

# Juan M D Tascon

## List of Publications by Citations

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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.

235 papers	15,488 citations	57 h-index	118 g-index
239 ext. papers	16,645 ext. citations	7.1 avg, IF	6.45 L-index

#	Paper	IF	Citations
235	Graphene oxide dispersions in organic solvents. <i>Langmuir</i> , <b>2008</b> , 24, 10560-4	4	2195
234	Vitamin C Is an Ideal Substitute for Hydrazine in the Reduction of Graphene Oxide Suspensions. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 6426-6432	3.8	1065
233	Raman microprobe studies on carbon materials. <i>Carbon</i> , <b>1994</b> , 32, 1523-1532	10.4	878
232	Atomic force and scanning tunneling microscopy imaging of graphene nanosheets derived from graphite oxide. <i>Langmuir</i> , <b>2009</b> , 25, 5957-68	4	575
231	Highly stable performance of supercapacitors from phosphorus-enriched carbons. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 5026-7	16.4	514
230	High-throughput production of pristine graphene in an aqueous dispersion assisted by non-ionic surfactants. <i>Carbon</i> , <b>2011</b> , 49, 1653-1662	10.4	403
229	Synthetic carbons activated with phosphoric acid. <i>Carbon</i> , <b>2002</b> , 40, 1493-1505	10.4	397
228	Structure and Reactivity of Perovskite-Type Oxides. <i>Advances in Catalysis</i> , <b>1989</b> , 237-328	2.4	310
227	Preparation of graphene dispersions and graphene-polymer composites in organic media. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 3591		276
226	Surface chemistry of phosphorus-containing carbons of lignocellulosic origin. <i>Carbon</i> , <b>2005</b> , 43, 2857-2868	10.4	264
225	A possible buckybowll-like structure of zeolite templated carbon. <i>Carbon</i> , <b>2009</b> , 47, 1220-1230	10.4	203
224	Towards full repair of defects in reduced graphene oxide films by two-step graphitization. <i>Nano Research</i> , <b>2013</b> , 6, 216-233	10	165
223	Oxygen plasma modification of pitch-based isotropic carbon fibres. <i>Carbon</i> , <b>2003</b> , 41, 41-56	10.4	160
222	Environmentally friendly approaches toward the mass production of processable graphene from graphite oxide. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 298-306		154
221	UV light exposure of aqueous graphene oxide suspensions to promote their direct reduction, formation of graphene-metal nanoparticle hybrids and dye degradation. <i>Carbon</i> , <b>2012</b> , 50, 1014-1024	10.4	153
220	Comparative XRD, Raman, and TEM Study on Graphitization of PBO-Derived Carbon Fibers. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 257-268	3.8	150
219	Activated carbons by pyrolysis of coffee bean husks in presence of phosphoric acid. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2003</b> , 70, 779-784	6	134

218	Synthetic carbons activated with phosphoric acid III. Carbons prepared in air. <i>Carbon</i> , <b>2003</b> , 41, 1181-1191	10.4	123
217	Activated carbon fibers from Nomex by chemical activation with phosphoric acid. <i>Carbon</i> , <b>2004</b> , 42, 1419-1426	10.4	122
216	Effects of plasma oxidation on the surface and interfacial properties of ultra-high modulus carbon fibres. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2001</b> , 32, 361-371	8.4	115
215	Methods for Characterization of Inorganic and Mineral Matter in Coal: A Critical Overview. <i>Energy &amp; Fuels</i> , <b>2003</b> , 17, 271-281	4.1	113
214	A study of the effect of plasma treatment on the interfacial properties of carbon fibre/thermoplastic composites. <i>Carbon</i> , <b>2005</b> , 43, 1795-1799	10.4	113
213	Influence of porous texture and surface chemistry on the CO <sub>2</sub> adsorption capacity of porous carbons: acidic and basic site interactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 21237-47	9.5	107
212	Composition of gases released during olive stones pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2002</b> , 65, 313-322	6	107
211	Chemisorption and catalysis on LaMO <sub>3</sub> oxides. <i>Journal of the Chemical Society Faraday Transactions 1</i> , <b>1985</b> , 81, 939		102
210	Effects of plasma oxidation on the surface and interfacial properties of carbon fibres/polycarbonate composites. <i>Carbon</i> , <b>2001</b> , 39, 1057-1068	10.4	101
209	Pyrolysis of apple pulp: chemical activation with phosphoric acid. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2002</b> , 63, 283-301	6	100
208	Chemically exfoliated MoS <sub>2</sub> nanosheets as an efficient catalyst for reduction reactions in the aqueous phase. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 21702-10	9.5	99
207	Surface chemical modifications induced on high surface area graphite and carbon nanofibers using different oxidation and functionalization treatments. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 355, 179-89	9.3	95
206	Oxygen and phosphorus enriched carbons from lignocellulosic material. <i>Carbon</i> , <b>2007</b> , 45, 1941-1950	10.4	95
205	Production of aqueous dispersions of inorganic graphene analogues by exfoliation and stabilization with non-ionic surfactants. <i>RSC Advances</i> , <b>2014</b> , 4, 14115-14127	3.7	90
204	Achieving extremely concentrated aqueous dispersions of graphene flakes and catalytically efficient graphene-metal nanoparticle hybrids with flavin mononucleotide as a high-performance stabilizer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 10293-307	9.5	85
203	Nomex-derived activated carbon fibers as electrode materials in carbon based supercapacitors. <i>Journal of Power Sources</i> , <b>2006</b> , 153, 419-423	8.9	84
202	From graphene oxide to pristine graphene: revealing the inner workings of the full structural restoration. <i>Nanoscale</i> , <b>2015</b> , 7, 2374-90	7.7	83
201	Investigating the influence of surfactants on the stabilization of aqueous reduced graphene oxide dispersions and the characteristics of their composite films. <i>Carbon</i> , <b>2012</b> , 50, 3184-3194	10.4	81

200	Synthetic carbons activated with phosphoric acid: II. Porous structure. <i>Carbon</i> , <b>2002</b> , 40, 1507-1519	10.4	79
199	Tuning of texture and surface chemistry of carbon xerogels. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 324, 150-5	9.3	76
198	Electrolytic exfoliation of graphite in water with multifunctional electrolytes: en route towards high quality, oxide-free graphene flakes. <i>Nanoscale</i> , <b>2016</b> , 8, 2982-98	7.7	75
197	Electrochemical Exfoliation of Graphite in Aqueous Sodium Halide Electrolytes toward Low Oxygen Content Graphene for Energy and Environmental Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 24085-24099	9.5	74
196	Atomic Force Microscopy and Infrared Spectroscopy Studies of the Thermal Degradation of Nomex Aramid Fibers. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 4297-4304	9.6	73
195	Capacitive Behaviours of Phosphorus-Rich Carbons Derived from Lignocelluloses. <i>Electrochimica Acta</i> , <b>2014</b> , 137, 219-227	6.7	70
194	Nitrogen in aramid-based activated carbon fibers by TPD, XPS and XANES. <i>Carbon</i> , <b>2006</b> , 44, 2452-2462	10.4	70
193	Thermal Transformations of Kevlar Aramid Fibers During Pyrolysis: Infrared and Thermal Analysis Studies. <i>Chemistry of Materials</i> , <b>1994</b> , 6, 1918-1924	9.6	70
192	Activated Carbon Materials of Uniform Porosity from Polyaramid Fibers. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 5893-5908	9.6	68
191	Synthesis, characterization and dye removal capacities of N-doped mesoporous carbons. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 450, 91-100	9.3	67
190	Chemical and microscopic analysis of graphene prepared by different reduction degrees of graphene oxide. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 536, S532-S537	5.7	64
189	High quality, low oxygen content and biocompatible graphene nanosheets obtained by anodic exfoliation of different graphite types. <i>Carbon</i> , <b>2015</b> , 94, 729-739	10.4	63
188	Inorganic matter characterization in vegetable biomass feedstocks. <i>Fuel</i> , <b>2002</b> , 81, 1161-1169	7.1	63
187	Studies on pyrolysis of Nomex polyaramid fibers. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2001</b> , 58-59, 105-115	6	63
186	Application of scanning tunneling and atomic force microscopies to the characterization of microporous and mesoporous materials. <i>Microporous and Mesoporous Materials</i> , <b>2003</b> , 65, 93-126	5.3	62
185	Studies on the Thermal Degradation of Poly (p-phenylene benzobisoxazole). <i>Chemistry of Materials</i> , <b>2003</b> , 15, 4052-4059	9.6	61
184	Modification of the surface properties of an activated carbon by oxygen plasma treatment. <i>Fuel</i> , <b>1998</b> , 77, 613-624	7.1	60
183	Pyrolysis of apple pulp: effect of operation conditions and chemical additives. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2002</b> , 62, 93-109	6	60

182	Introduction of acidic groups at the surface of activated carbon by microwave-induced oxygen plasma at low pressure. <i>Carbon</i> , <b>2000</b> , 38, 1021-1029	10.4	60
181	Activated carbon xerogels with a cellular morphology derived from hydrothermally carbonized glucose-graphene oxide hybrids and their performance towards CO <sub>2</sub> and dye adsorption. <i>Carbon</i> , <b>2015</b> , 81, 137-147	10.4	59
180	Shrinkage Properties of Wool Treated with Low Temperature Plasma and Chitosan Biopolymer. <i>Textile Reseach Journal</i> , <b>1999</b> , 69, 811-815	1.7	59
179	Effect of nanostructure on the supercapacitor performance of activated carbon xerogels obtained from hydrothermally carbonized glucose-graphene oxide hybrids. <i>Carbon</i> , <b>2016</b> , 105, 474-483	10.4	57
178	Impact of Covalent Functionalization on the Aqueous Processability, Catalytic Activity, and Biocompatibility of Chemically Exfoliated MoS Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 27974-27986	9.5	56
177	A quantitative analysis of the dispersion behavior of reduced graphene oxide in solvents. <i>Carbon</i> , <b>2014</b> , 75, 390-400	10.4	54
176	Aromatic polyamides as new precursors of nitrogen and oxygen-doped ordered mesoporous carbons. <i>Carbon</i> , <b>2014</b> , 70, 119-129	10.4	53
175	Comparative study of the air and oxygen plasma oxidation of highly oriented pyrolytic graphite: a scanning tunneling and atomic force microscopy investigation. <i>Carbon</i> , <b>2000</b> , 38, 1183-1197	10.4	53
174	Retention of mercury in activated carbons in coal combustion and gasification flue gases. <i>Fuel Processing Technology</i> , <b>2002</b> , 77-78, 353-358	7.2	52
173	Oxygen plasma modification of submicron vapor grown carbon fibers as studied by scanning tunneling microscopy. <i>Carbon</i> , <b>2002</b> , 40, 1101-1108	10.4	52
172	Effect of oxygen plasma treatment of PPTA and PBO fibers on the interfacial properties of single fiber/epoxy composites studied by Raman spectroscopy. <i>Composites Science and Technology</i> , <b>2011</b> , 71, 784-790	8.6	49
171	Activated carbon fibers with a high content of surface functional groups by phosphoric acid activation of PPTA. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 361, 307-15	9.3	49
170	Multiscale imaging and tip-scratch studies reveal insight into the plasma oxidation of graphite. <i>Langmuir</i> , <b>2007</b> , 23, 8932-43	4	49
169	Surface characterisation of plasma-modified poly(ethylene terephthalate). <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 293, 353-63	9.3	48
168	Microporous texture of activated carbon fibres prepared from Nomex aramid fibres. <i>Microporous and Mesoporous Materials</i> , <b>2000</b> , 34, 171-179	5.3	47
167	Porous texture of activated carbons prepared by phosphoric acid activation of apple pulp. <i>Carbon</i> , <b>2001</b> , 39, 1111-1115	10.4	46
166	Surface interactions of NO and CO with LaMO <sub>3</sub> oxides. <i>Journal of Catalysis</i> , <b>1985</b> , 95, 558-566	7.3	46
165	Adsorption of CO <sub>2</sub> on the perovskite-type oxide LaCoO <sub>3</sub> . <i>Journal of the Chemical Society Faraday Transactions I</i> , <b>1981</b> , 77, 591		46

164	A comparative study of the thermal decomposition of apple pulp in the absence and presence of phosphoric acid. <i>Polymer Degradation and Stability</i> , <b>2002</b> , 75, 375-383	4.7	45
163	Investigating the Dispersion Behavior in Solvents, Biocompatibility, and Use as Support for Highly Efficient Metal Catalysts of Exfoliated Graphitic Carbon Nitride. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 24032-45	9.5	44
162	Synthesis of ordered micro/mesoporous carbons by activation of SBA-15 carbon replicas. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 151, 390-396	5.3	44
161	Zeta Potential as a Tool to Characterize Plasma Oxidation of Carbon Fibers. <i>Journal of Colloid and Interface Science</i> , <b>1997</b> , 192, 363-7	9.3	43
160	Surface modification of nanocast ordered mesoporous carbons through a wet oxidation method. <i>Carbon</i> , <b>2013</b> , 62, 193-203	10.4	40
159	N <sub>2</sub> Physisorption on Carbon Nanotubes: Computer Simulation and Experimental Results. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 8905-8916	3.4	40
158	Effects of oxygen and carbon dioxide plasmas on the surface of poly(ethylene terephthalate). <i>Journal of Colloid and Interface Science</i> , <b>2005</b> , 287, 57-66	9.3	40
157	Characterization of synthetic carbons activated with phosphoric acid. <i>Applied Surface Science</i> , <b>2002</b> , 200, 196-202	6.7	39
156	Carbon molecular sieve cloths prepared by chemical vapour deposition of methane for separation of gas mixtures. <i>Microporous and Mesoporous Materials</i> , <b>2005</b> , 77, 109-118	5.3	39
155	Atomic force microscopy investigation of the surface modification of highly oriented pyrolytic graphite by oxygen plasma. <i>Journal of Materials Chemistry</i> , <b>2000</b> , 10, 1585-1591		39
154	Identifying efficient natural bioreductants for the preparation of graphene and graphene-metal nanoparticle hybrids with enhanced catalytic activity from graphite oxide. <i>Carbon</i> , <b>2013</b> , 63, 30-44	10.4	38
153	Porous texture evolution in Nomex-derived activated carbon fibers. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 252, 169-76	9.3	38
152	Determining the thickness of chemically modified graphenes by scanning probe microscopy. <i>Carbon</i> , <b>2010</b> , 48, 2657-2660	10.4	37
151	Surface Characterization of PPTA Fibers Using Inverse Gas Chromatography. <i>Macromolecules</i> , <b>2002</b> , 35, 5085-5096	5.5	35
150	Infrared spectroscopic study of the adsorption of pyridine, carbon monoxide and carbon dioxide on the perovskite-type oxides LaMO <sub>3</sub> . <i>Journal of the Chemical Society Faraday Transactions I</i> , <b>1984</b> , 80, 1089		35
149	Global and Local Oxidation Behavior of Reduced Graphene Oxide. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 7956-7966	3.8	34
148	Microporous texture of activated carbon fibers prepared from aramid fiber pulp. <i>Microporous Materials</i> , <b>1997</b> , 11, 303-311		32
147	Atomic Vacancy Engineering of Graphitic Surfaces: Controlling the Generation and Harnessing the Migration of the Single Vacancy. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 10249-10255	3.8	31

146	A comparison between physically and chemically driven etching in the oxidation of graphite surfaces. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 344, 451-9	9.3	31
145	Modification of the pyrolysis/carbonization of PPTA polymer by intermediate isothermal treatments. <i>Carbon</i> , <b>2008</b> , 46, 985-993	10.4	31
144	Characterization of Microporosity and Mesoporosity in Carbonaceous Materials by Scanning Tunneling Microscopy. <i>Langmuir</i> , <b>2001</b> , 17, 474-480	4	31
143	XPS characterization of coal surfaces: Study of aerial oxidation of brown coals. <i>Surface and Interface Analysis</i> , <b>1988</b> , 12, 565-571	1.5	31
142	Structural investigation of zeolite-templated, ordered microporous carbon by scanning tunneling microscopy and Raman spectroscopy. <i>Langmuir</i> , <b>2005</b> , 21, 8817-23	4	30
141	Suitability of thermogravimetry and differential thermal analysis techniques for characterization of pitches. <i>Fuel</i> , <b>1992</b> , 71, 611-617	7.1	30
140	A simple strategy to improve the yield of graphene nanosheets in the anodic exfoliation of graphite foil. <i>Carbon</i> , <b>2017</b> , 115, 625-628	10.4	29
139	Nitrogen doped mesoporous carbon aerogels and implications for electrocatalytic oxygen reduction reactions. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 230, 135-144	5.3	29
138	Preparation of hierarchical micro-mesoporous aluminosilicate composites by simple Y zeolite/MCM-48 silica assembly. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 583, 60-69	5.7	29
137	Graphitization of highly porous carbons derived from poly(p-phenylene benzobisoxazole). <i>Carbon</i> , <b>2012</b> , 50, 2929-2940	10.4	29
136	Chemical transformations resulting from pyrolysis and CO <sub>2</sub> activation of Kevlar flocks. <i>Carbon</i> , <b>1997</b> , 35, 967-976	10.4	29
135	Mechanical properties of high-strength carbon fibres. Validation of an end-effect model for describing experimental data. <i>Carbon</i> , <b>2004</b> , 42, 1275-1278	10.4	29
134	Nomex polyaramid as a precursor for activated carbon fibres by phosphoric acid activation. Temperature and time effects. <i>Microporous and Mesoporous Materials</i> , <b>2004</b> , 75, 73-80	5.3	29
133	Fibrous Carbon Molecular Sieves by Chemical Vapor Deposition of Benzene. Gas Separation Ability. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 4328-4333	9.6	29
132	Mineral matter in coals of different rank from the Asturian Central basin. <i>Fuel</i> , <b>1992</b> , 71, 367-372	7.1	29
131	Developing green photochemical approaches towards the synthesis of carbon nanofiber- and graphene-supported silver nanoparticles and their use in the catalytic reduction of 4-nitrophenol. <i>RSC Advances</i> , <b>2013</b> , 3, 18323	3.7	28
130	A "Nanopore Lithography" Strategy for Synthesizing Hierarchically Micro/Mesoporous Carbons from ZIF-8/Graphene Oxide Hybrids for Electrochemical Energy Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 44740-44755	9.5	28
129	Effect of Phosphoric Acid on Chemical Transformations during Nomex Pyrolysis. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 2639-2647	9.6	28



128	Aqueous Exfoliation of Transition Metal Dichalcogenides Assisted by DNA/RNA Nucleotides: Catalytically Active and Biocompatible Nanosheets Stabilized by Acid-Base Interactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 2835-2845	9.5	27
127	Morphology and adsorption properties of chemically modified MWCNT probed by nitrogen, n-propane and water vapor. <i>Carbon</i> , <b>2012</b> , 50, 577-585	10.4	27
126	Early Stages of Plasma Oxidation of Graphite: Nanoscale Physicochemical Changes As Detected by Scanning Probe Microscopies. <i>Langmuir</i> , <b>2002</b> , 18, 4314-4323	4	27
125	A study of NO and CO interactions with LaMnO <sub>3</sub> . <i>Journal of Colloid and Interface Science</i> , <b>1987</b> , 119, 100-107	9.7	27
124	Physicochemical properties of LaFeO <sub>3</sub> . Kinetics of reduction and of oxygen adsorption. <i>Journal of the Chemical Society Faraday Transactions I</i> , <b>1985</b> , 81, 2399		27
123	Controlled generation of atomic vacancies in chemical vapor deposited graphene by microwave oxygen plasma. <i>Carbon</i> , <b>2014</b> , 79, 664-669	10.4	26
122	Characterization of aramid based activated carbon fibres by adsorption and immersion techniques. <i>Carbon</i> , <b>2002</b> , 40, 1376-1380	10.4	26
121	Surface Characterization of PBO Fibers. <i>Macromolecules</i> , <b>2003</b> , 36, 8662-8672	5.5	26
120	Graphitization of carbon nanofibers: visualizing the structural evolution on the nanometer and atomic scales by scanning tunneling microscopy. <i>Applied Physics A: Materials Science and Processing</i> , <b>2005</b> , 80, 675-682	2.6	26
119	Carbon reactivity in an oxygen plasma: a comparison with reactivity in molecular oxygen. <i>Carbon</i> , <b>2001</b> , 39, 1135-1146	10.4	26
118	Preparation and porous texture characteristics of fibrous ultrahigh surface area carbons. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 3213-3219		26
117	Organic affinity of trace elements in Asturian bituminous coals. <i>Fuel</i> , <b>1992</b> , 71, 909-917	7.1	26
116	Highly efficient silver-assisted reduction of graphene oxide dispersions at room temperature: mechanism, and catalytic and electrochemical performance of the resulting hybrids. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 7295-7305	13	25
115	Synthesis and characterization of graphene/mesoporous silica nanoparticle hybrids. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 160, 18-24	5.3	25
114	Atomic-scale scanning tunneling microscopy study of plasma-oxidized ultrahigh-modulus carbon fiber surfaces. <i>Journal of Colloid and Interface Science</i> , <b>2003</b> , 258, 276-82	9.3	25
113	Effect of Various Treatments on Carbon Fiber Surfaces Studied by Raman Microprobe Spectrometry. <i>Applied Spectroscopy</i> , <b>1998</b> , 52, 356-360	3.1	25
112	Aqueous Cathodic Exfoliation Strategy toward Solution-Processable and Phase-Preserved MoS <sub>2</sub> Nanosheets for Energy Storage and Catalytic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36991-37003	9.5	24
111	Nanoscale investigation of the structural and chemical changes induced by oxidation on carbon black surfaces: a scanning probe microscopy approach. <i>Journal of Colloid and Interface Science</i> , <b>2005</b> , 288, 190-9	9.3	24



110	Nanoporous carbon fibres by pyrolysis of nomex polyaramid fibres. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2005</b> , 79, 529-532	4.1	24
109	Physisorption of Simple Gases on C60Fullerene. <i>Langmuir</i> , <b>2000</b> , 16, 1343-1348	4	23
108	The importance of electrode characterization to assess the supercapacitor performance of ordered mesoporous carbons. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 235, 1-8	5.3	23
107	Avoiding structure degradation during activation of ordered mesoporous carbons. <i>Carbon</i> , <b>2012</b> , 50, 3826-3835	10.4	22
106	Combining thermal analysis with other techniques to monitor the decomposition of poly(m-phenylene isophthalamide). <i>Magyar Árvíz Kémiai Közlemények</i> , <b>2002</b> , 70, 37-43	0	22
105	Correlation between Arrhenius kinetic parameters in the reaction of different carbon materials with oxygen. <i>Energy &amp; Fuels</i> , <b>1993</b> , 7, 1141-1145	4.1	22
104	Selective oxidation of propene on a molybdenum-prasedodymium-bismuth catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1987</b> , 26, 1419-1424	3.9	22
103	Thermal behaviour of extrographic fractions of coal tar and petroleum pitches. <i>Fuel</i> , <b>1997</b> , 76, 179-187	7.1	21
102	Interactions between organic matter and minerals in two bituminous coals of different rank. <i>International Journal of Coal Geology</i> , <b>1997</b> , 33, 369-386	5.5	21
101	Interactions between carboxyl groups and inorganic elements in Spanish brown coals. <i>Fuel</i> , <b>1990</b> , 69, 362-367	7.1	21
100	Catalytic synergy between MoO3 and BiPO4 in N-ethyl formamide dehydration II. Characterization of mixtures of MoO3 and BiPO4. <i>Journal of Catalysis</i> , <b>1986</b> , 97, 300-311	7.3	21
99	Triangular versus honeycomb structure in atomic-resolution STM images of graphite. <i>Carbon</i> , <b>2001</b> , 39, 476-479	10.4	20
98	Catalytic synergy between MoO3 and BiPO4 in N-ethyl formamide dehydration I. Catalytic properties, reducibility, and reoxidizability of mixtures of MoO3 and BiPO4. <i>Journal of Catalysis</i> , <b>1986</b> , 97, 287-299	7.3	20
97	Efficient Pt electrocatalysts supported onto flavin mononucleotide-exfoliated pristine graphene for the methanol oxidation reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 231, 386-395	6.7	19
96	Structural and surface modifications of carbon nanotubes when submitted to high temperature annealing treatments. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 536, S460-S463	5.7	19
95	Imaging the structure and porosity of active carbons by scanning tunneling microscopy. <i>Carbon</i> , <b>2006</b> , 44, 2469-2478	10.4	19
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