

Zheng-Hong Huang

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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	Holey Graphitic Carbon Nitride Nanosheets with Carbon Vacancies for Highly Improved Photocatalytic Hydrogen Production. <i>Advanced Functional Materials</i> , 2015 , 25, 6885-6892	15.6	659
147	Towards ultrahigh volumetric capacitance: graphene derived highly dense but porous carbons for supercapacitors. <i>Scientific Reports</i> , 2013 , 3, 2975	4.9	467
146	Macroscopic 3D Porous Graphitic Carbon Nitride Monolith for Enhanced Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2015 , 27, 4634-9	24	457
145	Flexible electrodes and supercapacitors for wearable energy storage: a review by category. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 4659-4685	13	412
144	Adsorption of lead(II) ions from aqueous solution on low-temperature exfoliated graphene nanosheets. <i>Langmuir</i> , 2011 , 27, 7558-62	4	360
143	Carbon electrodes for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 470-496	13	204
142	Capacitive deionization of NaCl solutions using carbon nanotube sponge electrodes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18295		192
141	Rational synthesis of MnO ₂ /conducting polypyrrole@carbon nanofiber triaxial nano-cables for high-performance supercapacitors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 16943		177
140	Coaxial carbon nanofibers/MnO ₂ nanocomposites as freestanding electrodes for high-performance electrochemical capacitors. <i>Electrochimica Acta</i> , 2011 , 56, 9240-9247	6.7	154
139	Enhanced efficiency of graphene/silicon heterojunction solar cells by molecular doping. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5736	13	145
138	Nitrogen-enriched electrospun porous carbon nanofiber networks as high-performance free-standing electrode materials. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19678-19684	13	143
137	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> , 2015 , 15, 43-53	17.1	125
136	A high performance Li-ion capacitor constructed with Li ₄ Ti ₅ O ₁₂ /C hybrid and porous graphene macroform. <i>Journal of Power Sources</i> , 2015 , 282, 174-178	8.9	125
135	Glucose-promoted Zn-based metal-organic framework/graphene oxide composites for hydrogen sulfide removal. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 4942-7	9.5	116
134	Porphyrin-Based Nanostructures for Photocatalytic Applications. <i>Nanomaterials</i> , 2016 , 6,	5.4	109
133	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> , 2015 , 3, 18400-18405	13	86
132	Relation between the charge efficiency of activated carbon fiber and its desalination performance. <i>Langmuir</i> , 2012 , 28, 5079-84	4	85

131	Preparation of microporous carbon nanofibers from polyimide by using polyvinyl pyrrolidone as template and their capacitive performance. <i>Journal of Power Sources</i> , 2015 , 278, 683-692	8.9	80
130	Integrating porphyrin nanoparticles into a 2D graphene matrix for free-standing nanohybrid films with enhanced visible-light photocatalytic activity. <i>Nanoscale</i> , 2014 , 6, 978-85	7.7	80
129	Breakthrough of methylethylketone and benzene vapors in activated carbon fiber beds. <i>Journal of Hazardous Materials</i> , 2003 , 98, 107-15	12.8	75
128	Ordered mesoporous carbon nanospheres as electrode materials for high-performance supercapacitors. <i>Electrochemistry Communications</i> , 2013 , 36, 66-70	5.1	74
127	Electrospun ultrafine carbon fiber webs for electrochemical capacitive desalination. <i>New Journal of Chemistry</i> , 2010 , 34, 1843	3.6	74
126	An efficient flexible electrochemical glucose sensor based on carbon nanotubes/carbonized silk fabrics decorated with Pt microspheres. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 63-70	8.5	73
125	Adsorption of trace polar methy-ethyl-ketone and non-polar benzene vapors on viscose rayon-based activated carbon fibers. <i>Carbon</i> , 2002 , 40, 1363-1367	10.4	73
124	Three-dimensional reduced graphene oxide powder for efficient microwave absorption in the S-band (2-4 GHz). <i>RSC Advances</i> , 2017 , 7, 25773-25779	3.7	69
123	Synthesis of activated carbon nanospheres with hierarchical porous structure for high volumetric performance supercapacitors. <i>Electrochimica Acta</i> , 2015 , 182, 908-916	6.7	69
122	Electrospun carbon nanofiber networks from phenolic resin for capacitive deionization. <i>Chemical Engineering Journal</i> , 2014 , 252, 30-37	14.7	65
121	Porous mesocarbon microbeads with graphitic shells: constructing a high-rate, high-capacity cathode for hybrid supercapacitor. <i>Scientific Reports</i> , 2013 , 3, 2477	4.9	64
120	Noble-Metal-Free Hybrid Membranes for Highly Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2017 , 29, 1603617	24	62
119	Activated carbon fibers loaded with MnO ₂ for removing NO at room temperature. <i>Chemical Engineering Journal</i> , 2014 , 256, 101-106	14.7	60
118	Graphene oxide-embedded porous carbon nanofiber webs by electrospinning for capacitive deionization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 444, 153-158	5.1	59
117	Graphitic carbon nitride nanosheet-assisted preparation of N-enriched mesoporous carbon nanofibers with improved capacitive performance. <i>Carbon</i> , 2015 , 94, 342-348	10.4	58
116	NO removal by electrospun porous carbon nanofibers at room temperature. <i>Chemical Engineering Journal</i> , 2011 , 170, 505-511	14.7	56
115	Pore structure and fractal characteristics of activated carbon fibers characterized by using HRTEM. <i>Journal of Colloid and Interface Science</i> , 2002 , 249, 453-7	9.3	55
114	High-performance sodium-ion hybrid capacitors based on an interlayer-expanded MoS ₂ /rGO composite: surpassing the performance of lithium-ion capacitors in a uniform system. <i>NPG Asia Materials</i> , 2018 , 10, 775-787	10.3	54

113	Porous carbon for electrochemical capacitors prepared from a resorcinol/formaldehyde-based organic aquagel with nano-sized particles. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7158		48
112	Ultrahigh rate sodium ion storage with nitrogen-doped expanded graphite oxide in ether-based electrolyte. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1582-1589	13	48
111	Reduced-sized monolayer carbon nitride nanosheets for highly improved photoresponse for cell imaging and photocatalysis. <i>Science China Materials</i> , 2017 , 60, 109-118	7.1	46
110	Polyimide-based porous hollow carbon nanofibers for supercapacitor electrode. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	46
109	Electrospun preparation of microporous carbon ultrafine fibers with tuned diameter, pore structure and hydrophobicity from phenolic resin. <i>Carbon</i> , 2014 , 66, 705-712	10.4	43
108	A Composite Polymeric Carbon Nitride with In Situ Formed Isotype Heterojunctions for Highly Improved Photocatalysis under Visible Light. <i>Small</i> , 2017 , 13, 1603182	11	41
107	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> , 2013 , 1, 9536	13	41
106	Hydrothermal Synthesis of Graphene/Bi ₂ WO ₆ Composite with High Adsorptivity and Photoactivity for Azo Dyes. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1562-1569	3.8	40
105	A high-power lithium-ion hybrid electrochemical capacitor based on citrate-derived electrodes. <i>Electrochimica Acta</i> , 2017 , 228, 76-81	6.7	39
104	Facile fabrication of three-dimensional interconnected nanoporous N-TiO ₂ for efficient photoelectrochemical water splitting. <i>Journal of Materials Science and Technology</i> , 2018 , 34, 955-960	9.1	37
103	Facile Synthesis of Crystalline Polymeric Carbon Nitrides with an Enhanced Photocatalytic Performance under Visible Light. <i>ChemCatChem</i> , 2015 , 7, 2897-2902	5.2	34
102	High performance lithium-ion capacitors based on scalable surface carved multi-hierarchical construction electrospun carbon fibers. <i>Carbon</i> , 2018 , 138, 325-336	10.4	34
101	Polymer-coated graphene films as anti-reflective transparent electrodes for Schottky junction solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13795-13802	13	34
100	High areal specific capacity of Ni ₃ V ₂ O ₈ /carbon cloth hierarchical structures as flexible anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15517-15524	13	33
99	Carbon-coated TiO ₂ composites for the photocatalytic degradation of low concentration benzene. <i>New Carbon Materials</i> , 2011 , 26, 63-70	4.4	32
98	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> , 2015 , 3, 18860-18866	13	31
97	Catalytically oxidation of NO into NO ₂ at room temperature by graphitized porous nanofibers. <i>Catalysis Today</i> , 2013 , 201, 109-114	5.3	31
96	Activated carbon fibers with manganese dioxide coating for flexible fiber supercapacitors with high capacitive performance. <i>Journal of Energy Chemistry</i> , 2019 , 31, 95-100	12	30

95	Large-Area Flexible CoreShell Graphene/Porous Carbon Woven Fabric Films for Fiber Supercapacitor Electrodes. <i>Advanced Functional Materials</i> , 2013 , 23, n/a-n/a	15.6	29
94	Porous carbon nanofibers with narrow pore size distribution from electrospun phenolic resins. <i>Materials Letters</i> , 2011 , 65, 1875-1877	3.3	29
93	Adsorption of dimethyl sulfide from aqueous solution by a cost-effective bamboo charcoal. <i>Journal of Hazardous Materials</i> , 2011 , 190, 1009-15	12.8	29
92	Oxidation State Modulation of Bismuth for Efficient Electrocatalytic Nitrogen Reduction to Ammonia. <i>Advanced Functional Materials</i> , 2021 , 31, 2100300	15.6	29
91	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> , 2020 , 42, 180-184	12	29
90	Flour food waste derived activated carbon for high-performance supercapacitors. <i>RSC Advances</i> , 2016 , 6, 89391-89396	3.7	28
89	Adsorption of 2,4-dichlorophenol from Aqueous Solution by a New Low-Cost Adsorbent [Activated Bamboo Charcoal. <i>Separation Science and Technology</i> , 2010 , 45, 2329-2336	2.5	28
88	In-situ growth of MnO crystals under nanopore-constraint in carbon nanofibers and their electrochemical performance. <i>Scientific Reports</i> , 2016 , 6, 37368	4.9	27
87	Effects of Electrospun Carbon Nanofibers' Interlayers on High-Performance Lithium-Sulfur Batteries. <i>Materials</i> , 2017 , 10,	3.5	27
86	A facile route to high nitrogen-containing porous carbon fiber sheets from biomass-flax for high-performance flexible supercapacitors. <i>Applied Surface Science</i> , 2020 , 507, 145108	6.7	27
85	Electrospun magnetic carbon composite fibers: Synthesis and electromagnetic wave absorption characteristics. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 4288-4295	2.9	26
84	NH ₃ -activated carbon nanofibers for low-concentration NO removal at room temperature. <i>Catalysis Communications</i> , 2015 , 62, 83-88	3.2	25
83	Effect of oxidative stabilization on the sintering of mesocarbon microbeads and a study of their carbonization. <i>Carbon</i> , 2011 , 49, 3200-3211	10.4	25
82	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> , 2021 , 581, 238-250	9.3	25
81	Hierarchical Micro-/Mesoporous Carbon Derived from Rice Husk by Hydrothermal Pre-Treatment for High Performance Supercapacitor. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A3334-A3341	3.9	25
80	Preparation of graphene/carbon hybrid nanofibers and their performance for NO oxidation. <i>Carbon</i> , 2015 , 87, 282-291	10.4	24
79	Preparation of flexible phenolic resin-based porous carbon fabrics by electrospinning. <i>Chemical Engineering Journal</i> , 2013 , 218, 232-237	14.7	24
78	Wasp nest-imitated assembly of elastic rGO/p-Ti3C2Tx MXene-cellulose nanofibers for high-performance sodium-ion batteries. <i>Carbon</i> , 2019 , 153, 625-633	10.4	22

77	Nitrogen-rich hierarchical porous hollow carbon nanofibers for high-performance supercapacitor electrodes. <i>RSC Advances</i> , 2016 , 6, 41473-41476	3.7	22
76	Synthesis and photocatalytic activity of mesoporous g-CN/MoS hybrid catalysts. <i>Royal Society Open Science</i> , 2018 , 5, 180187	3.3	22
75	Building Carbon-Based Versatile Scaffolds on the Electrode Surface to Boost Capacitive Performance for Fiber Pseudocapacitors. <i>Small</i> , 2019 , 15, e1900721	11	21
74	Homogenous and highly isotropic graphite produced from mesocarbon microbeads. <i>Carbon</i> , 2015 , 94, 18-26	10.4	21
73	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> , 2014 , 443, 66-71	5.1	21
72	Advanced Materials for Sodium-Ion Capacitors with Superior Energy-Power Properties: Progress and Perspectives. <i>Small</i> , 2020 , 16, e1902843	11	21
71	Preparation of porous carbon nanofibers with controllable pore structures for low-concentration NO removal at room temperature. <i>New Carbon Materials</i> , 2016 , 31, 277-286	4.4	19
70	Effect of heat treatment on adsorption performance and photocatalytic activity of TiO ₂ -mounted activated carbon cloths. <i>Catalysis Today</i> , 2008 , 139, 64-68	5.3	19
69	Facile synthesis of bimodal macroporous g-C ₃ N ₄ /SnO ₂ nanohybrids with enhanced photocatalytic activity. <i>Science Bulletin</i> , 2019 , 64, 44-53	10.6	19
68	High Areal Capacity Li-Ion Storage of Binder-Free Metal Vanadate/Carbon Hybrid Anode by Ion-Exchange Reaction. <i>Small</i> , 2018 , 14, e1801832	11	18
67	From upcycled waste polyethylene plastic to graphene/mesoporous carbon for high-voltage supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019 , 557, 55-64	9.3	18
66	Adsorption of benzene and ethanol on activated carbon nanofibers prepared by electrospinning. <i>Adsorption</i> , 2013 , 19, 1035-1043	2.6	18
65	Asymmetric Supercapacitors Based on Hierarchically Nanoporous Carbon and ZnCoO From a Single Biometallic Metal-Organic Frameworks (Zn/Co-MOF). <i>Frontiers in Chemistry</i> , 2020 , 8, 719	5	18
64	Nitrogen/Oxygen Dual-Doped Carbon Nanofibers as an Electrocatalytic Interlayer for a High Sulfur Content Lithium Sulfur Battery. <i>ACS Applied Energy Materials</i> , 2019 , 2, 777-787	6.1	18
63	GO/auricularia-derived hierarchical porous carbon used for capacitive deionization with high performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 547, 134-140	5.1	17
62	Modifying porous carbon nanofibers with MnO _x /FeO ₂ /Al ₂ O ₃ mixed oxides for NO catalytic oxidation at room temperature. <i>Catalysis Science and Technology</i> , 2016 , 6, 422-425	5.5	17
61	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> , 2021 , 420, 127411	14.7	17
60	Facile fabrication of organic/inorganic nanotube heterojunction arrays for enhanced photoelectrochemical water splitting. <i>Nanoscale</i> , 2016 , 8, 13228-35	7.7	16

59	Preparation of Porous Carbons from Halloysite-Sucrose Mixtures. <i>Clays and Clay Minerals</i> , 2006 , 54, 485-490	16
58	Inorganic Nanotube/Organic Nanoparticle Hybrids for Enhanced Photoelectrochemical Properties. <i>Journal of Materials Science and Technology</i> , 2017 , 33, 728-733	9.1 15
57	Hierarchical design of nitrogen-doped porous carbon nanorods for use in high efficiency capacitive energy storage. <i>RSC Advances</i> , 2017 , 7, 22447-22453	3.7 15
56	Improvement of the hydrophilicity of electrospun porous carbon nanofibers by grafting phenylsulfonic acid groups. <i>Journal of Colloid and Interface Science</i> , 2013 , 394, 177-82	9.3 14
55	Adsorption Characteristics of Trace Volatile Organic Compounds on Activated Carbon Fibres at Room Temperature. <i>Adsorption Science and Technology</i> , 2002 , 20, 495-500	3.6 14
54	Scalable synthesis of lotus-seed-pod-like Si/SiO _x @CNF: Applications in freestanding electrode and flexible full lithium-ion batteries. <i>Carbon</i> , 2020 , 158, 163-171	10.4 14
53	A High Performance Lithium-Ion Capacitor with Both Electrodes Prepared from Sri Lanka Graphite Ore. <i>Materials</i> , 2017 , 10,	3.5 13
52	Hybrid graphene/amorphous carbon films with tadpole-like structures for high-performance photovoltaic applications. <i>RSC Advances</i> , 2013 , 3, 22295	3.7 13
51	Porous Carbon Nanofibers: Preparation and Potential Applications. <i>Current Organic Chemistry</i> , 2013 , 17, 1434-1447	1.7 13
50	Synergistic Doping for Pseudocapacitance Sites in Alkaline Carbon Supercapacitors. <i>ChemElectroChem</i> , 2018 , 5, 84-92	4.3 12
49	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> , 2019 , 30, 1468-1479	12
48	Steam Selective Etching: A Strategy to Effectively Enhance the Flexibility and Suppress the Volume Change of Carbonized Paper-Supported Electrodes. <i>ACS Nano</i> , 2019 , 13, 5731-5741	16.7 11
47	Silicon-Encapsulated Hollow Carbon Nanofiber Networks as Binder-Free Anodes for Lithium Ion Battery. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-10	3.2 11
46	Soft magnetic performance improvement of Fe-filled carbon nanotubes by water-assisted pyrolysis route. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007 , 204, 867-873	1.6 11
45	3D porous Li ₃ VO ₄ @C composite anodes with ultra-high rate capacity for lithium-ion capacitors. <i>Electrochimica Acta</i> , 2020 , 355, 136819	6.7 10
44	Sulfur-Doped Reduced Graphene Oxide for Enhanced Sodium Ion Pseudocapacitance. <i>Nanomaterials</i> , 2019 , 9,	5.4 9
43	Graphene/carbon composite nanofibers for NO oxidation at room temperature. <i>Catalysis Science and Technology</i> , 2015 , 5, 827-829	5.5 9
42	Nano-scaled top-down of bismuth chalcogenides based on electrochemical lithium intercalation. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 6569-6578	2.3 9

41	Wettability of natural microcrystalline graphite filler with pitch in isotropic graphite preparation. <i>Fuel</i> , 2016 , 180, 743-748	7.1	8
40	Flexible C-MoC fiber film with self-fused junctions as a long cyclability anode material for sodium-ion battery.. <i>RSC Advances</i> , 2018 , 8, 16657-16662	3.7	8
39	Silver Nanoparticles-Loaded Exfoliated Graphite and Its Anti-Bacterial Performance. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 852	2.6	8
38	Asymmetric Electrodes Constructed with PAN-Based Activated Carbon Fiber in Capacitive Deionization. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-6	3.2	8
37	Interface enhancement of carbon nanotube/mesocarbon microbead isotropic composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014 , 56, 44-50	8.4	8
36	MoS/carbon composites prepared by ball-milling and pyrolysis for the high-rate and stable anode of lithium ion capacitors.. <i>RSC Advances</i> , 2019 , 9, 42316-42323	3.7	8
35	Nitrogen-enriched hierarchical porous carbon with enhanced performance in supercapacitors and lithium-sulfur batteries. <i>RSC Advances</i> , 2015 , 5, 75403-75410	3.7	7
34	Hydrothermal Synthesis of Iodine-Doped Nanoplates with Enhanced Visible and Ultraviolet-Induced Photocatalytic Activities. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-12	2.1	7
33	Environment-friendly preparation of exfoliated graphite and functional graphite sheets. <i>Journal of Materiomics</i> , 2021 , 7, 136-145	6.7	7
32	Beneficiation of ultra-large flake graphite and the preparation of flexible graphite sheets from it. <i>New Carbon Materials</i> , 2019 , 34, 205-210	4.4	6
31	Monolithic organic/inorganic ternary nanohybrids toward electron transfer cascade for enhanced visible-light photocatalysis. <i>RSC Advances</i> , 2015 , 5, 23174-23180	3.7	6
30	Microstructure and thermal expansion behavior of natural microcrystalline graphite. <i>Carbon</i> , 2021 , 177, 90-96	10.4	6
29	Thermal and gas purification of natural graphite for nuclear applications. <i>Carbon</i> , 2021 , 173, 769-781	10.4	6
28	Facile synthesis of FeVO@C materials as high-performance composite cathode for lithium-ion hybrid capacitor. <i>Journal of Alloys and Compounds</i> , 2020 , 835, 155398	5.7	5
27	Adsorption of Volatile Organic Compounds on Activated Carbon Fiber Prepared by Carbon Dioxide. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 388, 23-28	0.5	5
26	Preparation and performance of electrochemical glucose sensors based on copper nanoparticles loaded on flexible graphite sheet. <i>New Carbon Materials</i> , 2020 , 35, 410-419	4.4	5
25	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> , 2020 , 167, 127501	3.9	4
24	NaVO/Activated Carbon Hybrid Cathode for High-Performance Lithium-Ion Capacitors. <i>Materials</i> , 2020 , 14,	3.5	4

23	A 3D lithium metal anode reinforced by scalable in-situ copper oxide nanostick copper mesh. <i>Journal of Alloys and Compounds</i> , 2021 , 865, 158908	5.7	4
22	Ultrasensitive molecular sensing of few-layer niobium diselenide. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 2725-2733	13	4
21	Chemisorption of hydrogen sulfide on halloysite-based porous clay heterostructures modified with potassium permanganate. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2011 , 6, 879-885	1.3	3
20	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> , 2015 , 25, 6952-6952	15.6	2
19	Removal of volatile organic compounds by adsorption and photocatalytic oxydation. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2007 , 22, 450-452	1	2
18	Nanostructured LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ as a cathode material for high-power lithium-ion battery. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2008 , 3, 527-530	1.3	2
17	Effect of CO in activating gas on the pore structure of activated carbon fiber with CO ₂ activation. <i>Journal of Materials Science Letters</i> , 2003 , 22, 293-295		2
16	Effect of Temperature on the Adsorption of Organic Vapours on Activated Carbon Fibres. <i>Adsorption Science and Technology</i> , 2004 , 22, 327-335	3.6	2
15	Exfoliated graphite blocks with resilience prepared by room temperature exfoliation and their application for oil-water separation. <i>Journal of Hazardous Materials</i> , 2021 , 127724	12.8	2
14	An Ice-melting kinetic control strategy for highly photocatalytic organic nanocrystals. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25275-25282	13	2
13	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> , 2021 , 9, 20483-20492	13	2
12	Nitrogen-doped hollow graphite granule as anode materials for high-performance lithium-ion batteries. <i>Journal of Solid State Chemistry</i> , 2021 , 303, 122500	3.3	2
11	A novel and facile prepared wound dressing based on large expanded graphite worms. <i>Journal of Materials Research</i> , 2019 , 34, 490-499	2.5	1
10	Synthesis of porous graphitic carbon from mesocarbon microbeads by one-step route. <i>Journal of Porous Materials</i> , 2013 , 20, 1323-1328	2.4	1
9	Carbon Nanomaterials and Related Nanostructures: Synthesis, Characterization, and Application. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-1	3.2	1
8	Organic semiconductor nanostructures: Optoelectronic properties, Modification strategy, and Photocatalytic Applications. <i>Journal of Materials Science and Technology</i> , 2021 ,	9.1	1
7	A Highly Sensitive Electrochemical Glucose Sensor Based on Room Temperature Exfoliated Graphite-Derived Film Decorated with Dendritic Copper. <i>Materials</i> , 2021 , 14,	3.5	1
6	Hierarchically porous carbons with diverse microstructures derived from crude oil via One-for-All strategy. <i>Carbon</i> , 2021 , 184, 340-345	10.4	1

5	Self-supporting nitrogen-doped reduced graphene oxide@carbon nanofiber hybrid membranes as high-performance integrated air cathodes in microbial fuel cells. <i>Carbon</i> , 2022 , 193, 242-257	10.4	1
4	The molecular simulation and experimental investigation of toluene and naphthalene adsorption on ordered porous silica. <i>Chemical Engineering Journal</i> , 2022 , 435, 134844	14.7	0
3	Combining Multiple Methods for Recycling of Kish Graphite from Steelmaking Slags and Oil Sorption Performance of Kish-Based Expanded Graphite. <i>ACS Omega</i> , 2021 , 6, 9868-9875	3.9	0
2	Electrochemical Synthesis of Graphene Oxide from Graphite Flakes Exfoliated at Room Temperature. <i>Applied Surface Science</i> , 2022 , 153788	6.7	0
1	Blow-spun N-doped carbon fiber based high performance flexible lithium ion capacitors.. <i>RSC Advances</i> , 2020 , 10, 9833-9839	3.7	