

Juan M D Tascon

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	A Simple and Expeditious Route to Phosphate-Functionalized, Water-Processable Graphene for Capacitive Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 54860-54873.	4.0	9
2	Aqueous Cathodic Exfoliation Strategy toward Solution-Processable and Phase-Preserved MoS ₂ Nanosheets for Energy Storage and Catalytic Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36991-37003.	4.0	43
3	High quality, low-oxidized graphene via anodic exfoliation with table salt as an efficient oxidation-preventing co-electrolyte for water/oil remediation and capacitive energy storage applications. <i>Applied Materials Today</i> , 2018, 11, 246-254.	2.3	28
4	A biosupramolecular approach to graphene: Complementary nucleotide-nucleobase combinations as enhanced stabilizers towards aqueous-phase exfoliation and functional graphene-nucleotide hydrogels. <i>Carbon</i> , 2018, 129, 321-334.	5.4	5
5	A simple strategy to improve the yield of graphene nanosheets in the anodic exfoliation of graphite foil. <i>Carbon</i> , 2017, 115, 625-628.	5.4	43
6	Electrochemical Exfoliation of Graphite in Aqueous Sodium Halide Electrolytes toward Low Oxygen Content Graphene for Energy and Environmental Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24085-24099.	4.0	92
7	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 & Interfaces</i> , 2017, 9, 2835-2845.	4.0	33
8	Efficient Pt electrocatalysts supported onto flavin mononucleotide-exfoliated pristine graphene for the methanol oxidation reaction. <i>Electrochimica Acta</i> , 2017, 231, 386-395.	2.6	21
9	A "Nanopore Lithography" Strategy for Synthesizing Hierarchically Micro/Mesoporous Carbons from ZIF-8/Graphene Oxide Hybrids for Electrochemical Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44740-44755.	4.0	46
10	Effect of nanostructure on the supercapacitor performance of activated carbon xerogels obtained from hydrothermally carbonized glucose-graphene oxide hybrids. <i>Carbon</i> , 2016, 105, 474-483.	5.4	66
11	Synthesis and properties of TiO ₂ -P ₂ O ₅ and SiO ₂ -TiO ₂ -P ₂ O ₅ porous hybrids obtained by templating in highly concentrated emulsions. <i>Ceramics International</i> , 2016, 42, 18965-18973.	2.3	4
12	Impact of Covalent Functionalization on the Aqueous Processability, Catalytic Activity, and Biocompatibility of Chemically Exfoliated MoS ₂ Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27974-27986.	4.0	73
13	The importance of electrode characterization to assess the supercapacitor performance of ordered mesoporous carbons. <i>Microporous and Mesoporous Materials</i> , 2016, 235, 1-8.	2.2	26
14	Nitrogen doped mesoporous carbon aerogels and implications for electrocatalytic oxygen reduction reactions. <i>Microporous and Mesoporous Materials</i> , 2016, 230, 135-144.	2.2	39
15	Diffusion of molecular hydrogen in carbon aerogel. <i>Carbon</i> , 2016, 98, 572-581.	5.4	11
16	Grafting of adipic anhydride to carbon nanotubes through a Diels-Alder cycloaddition/oxidation cascade reaction. <i>Carbon</i> , 2016, 98, 421-431.	5.4	14
17	Electrolytic exfoliation of graphite in water with multifunctional electrolytes: en route towards high quality, oxide-free graphene flakes. <i>Nanoscale</i> , 2016, 8, 2982-2998.	2.8	84
18	High quality, low oxygen content and biocompatible graphene nanosheets obtained by anodic exfoliation of different graphite types. <i>Carbon</i> , 2015, 94, 729-739.	5.4	83

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19	pH-responsive ordered mesoporous carbons for controlled ibuprofen release. <i>Carbon</i> , 2015, 94, 152-159.	5.4	25
20	Synthesis, characterization and dye removal capacities of N-doped mesoporous carbons. <i>Journal of Colloid and Interface Science</i> , 2015, 450, 91-100.	5.0	79
21	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 & Interfaces</i> , 2015, 7, 10293-10307.	4.0	101
22	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 & Interfaces</i> , 2015, 7, 24032-24045.	4.0	57
23	From graphene oxide to pristine graphene: revealing the inner workings of the full structural restoration. <i>Nanoscale</i> , 2015, 7, 2374-2390.	2.8	95
24	Activated carbon xerogels with a cellular morphology derived from hydrothermally carbonized glucose-graphene oxide hybrids and their performance towards CO ₂ and dye adsorption. <i>Carbon</i> , 2015, 81, 137-147.	5.4	68
25	Chemically Exfoliated MoS ₂ Nanosheets as an Efficient Catalyst for Reduction Reactions in the Aqueous Phase. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21702-21710.	4.0	126
26	Preparation of hierarchical micro-mesoporous aluminosilicate composites by simple Y zeolite/MCM-48 silica assembly. <i>Journal of Alloys and Compounds</i> , 2014, 583, 60-69.	2.8	32
27	Hierarchical micro-mesoporous carbons by direct replication of bimodal aluminosilicate templates. <i>Microporous and Mesoporous Materials</i> , 2014, 190, 156-164.	2.2	8
28	Aromatic polyamides as new precursors of nitrogen and oxygen-doped ordered mesoporous carbons. <i>Carbon</i> , 2014, 70, 119-129.	5.4	55
29	Production of aqueous dispersions of inorganic graphene analogues by exfoliation and stabilization with non-ionic surfactants. <i>RSC Advances</i> , 2014, 4, 14115-14127.	1.7	101
30	A quantitative analysis of the dispersion behavior of reduced graphene oxide in solvents. <i>Carbon</i> , 2014, 75, 390-400.	5.4	66
31	Influence of Porous Texture and Surface Chemistry on the CO ₂ Adsorption Capacity of Porous Carbons: Acidic and Basic Site Interactions. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21237-21247.	4.0	147
32	The solvent effect on the sidewall functionalization of multi-walled carbon nanotubes with maleic anhydride. <i>Carbon</i> , 2014, 78, 401-414.	5.4	4
33	Controlled generation of atomic vacancies in chemical vapor deposited graphene by microwave oxygen plasma. <i>Carbon</i> , 2014, 79, 664-669.	5.4	26
34	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> , 2014, 2, 7295-7305.	5.2	29
35	Evolution of the complex surface chemistry in mesoporous carbons obtained from polyamide precursors. <i>Applied Surface Science</i> , 2014, 299, 19-28.	3.1	19
36	Effects of the mesostructural order on the electrochemical performance of hierarchical micro-mesoporous carbons. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12023-12030.	5.2	22

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37	Capacitive Behaviours of Phosphorus-Rich Carbons Derived from Lignocelluloses. <i>Electrochimica Acta</i> , 2014, 137, 219-227.	2.6	85
38	Energy Storage on Ultrahigh Surface Area Activated Carbon Fibers Derived from PMIA. <i>ChemSusChem</i> , 2013, 6, 1406-1413.	3.6	19
39	Identifying efficient natural bioreductants for the preparation of graphene and graphene-metal nanoparticle hybrids with enhanced catalytic activity from graphite oxide. <i>Carbon</i> , 2013, 63, 30-44.	5.4	42
40	Surface modification of nanocast ordered mesoporous carbons through a wet oxidation method. <i>Carbon</i> , 2013, 62, 193-203.	5.4	51
41	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> , 2013, 3, 18323.	1.7	31
42	Discovery of effective solvents for platelet-type graphite nanofibers. <i>Carbon</i> , 2013, 53, 222-230.	5.4	9
43	Tailoring of the interfacial properties of polymeric single fibre-reinforced epoxy composites by non-oxidative plasma treatments. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 50, 102-109.	3.8	13
44	Chemical and structural modifications of carbon nanofibers with different degrees of graphitic order following oxygen plasma treatments. <i>Materials Chemistry and Physics</i> , 2013, 138, 615-622.	2.0	15
45	Towards full repair of defects in reduced graphene oxide films by two-step graphitization. <i>Nano Research</i> , 2013, 6, 216-233.	5.8	199
46	One-pot endo/exotemplating of hierarchical micro-mesoporous carbons. <i>Carbon</i> , 2013, 54, 365-377.	5.4	12
47	Preparation, characterization and fundamental studies on graphenes by liquid-phase processing of graphite. <i>Journal of Alloys and Compounds</i> , 2012, 536, S450-S455.	2.8	16
48	Activated Carbon Fibers with a High Heteroatom Content by Chemical Activation of PBO with Phosphoric Acid. <i>Langmuir</i> , 2012, 28, 5850-5860.	1.6	18
49	N-containing carbons from styrene-divinylbenzene copolymer by urea treatment. <i>Applied Surface Science</i> , 2012, 258, 2410-2415.	3.1	8
50	Chemical and microscopic analysis of graphene prepared by different reduction degrees of graphene oxide. <i>Journal of Alloys and Compounds</i> , 2012, 536, S532-S537.	2.8	74
51	Structural and surface modifications of carbon nanotubes when submitted to high temperature annealing treatments. <i>Journal of Alloys and Compounds</i> , 2012, 536, S460-S463.	2.8	21
52	Comparative XRD, Raman, and TEM Study on Graphitization of PBO-Derived Carbon Fibers. <i>Journal of Physical Chemistry C</i> , 2012, 116, 257-268.	1.5	183
53	Nanostructure evolution in heat-treated porous carbons derived from PBO polymer. <i>Journal of Alloys and Compounds</i> , 2012, 536, S464-S468.	2.8	7
54	Adsorption by Phosphorus-Containing Carbons. , 2012, , 245-267.		7

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55	Morphology and adsorption properties of chemically modified MWCNT probed by nitrogen, n-propane and water vapor. <i>Carbon</i> , 2012, 50, 577-585.	5.4	31
56	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> , 2012, 50, 1014-1024.	5.4	171
57	Investigating the influence of surfactants on the stabilization of aqueous reduced graphene oxide dispersions and the characteristics of their composite films. <i>Carbon</i> , 2012, 50, 3184-3194.	5.4	97
58	Graphitization of highly porous carbons derived from poly(p-phenylene benzobisoxazole). <i>Carbon</i> , 2012, 50, 2929-2940.	5.4	33
59	Avoiding structure degradation during activation of ordered mesoporous carbons. <i>Carbon</i> , 2012, 50, 3826-3835.	5.4	23
60	Effects of phosphoric acid as additive in the preparation of activated carbon fibers from poly(p-phenylene benzobisoxazole) by carbon dioxide activation. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012, 95, 68-74.	2.6	13
61	Synthesis of ordered micro-mesoporous carbons by activation of SBA-15 carbon replicas. <i>Microporous and Mesoporous Materials</i> , 2012, 151, 390-396.	2.2	44
62	Synthesis and characterization of graphene-mesoporous silica nanoparticle hybrids. <i>Microporous and Mesoporous Materials</i> , 2012, 160, 18-24.	2.2	25
63	Influence of plasma surface treatments on kink band formation in PBO fibers during compression. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2052-2063.	1.3	13
64	Global and Local Oxidation Behavior of Reduced Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7956-7966.	1.5	36
65	High-throughput production of pristine graphene in an aqueous dispersion assisted by non-ionic surfactants. <i>Carbon</i> , 2011, 49, 1653-1662.	5.4	461
66	Environmentally friendly approaches toward the mass production of processable graphene from graphite oxide. <i>Journal of Materials Chemistry</i> , 2011, 21, 298-306.	6.7	173
67	Surface modification of high-performance polymeric fibers by an oxygen plasma. A comparative study of poly(p-phenylene terephthalamide) and poly(p-phenylene benzobisoxazole). <i>Journal of Chromatography A</i> , 2011, 1218, 3781-3790.	1.8	8
68	Effect of Plasma Treatments of Bisphenol A Polycarbonate on the Characteristics of Carbon Materials Obtained by Further Pyrolysis. <i>Plasma Processes and Polymers</i> , 2011, 8, 942-950.	1.6	5
69	Complementary X-ray scattering and high resolution imaging of nanostructure development in thermally treated PBO fibers. <i>Carbon</i> , 2011, 49, 2960-2970.	5.4	20
70	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> , 2011, 71, 784-790.	3.8	53
71	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> , 2011, 355, 179-189.	5.0	110
72	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> , 2011, 361, 307-315.	5.0	58

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73	A comparison between physically and chemically driven etching in the oxidation of graphite surfaces. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 451-459.	5.0	37
74	A study of the surface morphology of poly(p-phenylene terephthalamide) chars using scanning probe microscopy. <i>Polymer Degradation and Stability</i> , 2010, 95, 702-707.	2.7	6
75	Determining the thickness of chemically modified graphenes by scanning probe microscopy. <i>Carbon</i> , 2010, 48, 2657-2660.	5.4	46
76	The key role of microtexture in the graphitisation of PBO fibre chars as seen by X-ray scattering and transmission electron microscopy. <i>Carbon</i> , 2010, 48, 3968-3970.	5.4	5
77	Vitamin C Is an Ideal Substitute for Hydrazine in the Reduction of Graphene Oxide Suspensions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6426-6432.	1.5	1,230
78	Effect of PPTA pre-impregnation with phosphoric acid on the porous texture of carbons prepared by CO ₂ activation of PPTA chars. <i>Microporous and Mesoporous Materials</i> , 2009, 119, 284-289.	2.2	10
79	Porosity development in chars from thermal degradation of poly(p-phenylene benzobisoxazole). <i>Polymer Degradation and Stability</i> , 2009, 94, 7-12.	2.7	10
80	Porosity development in chars from thermal decomposition of poly(p-phenylene terephthalamide). <i>Polymer Degradation and Stability</i> , 2009, 94, 1890-1894.	2.7	1
81	A possible buckybowllike structure of zeolite templated carbon. <i>Carbon</i> , 2009, 47, 1220-1230.	5.4	243
82	Atomic Vacancy Engineering of Graphitic Surfaces: Controlling the Generation and Harnessing the Migration of the Single Vacancy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10249-10255.	1.5	34
83	A Combined Experimental and Theoretical Investigation of Atomic-Scale Defects Produced on Graphite Surfaces by Dielectric Barrier Discharge Plasma Treatment. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18719-18729.	1.5	12
84	Highly Stable Performance of Supercapacitors from Phosphorus-Enriched Carbons. <i>Journal of the American Chemical Society</i> , 2009, 131, 5026-5027.	6.6	564
85	Preparation of graphene dispersions and graphene-polymer composites in organic media. <i>Journal of Materials Chemistry</i> , 2009, 19, 3591.	6.7	293
86	Atomic Force and Scanning Tunneling Microscopy Imaging of Graphene Nanosheets Derived from Graphite Oxide. <i>Langmuir</i> , 2009, 25, 5957-5968.	1.6	631
87	Tuning of texture and surface chemistry of carbon xerogels. <i>Journal of Colloid and Interface Science</i> , 2008, 324, 150-155.	5.0	81
88	Microporosity and mesoporosity of PPTA-derived carbons. Effect of PPTA thermal pretreatment. <i>Microporous and Mesoporous Materials</i> , 2008, 114, 185-192.	2.2	16
89	Porous texture evolution in activated carbon fibers prepared from poly (p-phenylene benzobisoxazole) by carbon dioxide activation. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 622-626.	2.2	18
90	Modification of the pyrolysis/carbonization of PPTA polymer by intermediate isothermal treatments. <i>Carbon</i> , 2008, 46, 985-993.	5.4	34

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91	Activated carbon fibers from poly(p-phenylene benzobisoxazole). Carbon, 2008, 46, 825-828.	5.4	8
92	New atomic-scale features in graphite surfaces treated in a dielectric barrier discharge plasma. Carbon, 2008, 46, 1364-1367.	5.4	6
93	Graphene Oxide Dispersions in Organic Solvents. Langmuir, 2008, 24, 10560-10564.	1.6	2,511
94	Overview of Carbon Materials in Relation to Adsorption. , 2008, , 15-49.		6
95	Energetics of Gas Adsorption by Carbons. , 2008, , 53-76.		4
96	Impact of the Carbonization Atmosphere on the Properties of Phosphoric Acid-Activated Carbons from Fruit Stones. Adsorption Science and Technology, 2008, 26, 843-851.	1.5	4
97	Multiscale Imaging and Tip-Scratch Studies Reveal Insight into the Plasma Oxidation of Graphite. Langmuir, 2007, 23, 8932-8943.	1.6	53
98	Oxygen and phosphorus enriched carbons from lignocellulosic material. Carbon, 2007, 45, 1941-1950.	5.4	115
99	A comparison of different carbon filaments on the nanometer and atomic scales by scanning tunneling microscopy. Materials Letters, 2007, 61, 4787-4790.	1.3	2
100	Real-Time Monitoring of Polymer Swelling on the Nanometer Scale by Atomic Force Microscopy. Langmuir, 2006, 22, 4728-4733.	1.6	16
101	A Microscopic View of Physical and Chemical Activation in the Synthesis of Porous Carbons. Langmuir, 2006, 22, 9730-9739.	1.6	10
102	Nitrogen in aramid-based activated carbon fibers by TPD, XPS and XANES. Carbon, 2006, 44, 2452-2462.	5.4	83
103	Imaging the structure and porosity of active carbons by scanning tunneling microscopy. Carbon, 2006, 44, 2469-2478.	5.4	20
104	New structural insights into ordered porous carbon by scanning tunneling microscopy. Microporous and Mesoporous Materials, 2006, 87, 268-271.	2.2	0
105	Nomex-derived activated carbon fibers as electrode materials in carbon based supercapacitors. Journal of Power Sources, 2006, 153, 419-423.	4.0	98
106	Surface characterisation of plasma-modified poly(ethylene terephthalate). Journal of Colloid and Interface Science, 2006, 293, 353-363.	5.0	49
107	Synthetic Carbons Derived from a Styrene- <i>l</i> -Divinylbenzene Copolymer Using Phosphoric Acid Activation. Adsorption Science and Technology, 2005, 23, 19-26.	1.5	2
108	Carbon molecular sieve cloths prepared by chemical vapour deposition of methane for separation of gas mixtures. Microporous and Mesoporous Materials, 2005, 77, 109-118.	2.2	43

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109	Effects of oxygen and carbon dioxide plasmas on the surface of poly(ethylene terephthalate). Journal of Colloid and Interface Science, 2005, 287, 57-66.	5.0	42
110	Nanoscale investigation of the structural and chemical changes induced by oxidation on carbon black surfaces: A scanning probe microscopy approach. Journal of Colloid and Interface Science, 2005, 288, 190-199.	5.0	25
111	A study of the effect of plasma treatment on the interfacial properties of carbon fibre-thermoplastic composites. Carbon, 2005, 43, 1795-1799.	5.4	123
112	Surface chemistry of phosphorus-containing carbons of lignocellulosic origin. Carbon, 2005, 43, 2857-2868.	5.4	316
113	Structural Investigation of Zeolite-templated, Ordered Microporous Carbon by Scanning Tunneling Microscopy and Raman Spectroscopy. Langmuir, 2005, 21, 8817-8823.	1.6	32
114	Graphitization of carbon nanofibers: visualizing the structural evolution on the nanometer and atomic scales by scanning tunneling microscopy. Applied Physics A: Materials Science and Processing, 2005, 80, 675-682.	1.1	33
115	Thermogravimetric studies on the activation of nanometric carbon fibers. Journal of Thermal Analysis and Calorimetry, 2005, 79, 525-528.	2.0	5
116	Nanoporous carbon fibres by pyrolysis of nomex polyaramid fibres. Journal of Thermal Analysis and Calorimetry, 2005, 79, 529-532.	2.0	26
117	Activated Carbon Materials of Uniform Porosity from Polyaramid Fibers. Chemistry of Materials, 2005, 17, 5893-5908.	3.2	82
118	Mechanical properties of high-strength carbon fibres. Validation of an end-effect model for describing experimental data. Carbon, 2004, 42, 1275-1278.	5.4	31
119	Nomex polyaramid as a precursor for activated carbon fibres by phosphoric acid activation. Temperature and time effects. Microporous and Mesoporous Materials, 2004, 75, 73-80.	2.2	34
120	The effect of demineralisation on a lignite surface properties. Fuel, 2004, 83, 845-850.	3.4	17
121	The use of microcalorimetry to assess the size exclusion properties of carbon molecular sieves. Thermochimica Acta, 2004, 420, 141-144.	1.2	13
122	Thermal decomposition of poly(p-phenylene benzobisoxazole) fibres: monitoring the chemical and nanostructural changes by Raman spectroscopy and scanning probe microscopy. Polymer Degradation and Stability, 2004, 86, 263-268.	2.7	20
123	Activated carbon fibers from Nomex by chemical activation with phosphoric acid. Carbon, 2004, 42, 1419-1426.	5.4	140
124	Ethylene physisorption on C60 fullerene. Carbon, 2004, 42, 1333-1337.	5.4	7
125	Effect of Phosphoric Acid on Chemical Transformations during Nomex Pyrolysis. Chemistry of Materials, 2004, 16, 2639-2647.	3.2	34
126	Oxygen plasma modification of pitch-based isotropic carbon fibres. Carbon, 2003, 41, 41-56.	5.4	181

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127	Synthetic carbons activated with phosphoric acid III. Carbons prepared in air. Carbon, 2003, 41, 1181-1191.	5.4	141
128	Atomic-scale scanning tunneling microscopy study of plasma-oxidized ultrahigh-modulus carbon fiber surfaces. Journal of Colloid and Interface Science, 2003, 258, 276-282.	5.0	25
129	Application of scanning tunneling and atomic force microscopies to the characterization of microporous and mesoporous materials. Microporous and Mesoporous Materials, 2003, 65, 93-126.	2.2	68
130	Activated carbons by pyrolysis of coffee bean husks in presence of phosphoric acid. Journal of Analytical and Applied Pyrolysis, 2003, 70, 779-784.	2.6	155
131	Following changes in the porous texture of Nomex-derived activated carbon fibres with the molecular probe technique. Microporous and Mesoporous Materials, 2003, 64, 11-19.	2.2	11
132	Atomic vacancy-induced friction on the graphite surface: observation by lateral force microscopy. Journal of Microscopy, 2003, 210, 119-124.	0.8	1
133	Surface Characterization of PBO Fibers. Macromolecules, 2003, 36, 8662-8672.	2.2	26
134	N ₂ Physisorption on Carbon Nanotubes: A Computer Simulation and Experimental Results. Journal of Physical Chemistry B, 2003, 107, 8905-8916.	1.2	41
135	Studies on the Thermal Degradation of Poly (p-phenylene benzobisoxazole). Chemistry of Materials, 2003, 15, 4052-4059.	3.2	63
136	Detecting Surface Oxygen Groups on Carbon Nanofibers by Phase Contrast Imaging in Tapping Mode AFM. Langmuir, 2003, 19, 7665-7668.	1.6	11
137	Methods for Characterization of Inorganic and Mineral Matter in Coal: A Critical Overview. Energy & Fuels, 2003, 17, 271-281.	2.5	130
138	A scanning tunnelling microscopy insight into the preparation of carbon molecular sieves by chemical vapour deposition. Journal of Materials Chemistry, 2003, 13, 1513-1516.	6.7	11
139	Fibrous Carbon Molecular Sieves by Chemical Vapor Deposition of Benzene. Gas Separation Ability. Chemistry of Materials, 2002, 14, 4328-4333.	3.2	29
140	Nitrogen Physisorption on Defective C ₆₀ . Journal of Physical Chemistry B, 2002, 106, 9522-9527.	1.2	10
141	Surface Characterization of PPTA Fibers Using Inverse Gas Chromatography. Macromolecules, 2002, 35, 5085-5096.	2.2	36
142	Early Stages of Plasma Oxidation of Graphite: Nanoscale Physicochemical Changes As Detected by Scanning Probe Microscopies. Langmuir, 2002, 18, 4314-4323.	1.6	29
143	Effect of sizing on the surface properties of carbon fibres. Journal of Materials Chemistry, 2002, 12, 3843-3850.	6.7	12
144	High resolution imaging of functional group distributions on carbon surfaces by tapping mode atomic force microscopy. Chemical Communications, 2002, , 1790-1791.	2.2	4

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145	Preparation and porous texture characteristics of fibrous ultrahigh surface area carbons. Journal of Materials Chemistry, 2002, 12, 3213-3219.	6.7	27
146	Adsorption of n-Alkanes on Plasma-Oxidized High-Strength Carbon Fibers. Journal of Colloid and Interface Science, 2002, 247, 290-302.	5.0	16
147	Porous Texture Evolution in Nomex-Derived Activated Carbon Fibers. Journal of Colloid and Interface Science, 2002, 252, 169-176.	5.0	39
148	Carbon Molecular Sieves for Air Separation from Nomex Aramid Fibers. Journal of Colloid and Interface Science, 2002, 254, 414-416.	5.0	16
149	Characterization of synthetic carbons activated with phosphoric acid. Applied Surface Science, 2002, 200, 196-202.	3.1	40
150	Pyrolysis of apple pulp: effect of operation conditions and chemical additives. Journal of Analytical and Applied Pyrolysis, 2002, 62, 93-109.	2.6	69
151	Pyrolysis of apple pulp: chemical activation with phosphoric acid. Journal of Analytical and Applied Pyrolysis, 2002, 63, 283-301.	2.6	117
152	Composition of gases released during olive stones pyrolysis. Journal of Analytical and Applied Pyrolysis, 2002, 65, 313-322.	2.6	122
153	Adsorption of polar probe molecules on plasma-oxidised high-strength carbon fibres. Fuel Processing Technology, 2002, 77-78, 359-364.	3.7	16
154	Beneficial effects of phosphoric acid as an additive in the preparation of activated carbon fibers from Nomex aramid fibers by physical activation. Fuel Processing Technology, 2002, 77-78, 237-244.	3.7	15
155	Characterization of porous texture in composite adsorbents based on exfoliated graphite and polyfurfuryl alcohol. Fuel Processing Technology, 2002, 77-78, 401-407.	3.7	13
156	Nanometer structure of carbon fibers studied by different scanning probe microscopy techniques: a comparative investigation. Fuel Processing Technology, 2002, 77-78, 293-300.	3.7	3
157	A comparative study of the thermal decomposition of apple pulp in the absence and presence of phosphoric acid. Polymer Degradation and Stability, 2002, 75, 375-383.	2.7	50
158	Inorganic matter characterization in vegetable biomass feedstocks ¹ . Fuel, 2002, 81, 1161-1169.	3.4	67
159	Retention of mercury in activated carbons in coal combustion and gasification flue gases. Fuel Processing Technology, 2002, 77-78, 353-358.	3.7	60
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