

# Zheng-Hong Huang

## 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.

148  
papers

7,097  
citations

41  
h-index

81  
g-index

149  
ext. papers

8,095  
ext. citations

7.6  
avg, IF

6.22  
L-index

#	Paper	IF	Citations
148	The molecular simulation and experimental investigation of toluene and naphthalene adsorption on ordered porous silica. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134844	14.7	0
147	Self-supporting nitrogen-doped reduced graphene oxide@carbon nanofiber hybrid membranes as high-performance integrated air cathodes in microbial fuel cells. <i>Carbon</i> , <b>2022</b> , 193, 242-257	10.4	1
146	Electrochemical Synthesis of Graphene Oxide from Graphite Flakes Exfoliated at Room Temperature. <i>Applied Surface Science</i> , <b>2022</b> , 153788	6.7	0
145	Exfoliated graphite blocks with resilience prepared by room temperature exfoliation and their application for oil-water separation. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 127724	12.8	2
144	Organic semiconductor nanostructures: Optoelectronic properties, Modification strategy, and Photocatalytic Applications. <i>Journal of Materials Science and Technology</i> , <b>2021</b> ,	9.1	1
143	Combining Multiple Methods for Recycling of Kish Graphite from Steelmaking Slags and Oil Sorption Performance of Kish-Based Expanded Graphite. <i>ACS Omega</i> , <b>2021</b> , 6, 9868-9875	3.9	0
142	Oxidation State Modulation of Bismuth for Efficient Electrocatalytic Nitrogen Reduction to Ammonia. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100300	15.6	29
141	Microstructure and thermal expansion behavior of natural microcrystalline graphite. <i>Carbon</i> , <b>2021</b> , 177, 90-96	10.4	6
140	A 3D lithium metal anode reinforced by scalable in-situ copper oxide nanostick copper mesh. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 865, 158908	5.7	4
139	One-step green fabrication of hierarchically porous hollow carbon nanospheres (HCNSs) from raw biomass: Formation mechanisms and supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 581, 238-250	9.3	25
138	Environment-friendly preparation of exfoliated graphite and functional graphite sheets. <i>Journal of Materiomics</i> , <b>2021</b> , 7, 136-145	6.7	7
137	Thermal and gas purification of natural graphite for nuclear applications. <i>Carbon</i> , <b>2021</b> , 173, 769-781	10.4	6
136	Ultrasensitive molecular sensing of few-layer niobium diselenide. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 2725-2733	13	4
135	Porous and ultrafine nitrogen-doped carbon nanofibers from bacterial cellulose with superior adsorption capacity for adsorption removal of low-concentration 4-chlorophenol. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 127411	14.7	17
134	Pseudocapacitive porous hard carbon anode with controllable pyridinic nitrogen and thiophene sulfur co-doping for high-power dual-carbon sodium ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 20483-20492	13	2
133	A Highly Sensitive Electrochemical Glucose Sensor Based on Room Temperature Exfoliated Graphite-Derived Film Decorated with Dendritic Copper. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
132	Hierarchically porous carbons with diverse microstructures derived from crude oil via One-for-All strategy. <i>Carbon</i> , <b>2021</b> , 184, 340-345	10.4	1

131	Nitrogen-doped hollow graphite granule as anode materials for high-performance lithium-ion batteries. <i>Journal of Solid State Chemistry</i> , <b>2021</b> , 303, 122500	3.3	2
130	Facile synthesis of FeVO@C materials as high-performance composite cathode for lithium-ion hybrid capacitor. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 835, 155398	5.7	5
129	Blow-spun N-doped carbon fiber based high performance flexible lithium ion capacitors.. <i>RSC Advances</i> , <b>2020</b> , 10, 9833-9839	3.7	
128	Ultrasensitive Non-Enzymatic Glucose Sensors Based on Hybrid Reduced Graphene Oxide and Carbonized Silk Fabric Electrodes Decorated with Cu Nanoflowers. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 127501	3.9	4
127	NaVO/Activated Carbon Hybrid Cathode for High-Performance Lithium-Ion Capacitors. <i>Materials</i> , <b>2020</b> , 14,	3.5	4
126	Advanced Materials for Sodium-Ion Capacitors with Superior Energy-Power Properties: Progress and Perspectives. <i>Small</i> , <b>2020</b> , 16, e1902843	11	21
125	A facile route to high nitrogen-containing porous carbon fiber sheets from biomass-flax for high-performance flexible supercapacitors. <i>Applied Surface Science</i> , <b>2020</b> , 507, 145108	6.7	27
124	Scalable synthesis of lotus-seed-pod-like Si/SiOx@CNF: Applications in freestanding electrode and flexible full lithium-ion batteries. <i>Carbon</i> , <b>2020</b> , 158, 163-171	10.4	14
123	Asymmetric Supercapacitors Based on Hierarchically Nanoporous Carbon and ZnCoO From a Single Biometallic Metal-Organic Frameworks (Zn/Co-MOF). <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 719	5	18
122	An Ice-melting kinetic control strategy for highly photocatalytic organic nanocrystals. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 25275-25282	13	2
121	3D porous Li3VO4@C composite anodes with ultra-high rate capacity for lithium-ion capacitors. <i>Electrochimica Acta</i> , <b>2020</b> , 355, 136819	6.7	10
120	Preparation and performance of electrochemical glucose sensors based on copper nanoparticles loaded on flexible graphite sheet. <i>New Carbon Materials</i> , <b>2020</b> , 35, 410-419	4.4	5
119	Dual-ion hybrid supercapacitor: Integration of Li-ion hybrid supercapacitor and dual-ion battery realized by porous graphitic carbon. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 42, 180-184	12	29
118	Beneficiation of ultra-large flake graphite and the preparation of flexible graphite sheets from it. <i>New Carbon Materials</i> , <b>2019</b> , 34, 205-210	4.4	6
117	A novel and facile prepared wound dressing based on large expanded graphite worms. <i>Journal of Materials Research</i> , <b>2019</b> , 34, 490-499	2.5	1
116	Steam Selective Etching: A Strategy to Effectively Enhance the Flexibility and Suppress the Volume Change of Carbonized Paper-Supported Electrodes. <i>ACS Nano</i> , <b>2019</b> , 13, 5731-5741	16.7	11
115	Sulfur-Doped Reduced Graphene Oxide for Enhanced Sodium Ion Pseudocapacitance. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	9
114	Building Carbon-Based Versatile Scaffolds on the Electrode Surface to Boost Capacitive Performance for Fiber Pseudocapacitors. <i>Small</i> , <b>2019</b> , 15, e1900721	11	21

113	Activated carbon fibers with manganese dioxide coating for flexible fiber supercapacitors with high capacitive performance. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 31, 95-100	12	30
112	Wasp nest-imitated assembly of elastic rGO/p-Ti3C2Tx MXene-cellulose nanofibers for high-performance sodium-ion batteries. <i>Carbon</i> , <b>2019</b> , 153, 625-633	10.4	22
111	From upcycled waste polyethylene plastic to graphene/mesoporous carbon for high-voltage supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 557, 55-64	9.3	18
110	MoS <sub>2</sub> /carbon composites prepared by ball-milling and pyrolysis for the high-rate and stable anode of lithium ion capacitors.. <i>RSC Advances</i> , <b>2019</b> , 9, 42316-42323	3.7	8
109	Facile synthesis of bimodal macroporous g-C <sub>3</sub> N <sub>4</sub> /SnO <sub>2</sub> nano hybrids with enhanced photocatalytic activity. <i>Science Bulletin</i> , <b>2019</b> , 64, 44-53	10.6	19
108	Porous nitrogen and oxygen co-doped carbon microtubes derived from plane tree fruit fluff for high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 1468-1479	2.1	12
107	Nitrogen/Oxygen Dual-Doped Carbon Nanofibers as an Electrocatalytic Interlayer for a High Sulfur Content Lithium Sulfur Battery. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 777-787	6.1	18
106	GO/auricularia-derived hierarchical porous carbon used for capacitive deionization with high performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 547, 134-140	5.1	17
105	Facile fabrication of three-dimensional interconnected nanoporous N-TiO <sub>2</sub> for efficient photoelectrochemical water splitting. <i>Journal of Materials Science and Technology</i> , <b>2018</b> , 34, 955-960	9.1	37
104	An efficient flexible electrochemical glucose sensor based on carbon nanotubes/carbonized silk fabrics decorated with Pt microspheres. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 256, 63-70	8.5	73
103	Synergistic Doping for Pseudocapacitance Sites in Alkaline Carbon Supercapacitors. <i>ChemElectroChem</i> , <b>2018</b> , 5, 84-92	4.3	12
102	High Areal Capacity Li-Ion Storage of Binder-Free Metal Vanadate/Carbon Hybrid Anode by Ion-Exchange Reaction. <i>Small</i> , <b>2018</b> , 14, e1801832	11	18
101	Flexible C-MoC fiber film with self-fused junctions as a long cyclability anode material for sodium-ion battery.. <i>RSC Advances</i> , <b>2018</b> , 8, 16657-16662	3.7	8
100	High-performance sodium-ion hybrid capacitors based on an interlayer-expanded MoS <sub>2</sub> /rGO composite: surpassing the performance of lithium-ion capacitors in a uniform system. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 775-787	10.3	54
99	High performance lithium-ion capacitors based on scalable surface carved multi-hierarchical construction electrospun carbon fibers. <i>Carbon</i> , <b>2018</b> , 138, 325-336	10.4	34
98	Ultrahigh rate sodium ion storage with nitrogen-doped expanded graphite oxide in ether-based electrolyte. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 1582-1589	13	48
97	Hierarchical Micro-/Mesoporous Carbon Derived from Rice Husk by Hydrothermal Pre-Treatment for High Performance Supercapacitor. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, A3334-A3341	3.9	25
96	Synthesis and photocatalytic activity of mesoporous g-CN/MoS hybrid catalysts. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 180187	3.3	22

95	Inorganic Nanotube/Organic Nanoparticle Hybrids for Enhanced Photoelectrochemical Properties. <i>Journal of Materials Science and Technology</i> , <b>2017</b> , 33, 728-733	9.1	15
94	A high-power lithium-ion hybrid electrochemical capacitor based on citrate-derived electrodes. <i>Electrochimica Acta</i> , <b>2017</b> , 228, 76-81	6.7	39
93	Hierarchical design of nitrogen-doped porous carbon nanorods for use in high efficiency capacitive energy storage. <i>RSC Advances</i> , <b>2017</b> , 7, 22447-22453	3.7	15
92	Three-dimensional reduced graphene oxide powder for efficient microwave absorption in the S-band (2-8 GHz). <i>RSC Advances</i> , <b>2017</b> , 7, 25773-25779	3.7	69
91	Reduced-sized monolayer carbon nitride nanosheets for highly improved photoresponse for cell imaging and photocatalysis. <i>Science China Materials</i> , <b>2017</b> , 60, 109-118	7.1	46
90	A Composite Polymeric Carbon Nitride with In Situ Formed Isotype Heterojunctions for Highly Improved Photocatalysis under Visible Light. <i>Small</i> , <b>2017</b> , 13, 1603182	11	41
89	High areal specific capacity of Ni <sub>3</sub> V <sub>2</sub> O <sub>8</sub> /carbon cloth hierarchical structures as flexible anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15517-15524	13	33
88	Carbon electrodes for capacitive deionization. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 470-496	13	204
87	Noble-Metal-Free Hybrid Membranes for Highly Efficient Hydrogen Evolution. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603617	24	62
86	Effects of Electrospun Carbon Nanofibers' Interlayers on High-Performance Lithium-Sulfur Batteries. <i>Materials</i> , <b>2017</b> , 10,	3.5	27
85	A High Performance Lithium-Ion Capacitor with Both Electrodes Prepared from Sri Lanka Graphite Ore. <i>Materials</i> , <b>2017</b> , 10,	3.5	13
84	Silver Nanoparticles-Loaded Exfoliated Graphite and Its Anti-Bacterial Performance. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 852	2.6	8
83	Preparation of porous carbon nanofibers with controllable pore structures for low-concentration NO removal at room temperature. <i>New Carbon Materials</i> , <b>2016</b> , 31, 277-286	4.4	19
82	In-situ growth of MnO crystals under nanopore-constraint in carbon nanofibers and their electrochemical performance. <i>Scientific Reports</i> , <b>2016</b> , 6, 37368	4.9	27
81	Flour food waste derived activated carbon for high-performance supercapacitors. <i>RSC Advances</i> , <b>2016</b> , 6, 89391-89396	3.7	28
80	Wettability of natural microcrystalline graphite filler with pitch in isotropic graphite preparation. <i>Fuel</i> , <b>2016</b> , 180, 743-748	7.1	8
79	Facile fabrication of organic/inorganic nanotube heterojunction arrays for enhanced photoelectrochemical water splitting. <i>Nanoscale</i> , <b>2016</b> , 8, 13228-35	7.7	16
78	Flexible electrodes and supercapacitors for wearable energy storage: a review by category. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4659-4685	13	412

77	Modifying porous carbon nanofibers with MnOxTeO2Al2O3 mixed oxides for NO catalytic oxidation at room temperature. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 422-425	5.5	17
76	Porphyrin-Based Nanostructures for Photocatalytic Applications. <i>Nanomaterials</i> , <b>2016</b> , 6,	5.4	109
75	Polyimide-based porous hollow carbon nanofibers for supercapacitor electrode. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	46
74	Nitrogen-rich hierarchical porous hollow carbon nanofibers for high-performance supercapacitor electrodes. <i>RSC Advances</i> , <b>2016</b> , 6, 41473-41476	3.7	22
73	Polymer-coated graphene films as anti-reflective transparent electrodes for Schottky junction solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 13795-13802	13	34
72	Preparation of microporous carbon nanofibers from polyimide by using polyvinyl pyrrolidone as template and their capacitive performance. <i>Journal of Power Sources</i> , <b>2015</b> , 278, 683-692	8.9	80
71	Preparation of graphene/carbon hybrid nanofibers and their performance for NO oxidation. <i>Carbon</i> , <b>2015</b> , 87, 282-291	10.4	24
70	Homogenous and highly isotropic graphite produced from mesocarbon microbeads. <i>Carbon</i> , <b>2015</b> , 94, 18-26	10.4	21
69	Graphitic carbon nitride nanosheet-assisted preparation of N-enriched mesoporous carbon nanofibers with improved capacitive performance. <i>Carbon</i> , <b>2015</b> , 94, 342-348	10.4	58
68	A supercapacitor constructed with a partially graphitized porous carbon and its performance over a wide working temperature range. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18860-18866	13	31
67	Facile Synthesis of Crystalline Polymeric Carbon Nitrides with an Enhanced Photocatalytic Performance under Visible Light. <i>ChemCatChem</i> , <b>2015</b> , 7, 2897-2902	5.2	34
66	Ultrahigh-rate and high-density lithium-ion capacitors through hybridizing nitrogen-enriched hierarchical porous carbon cathode with prelithiated microcrystalline graphite anode. <i>Nano Energy</i> , <b>2015</b> , 15, 43-53	17.1	125
65	Facile synthesis of nitrogen-doped carbon nanosheets with hierarchical porosity for high performance supercapacitors and lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18400-18405	13	86
64	Synthesis of activated carbon nanospheres with hierarchical porous structure for high volumetric performance supercapacitors. <i>Electrochimica Acta</i> , <b>2015</b> , 182, 908-916	6.7	69
63	Nitrogen-enriched hierarchical porous carbon with enhanced performance in supercapacitors and lithium-sulfur batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 75403-75410	3.7	7
62	Graphene/carbon composite nanofibers for NO oxidation at room temperature. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 827-829	5.5	9
61	Hydrogen Evolution: Holey Graphitic Carbon Nitride Nanosheets with Carbon Vacancies for Highly Improved Photocatalytic Hydrogen Production (Adv. Funct. Mater. 44/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6952-6952	15.6	2
60	Macroscopic 3D Porous Graphitic Carbon Nitride Monolith for Enhanced Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , <b>2015</b> , 27, 4634-9	24	457

59	Holey Graphitic Carbon Nitride Nanosheets with Carbon Vacancies for Highly Improved Photocatalytic Hydrogen Production. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6885-6892	15.6	659
58	Monolithic organic/inorganic ternary nano hybrids toward electron transfer cascade for enhanced visible-light photocatalysis. <i>RSC Advances</i> , <b>2015</b> , 5, 23174-23180	3.7	6
57	NH <sub>3</sub> -activated carbon nanofibers for low-concentration NO removal at room temperature. <i>Catalysis Communications</i> , <b>2015</b> , 62, 83-88	3.2	25
56	A high performance Li-ion capacitor constructed with Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /C hybrid and porous graphene macroform. <i>Journal of Power Sources</i> , <b>2015</b> , 282, 174-178	8.9	125
55	Graphene oxide-embedded porous carbon nanofiber webs by electrospinning for capacitive deionization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 444, 153-158	5.1	59
54	Integrating porphyrin nanoparticles into a 2D graphene matrix for free-standing nano hybrid films with enhanced visible-light photocatalytic activity. <i>Nanoscale</i> , <b>2014</b> , 6, 978-85	7.7	80
53	Nitrogen-enriched electrospun porous carbon nanofiber networks as high-performance free-standing electrode materials. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 19678-19684	13	143
52	Activated carbon fibers loaded with MnO <sub>2</sub> for removing NO at room temperature. <i>Chemical Engineering Journal</i> , <b>2014</b> , 256, 101-106	14.7	60
51	Electrospun preparation of microporous carbon ultrafine fibers with tuned diameter, pore structure and hydrophobicity from phenolic resin. <i>Carbon</i> , <b>2014</b> , 66, 705-712	10.4	43
50	Carbon Nanomaterials and Related Nanostructures: Synthesis, Characterization, and Application. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-1	3.2	1
49	Asymmetric Electrodes Constructed with PAN-Based Activated Carbon Fiber in Capacitive Deionization. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-6	3.2	8
48	Silicon-Encapsulated Hollow Carbon Nanofiber Networks as Binder-Free Anodes for Lithium Ion Battery. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-10	3.2	11
47	Electrospun carbon nanofiber networks from phenolic resin for capacitive deionization. <i>Chemical Engineering Journal</i> , <b>2014</b> , 252, 30-37	14.7	65
46	Interface enhancement of carbon nanotube/mesocarbon microbead isotropic composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2014</b> , 56, 44-50	8.4	8
45	Surface oxidation of activated electrospun carbon nanofibers and their adsorption performance for benzene, butanone and ethanol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 443, 66-71	5.1	21
44	Electrospun magnetic carbon composite fibers: Synthesis and electromagnetic wave absorption characteristics. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 4288-4295	2.9	26
43	Synthesis of porous graphitic carbon from mesocarbon microbeads by one-step route. <i>Journal of Porous Materials</i> , <b>2013</b> , 20, 1323-1328	2.4	1
42	Synthesis of reduced graphene oxide/phenolic resin-based carbon composite ultrafine fibers and their adsorption performance for volatile organic compounds and water. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9536	13	41

41	Improvement of the hydrophilicity of electrospun porous carbon nanofibers by grafting phenylsulfonic acid groups. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 394, 177-82	9.3	14
40	Ordered mesoporous carbon nanospheres as electrode materials for high-performance supercapacitors. <i>Electrochemistry Communications</i> , <b>2013</b> , 36, 66-70	5.1	74
39	Porous mesocarbon microbeads with graphitic shells: constructing a high-rate, high-capacity cathode for hybrid supercapacitor. <i>Scientific Reports</i> , <b>2013</b> , 3, 2477	4.9	64
38	Towards ultrahigh volumetric capacitance: graphene derived highly dense but porous carbons for supercapacitors. <i>Scientific Reports</i> , <b>2013</b> , 3, 2975	4.9	467
37	Catalytically oxidation of NO into NO <sub>2</sub> at room temperature by graphitized porous nanofibers. <i>Catalysis Today</i> , <b>2013</b> , 201, 109-114	5.3	31
36	Adsorption of benzene and ethanol on activated carbon nanofibers prepared by electrospinning. <i>Adsorption</i> , <b>2013</b> , 19, 1035-1043	2.6	18
35	Preparation of flexible phenolic resin-based porous carbon fabrics by electrospinning. <i>Chemical Engineering Journal</i> , <b>2013</b> , 218, 232-237	14.7	24
34	Large-Area Flexible Core/Shell Graphene/Porous Carbon Woven Fabric Films for Fiber Supercapacitor Electrodes. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, n/a-n/a	15.6	29
33	Hydrothermal Synthesis of Graphene/Bi <sub>2</sub> WO <sub>6</sub> Composite with High Adsorptivity and Photoactivity for Azo Dyes. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 1562-1569	3.8	40
32	Enhanced efficiency of graphene/silicon heterojunction solar cells by molecular doping. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5736	13	145
31	Hybrid graphene/amorphous carbon films with tadpole-like structures for high-performance photovoltaic applications. <i>RSC Advances</i> , <b>2013</b> , 3, 22295	3.7	13
30	Porous Carbon Nanofibers: Preparation and Potential Applications. <i>Current Organic Chemistry</i> , <b>2013</b> , 17, 1434-1447	1.7	13
29	Rational synthesis of MnO <sub>2</sub> /conducting polypyrrole@carbon nanofiber triaxial nano-cables for high-performance supercapacitors. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 16943		177
28	Relation between the charge efficiency of activated carbon fiber and its desalination performance. <i>Langmuir</i> , <b>2012</b> , 28, 5079-84	4	85
27	Porous carbon for electrochemical capacitors prepared from a resorcinol/formaldehyde-based organic aquagel with nano-sized particles. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 7158		48
26	Glucose-promoted Zn-based metal-organic framework/graphene oxide composites for hydrogen sulfide removal. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4942-7	9.5	116
25	Hydrothermal Synthesis of Iodine-Doped Nanoplates with Enhanced Visible and Ultraviolet-Induced Photocatalytic Activities. <i>International Journal of Photoenergy</i> , <b>2012</b> , 2012, 1-12	2.1	7
24	Adsorption of lead(II) ions from aqueous solution on low-temperature exfoliated graphene nanosheets. <i>Langmuir</i> , <b>2011</b> , 27, 7558-62	4	360



23	Carbon-coated TiO <sub>2</sub> composites for the photocatalytic degradation of low concentration benzene. <i>New Carbon Materials</i> , <b>2011</b> , 26, 63-70	4.4	32
22	Capacitive deionization of NaCl solutions using carbon nanotube sponge electrodes. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18295		192
21	Porous carbon nanofibers with narrow pore size distribution from electrospun phenolic resins. <i>Materials Letters</i> , <b>2011</b> , 65, 1875-1877	3.3	29
20	Coaxial carbon nanofibers/MnO <sub>2</sub> nanocomposites as freestanding electrodes for high-performance electrochemical capacitors. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 9240-9247	6.7	154
19	Nano-scaled top-down of bismuth chalcogenides based on electrochemical lithium intercalation. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 6569-6578	2.3	9
18	Adsorption of dimethyl sulfide from aqueous solution by a cost-effective bamboo charcoal. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 190, 1009-15	12.8	29
17	Chemisorption of hydrogen sulfide on halloysite-based porous clay heterostructures modified with potassium permanganate. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2011</b> , 6, 879-885	1.3	3
16	NO removal by electrospun porous carbon nanofibers at room temperature. <i>Chemical Engineering Journal</i> , <b>2011</b> , 170, 505-511	14.7	56
15	Effect of oxidative stabilization on the sintering of mesocarbon microbeads and a study of their carbonization. <i>Carbon</i> , <b>2011</b> , 49, 3200-3211	10.4	25
14	Adsorption of 2,4-dichlorophenol from Aqueous Solution by a New Low-Cost Adsorbent [Activated Bamboo Charcoal. <i>Separation Science and Technology</i> , <b>2010</b> , 45, 2329-2336	2.5	28
13	Electrospun ultrafine carbon fiber webs for electrochemical capacitive desalination. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 1843	3.6	74
12	Nanostructured LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> as a cathode material for high-power lithium-ion battery. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2008</b> , 3, 527-530	1.3	2
11	Effect of heat treatment on adsorption performance and photocatalytic activity of TiO <sub>2</sub> -mounted activated carbon cloths. <i>Catalysis Today</i> , <b>2008</b> , 139, 64-68	5.3	19
10	Soft magnetic performance improvement of Fe-filled carbon nanotubes by water-assisted pyrolysis route. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 867-873	1.6	11
9	Removal of volatile organic compounds by adsorption and photocatalytic oxydation. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2007</b> , 22, 450-452	1	2
8	Preparation of Porous Carbons from Halloysite-Sucrose Mixtures. <i>Clays and Clay Minerals</i> , <b>2006</b> , 54, 485-490		16
7	Effect of Temperature on the Adsorption of Organic Vapours on Activated Carbon Fibres. <i>Adsorption Science and Technology</i> , <b>2004</b> , 22, 327-335	3.6	2
6	Effect of CO in activating gas on the pore structure of activated carbon fiber with CO <sub>2</sub> activation. <i>Journal of Materials Science Letters</i> , <b>2003</b> , 22, 293-295		2

5	Breakthrough of methylethylketone and benzene vapors in activated carbon fiber beds. <i>Journal of Hazardous Materials</i> , <b>2003</b> , 98, 107-15	12.8	75
4	Pore structure and fractal characteristics of activated carbon fibers characterized by using HRTEM. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 249, 453-7	9.3	55
3	Adsorption of trace polar methy-ethyl-ketone and non-polar benzene vapors on viscose rayon-based activated carbon fibers. <i>Carbon</i> , <b>2002</b> , 40, 1363-1367	10.4	73
2	Adsorption Characteristics of Trace Volatile Organic Compounds on Activated Carbon Fibres at Room Temperature. <i>Adsorption Science and Technology</i> , <b>2002</b> , 20, 495-500	3.6	14
1	Adsorption of Volatile Organic Compounds on Activated Carbon Fiber Prepared by Carbon Dioxide. <i>Molecular Crystals and Liquid Crystals</i> , <b>2002</b> , 388, 23-28	0.5	5