storage Materials</i> , 2019 , 18, 356-365	19.4	75
213	A sustainable approach to hierarchically porous carbons from tannic acid and their utilization in supercapacitive energy storage systems. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14280-14290	13	46
212	Sustainable Salt Template-Assisted Chemical Activation for the Production of Porous Carbons with Enhanced Power Handling Ability in Supercapacitors. <i>Batteries and Supercaps</i> , 2019 , 2, 701-711	5.6	22
211	CO ₂ Storage on Nanoporous Carbons. <i>Green Energy and Technology</i> , 2019 , 287-330	0.6	6
210	Pore Characteristics for Efficient CO Storage in Hydrated Carbons. <i>ACS Applied Materials & Interfaces</i> , 2019 ,	9.5	11
209	Boosting the Oxygen Reduction Electrocatalytic Performance of Nonprecious Metal Nanocarbons via Triple Boundary Engineering Using Protic Ionic Liquids. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 11298-11305	9.5	26
208	A simple and general approach for in situ synthesis of sulfur-porous carbon composites for lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 3498-3509	5.8	17

207	Iron/Nitrogen co-doped mesoporous carbon synthesized by an endo-templating approach as an efficient electrocatalyst for the oxygen reduction reaction. <i>Microporous and Mesoporous Materials</i> , 2019 , 278, 280-288	5.3	22
206	One-step synthesis of ultra-high surface area nanoporous carbons and their application for electrochemical energy storage. <i>Carbon</i> , 2018 , 131, 193-200	10.4	81
205	Optimization of the Pore Structure of Biomass-Based Carbons in Relation to Their Use for CO Capture under Low- and High-Pressure Regimes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1623-1633	9.5	93
204	A Green Route to High-Surface Area Carbons by Chemical Activation of Biomass-Based Products with Sodium Thiosulfate. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16323-16331	8.3	42
203	Iron/Nitrogen-Doped Dendritic Carbon Nanostructures for an Efficient Oxygen Reduction Reaction. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6560-6568	6.1	8
202	Free-standing hybrid films based on graphene and porous carbon particles for flexible supercapacitors. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 127-137	5.8	35
201	Beyond KOH activation for the synthesis of superactivated carbons from hydrochar. <i>Carbon</i> , 2017 , 114, 50-58	10.4	154
200	One-Pot Synthesis of Biomass-Based Hierarchical Porous Carbons with a Large Porosity Development. <i>Chemistry of Materials</i> , 2017 , 29, 6900-6907	9.6	68
199	Disclosure of Double Exchange Bias Effect in Chromium (III) Oxide Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	4
198	Bridging exchange bias effect in NiO and Ni(core)@NiO(shell) nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 400, 236-241	2.8	14
197	Highly Porous Renewable Carbons for Enhanced Storage of Energy-Related Gases (H ₂ and CO ₂) at High Pressures. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4710-4716	8.3	48
196	Flexible, Free-Standing and Holey Graphene Paper for High-Power Supercapacitors. <i>ChemNanoMat</i> , 2016 , 2, 1055-1063	3.5	15
195	Aqueous Dispersions of Graphene from Electrochemically Exfoliated Graphite. <i>Chemistry - A European Journal</i> , 2016 , 22, 17351-17358	4.8	28
194	The influence of pore size distribution on the oxygen reduction reaction performance in nitrogen doped carbon microspheres. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2581-2589	13	158
193	A Simple Approach towards Highly Dense Solvated Graphene Films for Supercapacitors. <i>ChemNanoMat</i> , 2016 , 2, 33-36	3.5	16
192	A Green Approach to High-Performance Supercapacitor Electrodes: The Chemical Activation of Hydrochar with Potassium Bicarbonate. <i>ChemSusChem</i> , 2016 , 9, 1880-8	8.3	124
191	Size effects on the Néel temperature of antiferromagnetic NiO nanoparticles. <i>AIP Advances</i> , 2016 , 6, 056104	1.5	35
190	Graphene-cellulose tissue composites for high power supercapacitors. <i>Energy Storage Materials</i> , 2016 , 5, 33-42	19.4	45

189	Fe-N-Doped Carbon Capsules with Outstanding Electrochemical Performance and Stability for the Oxygen Reduction Reaction in Both Acid and Alkaline Conditions. <i>ACS Nano</i> , 2016 , 10, 5922-32	16.7	345
188	Disentangling magnetic core/shell morphologies in Co-based nanoparticles. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 2302-2311	7.1	9
187	Commentary: Methods of calculating the volumetric performance of a supercapacitor. <i>Energy Storage Materials</i> , 2016 , 4, 154-155	19.4	14
186	Efficient metal-free N-doped mesoporous carbon catalysts for ORR by a template-free approach. <i>Carbon</i> , 2016 , 106, 179-187	10.4	149
185	Defining a performance map of porous carbon sorbents for high-pressure carbon dioxide uptake and carbon dioxide/methane selectivity. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14739-14751	13	25
184	Scrutinizing the role of size reduction on the exchange bias and dynamic magnetic behavior in NiO nanoparticles. <i>Nanotechnology</i> , 2015 , 26, 305705	3.4	35
183	High-surface area carbons from renewable sources with a bimodal micro-mesoporosity for high-performance ionic liquid-based supercapacitors. <i>Carbon</i> , 2015 , 94, 41-52	10.4	86
182	Unravelling the onset of the exchange bias effect in Ni(core)@NiO(shell) nanoparticles embedded in a mesoporous carbon matrix. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5674-5682	7.1	20
181	Mesoporous carbons synthesized by direct carbonization of citrate salts for use as high-performance capacitors. <i>Carbon</i> , 2015 , 88, 239-251	10.4	98
180	N-doped microporous carbon microspheres for high volumetric performance supercapacitors. <i>Electrochimica Acta</i> , 2015 , 168, 320-329	6.7	58
179	N-doped porous carbon capsules with tunable porosity for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2914-2923	13	175
178	From Soybean residue to advanced supercapacitors. <i>Scientific Reports</i> , 2015 , 5, 16618	4.9	109
177	On the exchange bias effect in NiO nanoparticles with a core(antiferromagnetic)/shell (spin glass) morphology. <i>Journal of Physics: Conference Series</i> , 2015 , 663, 012001	0.3	2
176	Hierarchical microporous/mesoporous carbon nanosheets for high-performance supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4344-53	9.5	187
175	Superior capacitive performance of hydrochar-based porous carbons in aqueous electrolytes. <i>ChemSusChem</i> , 2015 , 8, 1049-57	8.3	54
174	Interplay between microstructure and magnetism in NiO nanoparticles: breakdown of the antiferromagnetic order. <i>Nanoscale</i> , 2014 , 6, 457-65	7.7	72
173	One-pot synthesis of microporous carbons highly enriched in nitrogen and their electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14439-14448	13	63
172	Direct synthesis of highly porous interconnected carbon nanosheets and their application as high-performance supercapacitors. <i>ACS Nano</i> , 2014 , 8, 5069-78	16.7	540

171	Hydrothermal synthesis of microalgae-derived microporous carbons for electrochemical capacitors. <i>Journal of Power Sources</i> , 2014 , 267, 26-32	8.9	131
170	Carboxyl-functionalized mesoporous silica-carbon composites as highly efficient adsorbents in liquid phase. <i>Microporous and Mesoporous Materials</i> , 2013 , 176, 78-85	5.3	27
169	A general and facile synthesis strategy towards highly porous carbons: carbonization of organic salts. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13738	13	113
168	Applications of Hydrothermal Carbon in Modern Nanotechnology 2013 , 213-294		3
167	Fabrication of porous carbon monoliths with a graphitic framework. <i>Carbon</i> , 2013 , 56, 155-166	10.4	121
166	Functionalization of mesostructured silica-carbon composites. <i>Materials Chemistry and Physics</i> , 2013 , 139, 281-289	4.4	24
165	Polypyrrole-derived mesoporous nitrogen-doped carbons with intrinsic catalytic activity in the oxygen reduction reaction. <i>RSC Advances</i> , 2013 , 3, 9904	3.7	82
164	Sulfur-containing activated carbons with greatly reduced content of bottle neck pores for double-layer capacitors: a case study for pseudocapacitance detection. <i>Energy and Environmental Science</i> , 2013 , 6, 2465	35.4	262
163	Assessment of the role of micropore size and N-doping in CO ₂ capture by porous carbons. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6360-8	9.5	265
162	CO ₂ adsorption by activated templated carbons. <i>Journal of Colloid and Interface Science</i> , 2012 , 366, 147-154	9.54	169
161	Highly porous S-doped carbons. <i>Microporous and Mesoporous Materials</i> , 2012 , 158, 318-323	5.3	60
160	Polypyrrole-Derived Activated Carbons for High-Performance Electrical Double-Layer Capacitors with Ionic Liquid Electrolyte. <i>Advanced Functional Materials</i> , 2012 , 22, 827-834	15.6	359
159	Facile synthesis of graphitic carbons decorated with SnO ₂ nanoparticles and their application as high capacity lithium-ion battery anodes. <i>Journal of Applied Electrochemistry</i> , 2012 , 42, 901-908	2.6	2
158	High-performance CO ₂ sorbents from algae. <i>RSC Advances</i> , 2012 , 2, 12792	3.7	194
157	Sulfonated mesoporous silica-carbon composites and their use as solid acid catalysts. <i>Applied Surface Science</i> , 2012 , 261, 574-583	6.7	66
156	One-step synthesis of silica@resorcinol-formaldehyde spheres and their application for the fabrication of polymer and carbon capsules. <i>Chemical Communications</i> , 2012 , 48, 6124-6	5.8	174
155	Magnetically separable carbon capsules loaded with laccase and their application to dye degradation. <i>RSC Advances</i> , 2011 , 1, 1756	3.7	17
154	Mesoporous carbon capsules as electrode materials in electrochemical double layer capacitors. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 2652-5	3.6	57

153	Ultra-high surface area polypyrrole-based carbons with superior performance for hydrogen storage. <i>Energy and Environmental Science</i> , 2011 , 4, 2930	35.4	132
152	Sustainable porous carbons with a superior performance for CO ₂ capture. <i>Energy and Environmental Science</i> , 2011 , 4, 1765	35.4	749
151	Onion-like nanoparticles with γ -Fe core surrounded by a γ -Fe/Fe-oxide double shell. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S320-S322	5.7	7
150	High density hydrogen storage in superactivated carbons from hydrothermally carbonized renewable organic materials. <i>Energy and Environmental Science</i> , 2011 , 4, 1400	35.4	339
149	Preparation and hydrogen storage capacity of highly porous activated carbon materials derived from polythiophene. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 15658-15663	6.7	84
148	N-Doped Polypyrrole-Based Porous Carbons for CO ₂ Capture. <i>Advanced Functional Materials</i> , 2011 , 21, 2781-2787	15.6	749
147	Hydrothermal Carbonization of Abundant Renewable Natural Organic Chemicals for High-Performance Supercapacitor Electrodes. <i>Advanced Energy Materials</i> , 2011 , 1, 356-361	21.8	470
146	Co nanoparticles inserted into a porous carbon amorphous matrix: the role of cooling field and temperature on the exchange bias effect. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 927-32	3.6	17
145	Enhanced Protection of Carbon-Encapsulated Magnetic Nickel Nanoparticles through a Sucrose-Based Synthetic Strategy. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5294-5300	3.8	32
144	Hydrothermal carbonization of biomass as a route for the sequestration of CO ₂ : Chemical and structural properties of the carbonized products. <i>Biomass and Bioenergy</i> , 2011 , 35, 3152-3159	5.3	263
143	Chemical and structural properties of carbonaceous products obtained by pyrolysis and hydrothermal carbonisation of corn stover. <i>Soil Research</i> , 2010 , 48, 618	1.8	253
142	Synthesis of Uniform Mesoporous Carbon Capsules by Carbonization of Organosilica Nanospheres. <i>Chemistry of Materials</i> , 2010 , 22, 2526-2533	9.6	82
141	Microstructure and magnetism of nanoparticles with γ -Fe core surrounded by γ -Fe and iron oxide shells. <i>Physical Review B</i> , 2010 , 81,	3.3	34
140	Graphitic carbon nanostructures from cellulose. <i>Chemical Physics Letters</i> , 2010 , 490, 63-68	2.5	104
139	Silica@Carbon mesoporous nanorattle structures synthesised by means of a selective etching strategy. <i>Materials Letters</i> , 2010 , 64, 1587-1590	3.3	11
138	Synthesis of carbon-based solid acid microspheres and their application to the production of biodiesel. <i>ChemSusChem</i> , 2010 , 3, 1352-4	8.3	68
137	Synthesis of colloidal silica nanoparticles of a tunable mesopore size and their application to the adsorption of biomolecules. <i>Journal of Colloid and Interface Science</i> , 2010 , 349, 173-80	9.3	44
136	Control of crystalline phases in magnetic Fe nanoparticles inserted inside a matrix of porous carbon. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1300-1303	2.8	9

135	Mesostructured silica-carbon composites synthesized by employing surfactants as carbon source. <i>Microporous and Mesoporous Materials</i> , 2010 , 134, 165-174	5.3	34
134	Easy synthesis of graphitic carbon nanocoils from saccharides. <i>Materials Chemistry and Physics</i> , 2009 , 113, 208-214	4.4	39
133	Chemical and structural properties of carbonaceous products obtained by hydrothermal carbonization of saccharides. <i>Chemistry - A European Journal</i> , 2009 , 15, 4195-203	4.8	986
132	Highly dispersed platinum nanoparticles on carbon nanocoils and their electrocatalytic performance for fuel cell reactions. <i>Electrochimica Acta</i> , 2009 , 54, 2234-2238	6.7	72
131	Fabrication of mesoporous SiO ₂ -C-Fe ₃ O ₄ /gamma-Fe ₂ O ₃ and SiO ₂ -C-Fe magnetic composites. <i>Journal of Colloid and Interface Science</i> , 2009 , 340, 230-6	9.3	20
130	The production of carbon materials by hydrothermal carbonization of cellulose. <i>Carbon</i> , 2009 , 47, 2281-2289	12.1	1270
129	Magnetically separable bimodal mesoporous carbons with a large capacity for the immobilization of biomolecules. <i>Carbon</i> , 2009 , 47, 2519-2527	10.4	31
128	Nickel nanoparticles deposited into an activated porous carbon: synthesis, microstructure and magnetic properties. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009 , 3, 4-6	2.5	20
127	Preparation, Characterization, and Enzyme Immobilization Capacities of Superparamagnetic Silica/Iron Oxide Nanocomposites with Mesostructured Porosity. <i>Chemistry of Materials</i> , 2009 , 21, 1806-1814	9.6	66
126	Templated synthesis of nanosized mesoporous carbons. <i>Materials Research Bulletin</i> , 2008 , 43, 1898-1904	5.1	7
125	Solid-phase synthesis of graphitic carbon nanostructures from iron and cobalt gluconates and their utilization as electrocatalyst supports. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1433-42	3.6	57
124	Exchange-bias and superparamagnetic behaviour of Fe nanoparticles embedded in a porous carbon matrix. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5219-5221	3.9	13
123	Fabrication of Monodisperse Mesoporous Carbon Capsules Decorated with Ferrite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 3648-3654	3.8	59
122	Cyanide and Phenol Oxidation on Nanostructured Co ₃ O ₄ Electrodes Prepared by Different Methods. <i>Journal of the Electrochemical Society</i> , 2008 , 155, K110	3.9	31
121	Signatures of clustering in superparamagnetic colloidal nanocomposites of an inorganic and hybrid nature. <i>Small</i> , 2008 , 4, 254-61	11	29
120	Direct synthesis of graphitic carbon nanostructures from saccharides and their use as electrocatalytic supports. <i>Carbon</i> , 2008 , 46, 931-939	10.4	75
119	Highly active structured catalyst made up of mesoporous Co ₃ O ₄ nanowires supported on a metal wire mesh for the preferential oxidation of CO. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 6687-6695	6.7	57
118	Templated synthesis of high surface area inorganic oxides by silica aquagel-confined co-precipitation. <i>Microporous and Mesoporous Materials</i> , 2008 , 112, 291-298	5.3	8

117	Control of the structural properties of mesoporous polymers synthesized using porous silica materials as templates. <i>Microporous and Mesoporous Materials</i> , 2008 , 112, 319-326	5.3	20
116	Synthesis of Graphitic Carbon Nanostructures from Sawdust and Their Application as Electrocatalyst Supports. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 9749-9756	3.8	120
115	Facile synthetic route to nanosized ferrites by using mesoporous silica as a hard template. <i>Nanotechnology</i> , 2007 , 18, 145603	3.4	27
114	Manganese ferrite nanoparticles synthesized through a nanocasting route as a highly active Fenton catalyst. <i>Catalysis Communications</i> , 2007 , 8, 2037-2042	3.2	91
113	Synthesis of Highly Uniform Mesoporous Sub-Micrometric Capsules of Silicon Oxycarbide and Silica. <i>Chemistry of Materials</i> , 2007 , 19, 3096-3098	9.6	49
112	Synthetic Route to Nanocomposites Made Up of Inorganic Nanoparticles Confined within a Hollow Mesoporous Carbon Shell. <i>Chemistry of Materials</i> , 2007 , 19, 5418-5423	9.6	94
111	Templated Synthesis of Mesoporous Superparamagnetic Polymers. <i>Advanced Functional Materials</i> , 2007 , 17, 2321-2327	15.6	21
110	Enhanced high rate performance of LiMn ₂ O ₄ spinel nanoparticles synthesized by a hard-template route. <i>Journal of Power Sources</i> , 2007 , 166, 492-498	8.9	58
109	Saccharide-based graphitic carbon nanocoils as supports for PtRu nanoparticles for methanol electrooxidation. <i>Journal of Power Sources</i> , 2007 , 171, 546-551	8.9	62
108	Encapsulation of nanosized catalysts in the hollow core of a mesoporous carbon capsule. <i>Journal of Catalysis</i> , 2007 , 251, 239-243	7.3	66
107	Monodisperse carbon-polymer mesoporous spheres with magnetic functionality and adjustable pore-size distribution. <i>Small</i> , 2007 , 3, 275-9	11	61
106	Synthesis of macro/mesoporous silica and carbon monoliths by using a commercial polyurethane foam as sacrificial template. <i>Materials Letters</i> , 2007 , 61, 2378-2381	3.3	44
105	High Surface Area CuMn ₂ O ₄ Prepared by Silica-Aquagel Confined co-precipitation. Characterization and Testing in Steam Reforming of Methanol (SRM). <i>Catalysis Letters</i> , 2007 , 118, 8-14	2.8	15
104	Performance of templated mesoporous carbons in supercapacitors. <i>Electrochimica Acta</i> , 2007 , 52, 3207-3215	3.7	106
103	Modeling the breakthrough behavior of an activated carbon fiber monolith in . <i>Chemical Engineering Science</i> , 2006 , 61, 4762-4772	4.4	10
102	High-surface area inorganic compounds prepared by nanocasting techniques. <i>Materials Research Bulletin</i> , 2006 , 41, 2187-2197	5.1	103
101	A Facile Route for the Preparation of Superparamagnetic Porous Carbons. <i>Chemistry of Materials</i> , 2006 , 18, 1675-1679	9.6	81
100	Catalytic graphitization of templated mesoporous carbons. <i>Carbon</i> , 2006 , 44, 468-474	10.4	380

99	Synthesis of magnetically separable adsorbents through the incorporation of protected nickel nanoparticles in an activated carbon. <i>Carbon</i> , 2006 , 44, 1954-1957	10.4	50
98	Nanosized catalysts for the production of hydrogen by methanol steam reforming. <i>Catalysis Today</i> , 2006 , 116, 354-360	5.3	70
97	Preparation of Nanosized Perovskites and Spinel through a Silica Xerogel Template Route. <i>Chemistry of Materials</i> , 2005 , 17, 1919-1922	9.6	59
96	Mesoporous carbons with graphitic structures fabricated by using porous silica materials as templates and iron-impregnated polypyrrole as precursor. <i>Journal of Materials Chemistry</i> , 2005 , 15, 1079		137
95	A general and low-cost synthetic route to high-surface area metal oxides through a silica xerogel template. <i>Journal of Physics and Chemistry of Solids</i> , 2005 , 66, 741-747	3.9	33
94	Templated mesoporous carbons for supercapacitor application. <i>Electrochimica Acta</i> , 2005 , 50, 2799-2805	5.7	362
93	On the electrical double-layer capacitance of mesoporous templated carbons. <i>Carbon</i> , 2005 , 43, 3012-3015	15.4	42
92	Highly active and selective CuOx/CeO2 catalyst prepared by a single-step citrate method for preferential oxidation of carbon monoxide. <i>Applied Catalysis B: Environmental</i> , 2005 , 57, 43-53	21.8	152
91	Encapsulation of Polypyrrole Chains Inside the Framework of an Ordered Mesoporous Carbon. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 1055-1059	4.8	6
90	Electrochemical capacitor performance of mesoporous carbons obtained by templating technique. <i>Carbon</i> , 2005 , 43, 866-870	10.4	94
89	Mechanism of low-temperature selective catalytic reduction of NO with NH3 over carbon-supported Mn3O4 Role of surface NH3 species: SCR mechanism. <i>Journal of Catalysis</i> , 2004 , 226, 138-155	7.3	136
88	Co-adsorption of n-butane/water vapour mixtures on activated carbon fibre-based monoliths. <i>Carbon</i> , 2004 , 42, 71-81	10.4	32
87	Graphitic mesoporous carbons synthesised through mesostructured silica templates. <i>Carbon</i> , 2004 , 42, 3049-3055	10.4	159
86	Meso/Macroporous Carbon Monoliths from Polymeric Foams. <i>Advanced Engineering Materials</i> , 2004 , 6, 897-899	3.5	46
85	Effects of phenolic resin pyrolysis conditions on carbon membrane performance for gas separation. <i>Journal of Membrane Science</i> , 2004 , 228, 45-54	9.6	102
84	Synthesis of ordered nanoporous carbons of tunable mesopore size by templating SBA-15 silica materials. <i>Microporous and Mesoporous Materials</i> , 2004 , 67, 273-281	5.3	126
83	Synthesis and characterisation of mesoporous carbons of large textural porosity and tunable pore size by templating mesostructured HMS silica materials. <i>Microporous and Mesoporous Materials</i> , 2004 , 74, 49-58	5.3	36
82	Influence of pore structure on electric double-layer capacitance of template mesoporous carbons. <i>Journal of Power Sources</i> , 2004 , 133, 329-336	8.9	250

81	Adsorption and breakthrough performance of carbon-coated ceramic monoliths at low concentration of n-butane. <i>Chemical Engineering Science</i> , 2004 , 59, 2791-2800	4.4	47
80	Template synthesis of mesoporous carbons with tailorable pore size and porosity. <i>Carbon</i> , 2004 , 42, 433-436	4.3	68
79	Kinetics and Mechanism of Low-Temperature SCR of NO _x with NH ₃ over Vanadium Oxide Supported on Carbon-Ceramic Cellular Monoliths. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 2349-2355	3.9	29
78	Mechanism of low temperature selective catalytic reduction of NO with NH ₃ over carbon-supported Mn ₃ O ₄ . <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 453-464	3.6	34
77	Low-Cost Synthetic Route to Mesoporous Carbons with Narrow Pore Size Distributions and Tunable Porosity through Silica Xerogel Templates. <i>Chemistry of Materials</i> , 2004 , 16, 449-455	9.6	40
76	Synthesis of mesostructured silica with tailorable textural porosity and particle size. <i>Materials Letters</i> , 2004 , 58, 1494-1497	3.3	11
75	Low-temperature SCR of NO _x with NH ₃ over activated carbon fiber composite-supported metal oxides. <i>Applied Catalysis B: Environmental</i> , 2003 , 41, 323-338	21.8	98
74	Low-temperature SCR of NO _x with NH ₃ over carbon-ceramic supported catalysts. <i>Applied Catalysis B: Environmental</i> , 2003 , 46, 261-271	21.8	80
73	Adsorption of volatile organic compounds by means of activated carbon fibre-based monoliths. <i>Carbon</i> , 2003 , 41, 87-96	10.4	99
72	Importance of micropore size distribution on adsorption at low adsorbate concentrations. <i>Carbon</i> , 2003 , 41, 843-846	10.4	11
71	Influence of separation temperature on the performance of adsorption-selective carbon membranes. <i>Carbon</i> , 2003 , 41, 2016-2019	10.4	2
70	Silicalite-1 membranes supported on porous carbon discs. <i>Microporous and Mesoporous Materials</i> , 2003 , 59, 147-159	5.3	17
69	Control of mesoporous structure of carbons synthesised using a mesostructured silica as template. <i>Microporous and Mesoporous Materials</i> , 2003 , 62, 177-190	5.3	117
68	Template synthesis of mesoporous carbons with a controlled particle size. <i>Journal of Materials Chemistry</i> , 2003 , 13, 3085		110
67	Template synthesis of mesoporous carbons from mesostructured silica by vapor deposition polymerisation. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1843		42
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65	Preparation and Characterization of Mesoporous Hybrid Particle-Fiber Carbon Monoliths. <i>Advanced Engineering Materials</i> , 2002 , 4, 291-294	3.5	
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62	Preparation of microporous carbon/ceramic cellular monoliths. <i>Microporous and Mesoporous Materials</i> , 2001 , 43, 113-126	5.3	51
61	Effect of air oxidation on gas separation properties of adsorption-selective carbon membranes. <i>Carbon</i> , 2001 , 39, 697-706	10.4	59
60	Aging of carbon membranes under different environments. <i>Carbon</i> , 2001 , 39, 733-740	10.4	87
59	Analysis of major, minor and trace elements in coal by radioisotope X-ray fluorescence spectrometry. <i>Fuel</i> , 2001 , 80, 255-261	7.1	19
58	Preparation and Characterization of Adsorption-Selective Carbon Membranes for Gas Separation. <i>Adsorption</i> , 2001 , 7, 117-129	2.6	29
57	Low-temperature SCR of NO with NH ₃ over carbon/ceramic cellular monolith-supported manganese oxides. <i>Catalysis Today</i> , 2001 , 69, 259-264	5.3	35
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55	Low-temperature SCR of NO _x with NH ₃ over Nomex/fibers-based activated carbon fibre composite-supported manganese oxides. <i>Applied Catalysis B: Environmental</i> , 2001 , 34, 43-53	21.8	41
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48	Adsorption-selective carbon membrane for gas separation. <i>Journal of Membrane Science</i> , 2000 , 177, 9-16	9.6	80
47	Low temperature selective catalytic reduction of NO over modified activated carbon fibres. <i>Applied Catalysis B: Environmental</i> , 2000 , 27, 27-36	21.8	91
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45	Supported carbon molecular sieve membranes based on a phenolic resin. <i>Journal of Membrane Science</i> , 1999 , 160, 201-211	9.6	186
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43	Potentiometric determination of sulphur in solid samples with a sulphide selective electrode. <i>Analytica Chimica Acta</i> , 1999 , 380, 39-45	6.6	43
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38	Treatments to enhance the SO ₂ capture by activated carbon fibres. <i>Applied Catalysis B: Environmental</i> , 1998 , 18, 171-179	21.8	65
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36	Preparation of supported asymmetric carbon molecular sieve membranes. <i>Journal of Membrane Science</i> , 1998 , 144, 105-111	9.6	109
35	Influence of percolation on the modification of overall particle properties during gasification of porous solids. <i>Chemical Engineering Science</i> , 1997 , 52, 1-11	4.4	23
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32	Modelling the gasification of carbon fibres. <i>Carbon</i> , 1996 , 34, 223-230	10.4	12
31	Simulation of secondary fragmentation during fluidized bed combustion of char particles. <i>Powder Technology</i> , 1996 , 89, 71-78	5.2	17
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28	Sulfation of dolomite particles at high CO ₂ partial pressures. <i>Thermochimica Acta</i> , 1995 , 254, 63-78	2.9	18

27	Laboratory testing of different SO ₂ sorbents for dry sorbent injection. <i>Coal Science and Technology</i> , 1995 , 24, 1851-1854		1
26	Characterizing fuels for atmospheric fluidized bed combustion. <i>Combustion and Flame</i> , 1995 , 103, 41-58	5.3	20
25	Influence of coal oxidation upon char gasification reactivity. <i>Fuel</i> , 1995 , 74, 729-735	7.1	50
24	A SIMPLE METHOD FOR STUDYING THE KINETICS OF GAS-SOLID REACTIONS IN A FLUIDIZED BED REACTOR. <i>Chemical Engineering Communications</i> , 1994 , 130, 241-250	2.2	3
23	Influence of coal preoxidation on textural properties of chars. <i>Studies in Surface Science and Catalysis</i> , 1994 , 651-659	1.8	2
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21	Study of the direct sulfation of limestone particles at high CO ₂ partial pressures. <i>Fuel Processing Technology</i> , 1994 , 38, 181-192	7.2	34
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12	Changes in textural properties of limestone and dolomite during calcination. <i>Thermochimica Acta</i> , 1991 , 179, 125-134	2.9	15
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