

# Antonio Benito Fuertes

## List of Publications by Citations

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224  
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229  
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19,842  
ext. citations

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#	Paper	IF	Citations
224	The production of carbon materials by hydrothermal carbonization of cellulose. <i>Carbon</i> , <b>2009</b> , 47, 2281-2289	4.8	1270
223	Chemical and structural properties of carbonaceous products obtained by hydrothermal carbonization of saccharides. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 4195-203	4.8	986
222	Sustainable porous carbons with a superior performance for CO <sub>2</sub> capture. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 1765	35.4	749
221	N-Doped Polypyrrole-Based Porous Carbons for CO <sub>2</sub> Capture. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 2781-2787	15.6	749
220	Direct synthesis of highly porous interconnected carbon nanosheets and their application as high-performance supercapacitors. <i>ACS Nano</i> , <b>2014</b> , 8, 5069-78	16.7	540
219	Hydrothermal Carbonization of Abundant Renewable Natural Organic Chemicals for High-Performance Supercapacitor Electrodes. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 356-361	21.8	470
218	Catalytic graphitization of templated mesoporous carbons. <i>Carbon</i> , <b>2006</b> , 44, 468-474	10.4	380
217	Templated mesoporous carbons for supercapacitor application. <i>Electrochimica Acta</i> , <b>2005</b> , 50, 2799-2805	6.7	362
216	Polypyrrole-Derived Activated Carbons for High-Performance Electrical Double-Layer Capacitors with Ionic Liquid Electrolyte. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 827-834	15.6	359
215	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> , <b>2016</b> , 10, 5922-32	16.7	345
214	High density hydrogen storage in superactivated carbons from hydrothermally carbonized renewable organic materials. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 1400	35.4	339
213	Assessment of the role of micropore size and N-doping in CO <sub>2</sub> capture by porous carbons. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 6360-8	9.5	265
212	Hydrothermal carbonization of biomass as a route for the sequestration of CO <sub>2</sub> : Chemical and structural properties of the carbonized products. <i>Biomass and Bioenergy</i> , <b>2011</b> , 35, 3152-3159	5.3	263
211	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> , <b>2013</b> , 6, 2465	35.4	262
210	Chemical and structural properties of carbonaceous products obtained by pyrolysis and hydrothermal carbonisation of corn stover. <i>Soil Research</i> , <b>2010</b> , 48, 618	1.8	253
209	Influence of pore structure on electric double-layer capacitance of template mesoporous carbons. <i>Journal of Power Sources</i> , <b>2004</b> , 133, 329-336	8.9	250
208	High-performance CO <sub>2</sub> sorbents from algae. <i>RSC Advances</i> , <b>2012</b> , 2, 12792	3.7	194

207	Hierarchical microporous/mesoporous carbon nanosheets for high-performance supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 4344-53	9.5	187
206	Supported carbon molecular sieve membranes based on a phenolic resin. <i>Journal of Membrane Science</i> , <b>1999</b> , 160, 201-211	9.6	186
205	N-doped porous carbon capsules with tunable porosity for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2914-2923	13	175
204	One-step synthesis of silica@resorcinol-formaldehyde spheres and their application for the fabrication of polymer and carbon capsules. <i>Chemical Communications</i> , <b>2012</b> , 48, 6124-6	5.8	174
203	CO <sub>2</sub> adsorption by activated templated carbons. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 366, 147-154	10.4	169
202	Graphitic mesoporous carbons synthesised through mesostructured silica templates. <i>Carbon</i> , <b>2004</b> , 42, 3049-3055	10.4	159
201	The influence of pore size distribution on the oxygen reduction reaction performance in nitrogen doped carbon microspheres. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 2581-2589	13	158
200	Beyond KOH activation for the synthesis of superactivated carbons from hydrochar. <i>Carbon</i> , <b>2017</b> , 114, 50-58	10.4	154
199	Highly active and selective CuO <sub>x</sub> /CeO <sub>2</sub> catalyst prepared by a single-step citrate method for preferential oxidation of carbon monoxide. <i>Applied Catalysis B: Environmental</i> , <b>2005</b> , 57, 43-53	21.8	152
198	Efficient metal-free N-doped mesoporous carbon catalysts for ORR by a template-free approach. <i>Carbon</i> , <b>2016</b> , 106, 179-187	10.4	149
197	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> , <b>2005</b> , 15, 1079		137
196	Mechanism of low-temperature selective catalytic reduction of NO with NH <sub>3</sub> over carbon-supported Mn <sub>3</sub> O <sub>4</sub> Role of surface NH <sub>3</sub> species: SCR mechanism. <i>Journal of Catalysis</i> , <b>2004</b> , 226, 138-155	7.3	136
195	Ultra-high surface area polypyrrole-based carbons with superior performance for hydrogen storage. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 2930	35.4	132
194	Hydrothermal synthesis of microalgae-derived microporous carbons for electrochemical capacitors. <i>Journal of Power Sources</i> , <b>2014</b> , 267, 26-32	8.9	131
193	Synthesis of ordered nanoporous carbons of tunable mesopore size by templating SBA-15 silica materials. <i>Microporous and Mesoporous Materials</i> , <b>2004</b> , 67, 273-281	5.3	126
192	Carbon composite membranes from Matrimid <sup>®</sup> and Kapton <sup>®</sup> polyimides for gas separation. <i>Microporous and Mesoporous Materials</i> , <b>1999</b> , 33, 115-125	5.3	125
191	A Green Approach to High-Performance Supercapacitor Electrodes: The Chemical Activation of Hydrochar with Potassium Bicarbonate. <i>ChemSusChem</i> , <b>2016</b> , 9, 1880-8	8.3	124
190	Fabrication of porous carbon monoliths with a graphitic framework. <i>Carbon</i> , <b>2013</b> , 56, 155-166	10.4	121

189	Synthesis of Graphitic Carbon Nanostructures from Sawdust and Their Application as Electrocatalyst Supports. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 9749-9756	3.8	120
188	Control of mesoporous structure of carbons synthesised using a mesostructured silica as template. <i>Microporous and Mesoporous Materials</i> , <b>2003</b> , 62, 177-190	5.3	117
187	A general and facile synthesis strategy towards highly porous carbons: carbonization of organic salts. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13738	13	113
186	Template synthesis of mesoporous carbons with a controlled particle size. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 3085		110
185	From Soybean residue to advanced supercapacitors. <i>Scientific Reports</i> , <b>2015</b> , 5, 16618	4.9	109
184	Preparation of supported asymmetric carbon molecular sieve membranes. <i>Journal of Membrane Science</i> , <b>1998</b> , 144, 105-111	9.6	109
183	Performance of templated mesoporous carbons in supercapacitors. <i>Electrochimica Acta</i> , <b>2007</b> , 52, 3207-3215	10.5	106
182	Graphitic carbon nanostructures from cellulose. <i>Chemical Physics Letters</i> , <b>2010</b> , 490, 63-68	2.5	104
181	High-surface area inorganic compounds prepared by nanocasting techniques. <i>Materials Research Bulletin</i> , <b>2006</b> , 41, 2187-2197	5.1	103
180	Effects of phenolic resin pyrolysis conditions on carbon membrane performance for gas separation. <i>Journal of Membrane Science</i> , <b>2004</b> , 228, 45-54	9.6	102
179	Carbon molecular sieve gas separation membranes based on poly(vinylidene chloride-co-vinyl chloride). <i>Carbon</i> , <b>2000</b> , 38, 1067-1073	10.4	100
178	Adsorption of volatile organic compounds by means of activated carbon fibre-based monoliths. <i>Carbon</i> , <b>2003</b> , 41, 87-96	10.4	99
177	Mesoporous carbons synthesized by direct carbonization of citrate salts for use as high-performance capacitors. <i>Carbon</i> , <b>2015</b> , 88, 239-251	10.4	98
176	Low-temperature SCR of NO <sub>x</sub> with NH <sub>3</sub> over activated carbon fiber composite-supported metal oxides. <i>Applied Catalysis B: Environmental</i> , <b>2003</b> , 41, 323-338	21.8	98
175	Synthetic Route to Nanocomposites Made Up of Inorganic Nanoparticles Confined within a Hollow Mesoporous Carbon Shell. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 5418-5423	9.6	94
174	Electrochemical capacitor performance of mesoporous carbons obtained by templating technique. <i>Carbon</i> , <b>2005</b> , 43, 866-870	10.4	94
173	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 &amp; Interfaces</i> , <b>2018</b> , 10, 1623-1633	9.5	93
172	Manganese ferrite nanoparticles synthesized through a nanocasting route as a highly active Fenton catalyst. <i>Catalysis Communications</i> , <b>2007</b> , 8, 2037-2042	3.2	91

171	Low temperature selective catalytic reduction of NO over modified activated carbon fibres. <i>Applied Catalysis B: Environmental</i> , <b>2000</b> , 27, 27-36	21.8	91
170	Aging of carbon membranes under different environments. <i>Carbon</i> , <b>2001</b> , 39, 733-740	10.4	87
169	High-surface area carbons from renewable sources with a bimodal micro-mesoporosity for high-performance ionic liquid-based supercapacitors. <i>Carbon</i> , <b>2015</b> , 94, 41-52	10.4	86
168	Separation of hydrocarbon gas mixtures using phenolic resin-based carbon membranes. <i>Separation and Purification Technology</i> , <b>2002</b> , 28, 29-41	8.3	85
167	Preparation and hydrogen storage capacity of highly porous activated carbon materials derived from polythiophene. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 15658-15663	6.7	84
166	Polypyrrole-derived mesoporous nitrogen-doped carbons with intrinsic catalytic activity in the oxygen reduction reaction. <i>RSC Advances</i> , <b>2013</b> , 3, 9904	3.7	82
165	Synthesis of Uniform Mesoporous Carbon Capsules by Carbonization of Organosilica Nanospheres. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 2526-2533	9.6	82
164	One-step synthesis of ultra-high surface area nanoporous carbons and their application for electrochemical energy storage. <i>Carbon</i> , <b>2018</b> , 131, 193-200	10.4	81
163	A Facile Route for the Preparation of Superparamagnetic Porous Carbons. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 1675-1679	9.6	81
162	Carbon molecular sieve membranes from polyetherimide. <i>Microporous and Mesoporous Materials</i> , <b>1998</b> , 26, 23-26	5.3	80
161	Low-temperature SCR of NO <sub>x</sub> with NH <sub>3</sub> over carbon-ceramic supported catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2003</b> , 46, 261-271	21.8	80
160	Adsorption-selective carbon membrane for gas separation. <i>Journal of Membrane Science</i> , <b>2000</b> , 177, 9-16	6.6	80
159	Sustainable supercapacitor electrodes produced by the activation of biomass with sodium thiosulfate. <i>Energy Storage Materials</i> , <b>2019</b> , 18, 356-365	19.4	75
158	Direct synthesis of graphitic carbon nanostructures from saccharides and their use as electrocatalytic supports. <i>Carbon</i> , <b>2008</b> , 46, 931-939	10.4	75
157	Carbon molecular sieve membranes derived from a phenolic resin supported on porous ceramic tubes. <i>Separation and Purification Technology</i> , <b>2001</b> , 25, 379-384	8.3	75
156	Interplay between microstructure and magnetism in NiO nanoparticles: breakdown of the antiferromagnetic order. <i>Nanoscale</i> , <b>2014</b> , 6, 457-65	7.7	72
155	Highly dispersed platinum nanoparticles on carbon nanocoils and their electrocatalytic performance for fuel cell reactions. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 2234-2238	6.7	72
154	Nanosized catalysts for the production of hydrogen by methanol steam reforming. <i>Catalysis Today</i> , <b>2006</b> , 116, 354-360	5.3	70

153	One-Pot Synthesis of Biomass-Based Hierarchical Porous Carbons with a Large Porosity Development. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 6900-6907	9.6	68
152	Synthesis of carbon-based solid acid microspheres and their application to the production of biodiesel. <i>ChemSusChem</i> , <b>2010</b> , 3, 1352-4	8.3	68
151	Template synthesis of mesoporous carbons with tailorable pore size and porosity. <i>Carbon</i> , <b>2004</b> , 42, 433-436	11.4	68
150	Sulfonated mesoporous silica-carbon composites and their use as solid acid catalysts. <i>Applied Surface Science</i> , <b>2012</b> , 261, 574-583	6.7	66
149	Preparation, Characterization, and Enzyme Immobilization Capacities of Superparamagnetic Silica/Iron Oxide Nanocomposites with Mesoporous Porosity. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1806-1814	9.6	66
148	Encapsulation of nanosized catalysts in the hollow core of a mesoporous carbon capsule. <i>Journal of Catalysis</i> , <b>2007</b> , 251, 239-243	7.3	66
147	Treatments to enhance the SO <sub>2</sub> capture by activated carbon fibres. <i>Applied Catalysis B: Environmental</i> , <b>1998</b> , 18, 171-179	21.8	65
146	One-pot synthesis of microporous carbons highly enriched in nitrogen and their electrochemical performance. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 14439-14448	13	63
145	Saccharide-based graphitic carbon nanocoils as supports for PtRu nanoparticles for methanol electrooxidation. <i>Journal of Power Sources</i> , <b>2007</b> , 171, 546-551	8.9	62
144	Monodisperse carbon-polymer mesoporous spheres with magnetic functionality and adjustable pore-size distribution. <i>Small</i> , <b>2007</b> , 3, 275-9	11	61
143	Highly porous S-doped carbons. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 158, 318-323	5.3	60
142	Low temperature selective catalytic reduction of NO over polyarylamide-based carbon fibres. <i>Applied Catalysis B: Environmental</i> , <b>1999</b> , 23, 25-35	21.8	60
141	Fabrication of Monodisperse Mesoporous Carbon Capsules Decorated with Ferrite Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 3648-3654	3.8	59
140	Preparation of Nanosized Perovskites and Spinel through a Silica Xerogel Template Route. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1919-1922	9.6	59
139	Effect of air oxidation on gas separation properties of adsorption-selective carbon membranes. <i>Carbon</i> , <b>2001</b> , 39, 697-706	10.4	59
138	N-doped microporous carbon microspheres for high volumetric performance supercapacitors. <i>Electrochimica Acta</i> , <b>2015</b> , 168, 320-329	6.7	58
137	Enhanced high rate performance of LiMn <sub>2</sub> O <sub>4</sub> spinel nanoparticles synthesized by a hard-template route. <i>Journal of Power Sources</i> , <b>2007</b> , 166, 492-498	8.9	58
136	Mesoporous carbon capsules as electrode materials in electrochemical double layer capacitors. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 2652-5	3.6	57

135	Solid-phase synthesis of graphitic carbon nanostructures from iron and cobalt gluconates and their utilization as electrocatalyst supports. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 1433-42	3.6	57
134	Highly active structured catalyst made up of mesoporous Co <sub>3</sub> O <sub>4</sub> nanowires supported on a metal wire mesh for the preferential oxidation of CO. <i>International Journal of Hydrogen Energy</i> , <b>2008</b> , 33, 6687-6695	6.7	57
133	Porous structure of polyarylamide-based activated carbon fibres. <i>Carbon</i> , <b>1996</b> , 34, 1201-1206	10.4	57
132	Preparation of supported carbon molecular sieve membranes. <i>Carbon</i> , <b>1999</b> , 37, 679-684	10.4	56
131	Superior capacitive performance of hydrochar-based porous carbons in aqueous electrolytes. <i>ChemSusChem</i> , <b>2015</b> , 8, 1049-57	8.3	54
130	Preparation of microporous carbon/ceramic cellular monoliths. <i>Microporous and Mesoporous Materials</i> , <b>2001</b> , 43, 113-126	5.3	51
129	Synthesis of magnetically separable adsorbents through the incorporation of protected nickel nanoparticles in an activated carbon. <i>Carbon</i> , <b>2006</b> , 44, 1954-1957	10.4	50
128	Influence of coal oxidation upon char gasification reactivity. <i>Fuel</i> , <b>1995</b> , 74, 729-735	7.1	50
127	Boosting High-Performance in Lithium-Sulfur Batteries via Dilute Electrolyte. <i>Nano Letters</i> , <b>2020</b> , 20, 5391-5399	11.5	49
126	Synthesis of Highly Uniform Mesoporous Sub-Micrometric Capsules of Silicon Oxycarbide and Silica. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 3096-3098	9.6	49
125	Highly Porous Renewable Carbons for Enhanced Storage of Energy-Related Gases (H <sub>2</sub> and CO <sub>2</sub> ) at High Pressures. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 4710-4716	8.3	48
124	SURFACE AREA AND PORE SIZE CHANGES DURING SINTERING OF CALCIUM OXIDE PARTICLES. <i>Chemical Engineering Communications</i> , <b>1991</b> , 109, 73-88	2.2	48
123	Attrition of coal ash particles in a fluidized bed. <i>Powder Technology</i> , <b>1991</b> , 66, 41-46	5.2	48
122	Adsorption and breakthrough performance of carbon-coated ceramic monoliths at low concentration of n-butane. <i>Chemical Engineering Science</i> , <b>2004</b> , 59, 2791-2800	4.4	47
121	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> , <b>2019</b> , 7, 14280-14290	13	46
120	Meso/Macroporous Carbon Monoliths from Polymeric Foams. <i>Advanced Engineering Materials</i> , <b>2004</b> , 6, 897-899	3.5	46
119	Graphene-cellulose tissue composites for high power supercapacitors. <i>Energy Storage Materials</i> , <b>2016</b> , 5, 33-42	19.4	45
118	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> , <b>2010</b> , 349, 173-80	9.3	44

117	Synthesis of macro/mesoporous silica and carbon monoliths by using a commercial polyurethane foam as sacrificial template. <i>Materials Letters</i> , <b>2007</b> , 61, 2378-2381	3.3	44
116	Potentiometric determination of sulphur in solid samples with a sulphide selective electrode. <i>Analytica Chimica Acta</i> , <b>1999</b> , 380, 39-45	6.6	43
115	Template synthesis of mesoporous carbons from mesostructured silica by vapor deposition polymerisation. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 1843		42
114	On the electrical double-layer capacitance of mesoporous templated carbons. <i>Carbon</i> , <b>2005</b> , 43, 3012-3015	15.4	42
113	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> , <b>2018</b> , 6, 16323-16331	8.3	42
112	Low-temperature SCR of NO <sub>x</sub> with NH <sub>3</sub> over Nomex rejects-based activated carbon fibre composite-supported manganese oxides. <i>Applied Catalysis B: Environmental</i> , <b>2001</b> , 34, 43-53	21.8	41
111	Low-Cost Synthetic Route to Mesoporous Carbons with Narrow Pore Size Distributions and Tunable Porosity through Silica Xerogel Templates. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 449-455	9.6	40
110	Easy synthesis of graphitic carbon nanocoils from saccharides. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 113, 208-214	4.4	39
109	Low-temperature SCR of NO <sub>x</sub> with NH <sub>3</sub> over Nomex rejects-based activated carbon fibre composite-supported manganese oxides. <i>Applied Catalysis B: Environmental</i> , <b>2001</b> , 34, 55-71	21.8	38
108	More Sustainable Chemical Activation Strategies for the Production of Porous Carbons. <i>ChemSusChem</i> , <b>2021</b> , 14, 94-117	8.3	38
107	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> , <b>2004</b> , 74, 49-58	5.3	36
106	Free-standing hybrid films based on graphene and porous carbon particles for flexible supercapacitors. <i>Sustainable Energy and Fuels</i> , <b>2017</b> , 1, 127-137	5.8	35
105	Scrutinizing the role of size reduction on the exchange bias and dynamic magnetic behavior in NiO nanoparticles. <i>Nanotechnology</i> , <b>2015</b> , 26, 305705	3.4	35
104	Low-temperature SCR of NO with NH <sub>3</sub> over carbon/ceramic cellular monolith-supported manganese oxides. <i>Catalysis Today</i> , <b>2001</b> , 69, 259-264	5.3	35
103	Size effects on the Néel temperature of antiferromagnetic NiO nanoparticles. <i>AIP Advances</i> , <b>2016</b> , 6, 056104	1.5	35
102	Microstructure and magnetism of nanoparticles with Fe core surrounded by Fe and iron oxide shells. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	34
101	Mesostructured silica/carbon composites synthesized by employing surfactants as carbon source. <i>Microporous and Mesoporous Materials</i> , <b>2010</b> , 134, 165-174	5.3	34
100	Mechanism of low temperature selective catalytic reduction of NO with NH <sub>3</sub> over carbon-supported Mn <sub>3</sub> O <sub>4</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 453-464	3.6	34

99	Study of the direct sulfation of limestone particles at high CO <sub>2</sub> partial pressures. <i>Fuel Processing Technology</i> , <b>1994</b> , 38, 181-192	7.2	34
98	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> , <b>2005</b> , 66, 741-747	3.9	33
97	Enhanced Protection of Carbon-Encapsulated Magnetic Nickel Nanoparticles through a Sucrose-Based Synthetic Strategy. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 5294-5300	3.8	32
96	Co-adsorption of n-butane/water vapour mixtures on activated carbon fibre-based monoliths. <i>Carbon</i> , <b>2004</b> , 42, 71-81	10.4	32
95	Magnetically separable bimodal mesoporous carbons with a large capacity for the immobilization of biomolecules. <i>Carbon</i> , <b>2009</b> , 47, 2519-2527	10.4	31
94	Cyanide and Phenol Oxidation on Nanostructured Co <sub>3</sub> O <sub>4</sub> Electrodes Prepared by Different Methods. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, K110	3.9	31
93	Kinetics of the Low-Temperature Selective Catalytic Reduction of NO with NH <sub>3</sub> Over Activated Carbon Fiber Composite-Supported Iron Oxides. <i>Catalysis Letters</i> , <b>2002</b> , 84, 13-19	2.8	31
92	Preparation of active carbons from coal Part I. Oxidation of coal. <i>Fuel Processing Technology</i> , <b>1996</b> , 47, 119-138	7.2	30
91	Influence of coal oxidation on the structure of char. <i>Fuel</i> , <b>1994</b> , 73, 1358-1364	7.1	30
90	Signatures of clustering in superparamagnetic colloidal nanocomposites of an inorganic and hybrid nature. <i>Small</i> , <b>2008</b> , 4, 254-61	11	29
89	Kinetics and Mechanism of Low-Temperature SCR of NO <sub>x</sub> with NH <sub>3</sub> over Vanadium Oxide Supported on Carbon/Ceramic Cellular Monoliths. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 2349-2355	3.9	29
88	Preparation and Characterization of Adsorption-Selective Carbon Membranes for Gas Separation. <i>Adsorption</i> , <b>2001</b> , 7, 117-129	2.6	29
87	Aqueous Dispersions of Graphene from Electrochemically Exfoliated Graphite. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17351-17358	4.8	28
86	Kinetics of oxidation of CaS particles in the regime of low SO <sub>2</sub> release. <i>Chemical Engineering Science</i> , <b>1999</b> , 54, 77-90	4.4	28
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