

Zhibin Lei

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137
papers

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142
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9,943
ext. citations

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avg, IF

6.27
L-index

#	Paper	IF	Citations
137	Visible-light-driven hydrogen production with extremely high quantum efficiency on PtPdS/CdS photocatalyst. <i>Journal of Catalysis</i> , 2009 , 266, 165-168	7.3	933
136	Ultrathin MnO ₂ nanofibers grown on graphitic carbon spheres as high-performance asymmetric supercapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 153-160		503
135	The electrocapacitive properties of graphene oxide reduced by urea. <i>Energy and Environmental Science</i> , 2012 , 5, 6391-6399	35.4	410
134	Intercalation of mesoporous carbon spheres between reduced graphene oxide sheets for preparing high-rate supercapacitor electrodes. <i>Energy and Environmental Science</i> , 2011 , 4, 1866	35.4	394
133	Photocatalytic water reduction under visible light on a novel ZnIn ₂ S ₄ catalyst synthesized by hydrothermal method. <i>Chemical Communications</i> , 2003 , 2142-3	5.8	376
132	Hierarchically porous carbon by activation of shiitake mushroom for capacitive energy storage. <i>Carbon</i> , 2015 , 93, 315-324	10.4	317
131	Incorporation of MnO ₂ -coated carbon nanotubes between graphene sheets as supercapacitor electrode. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1058-64	9.5	299
130	Biomass-Derived Carbon Fiber Aerogel as a Binder-Free Electrode for High-Rate Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 2079-2086	3.8	217
129	Growth of Polyaniline on Hollow Carbon Spheres for Enhancing Electrocapacitance. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 19867-19874	3.8	187
128	Three-Dimensional Tubular MoS ₂ /PANI Hybrid Electrode for High Rate Performance Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28294-302	9.5	183
127	Functionalization of chemically derived graphene for improving its electrocapacitive energy storage properties. <i>Energy and Environmental Science</i> , 2016 , 9, 1891-1930	35.4	181
126	Activation of graphene aerogel with phosphoric acid for enhanced electrocapacitive performance. <i>Carbon</i> , 2015 , 92, 1-10	10.4	167
125	A high-energy-density supercapacitor with graphene@MK-5 as the electrode and ionic liquid as the electrolyte. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2313	13	165
124	Mesoporous carbon nanospheres with an excellent electrocapacitive performance. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2274-2281		153
123	Water reduction and oxidation on Pt-Ru/Y ₂ Ta ₂ O ₅ N ₂ catalyst under visible light irradiation. <i>Chemical Communications</i> , 2004 , 2192-3	5.8	143
122	Tellurium-Assisted Epitaxial Growth of Large-Area, Highly Crystalline ReS ₂ Atomic Layers on Mica Substrate. <i>Advanced Materials</i> , 2016 , 28, 5019-24	24	138
121	Sulfur-substituted and zinc-doped In(OH) ₃ : A new class of catalyst for photocatalytic H ₂ production from water under visible light illumination. <i>Journal of Catalysis</i> , 2006 , 237, 322-329	7.3	126

120	Thin-Sheet Carbon Nanomesh with an Excellent Electrocapacitive Performance. <i>Advanced Functional Materials</i> , 2015 , 25, 5420-5427	15.6	125
119	H ₂ production with ultra-low CO selectivity via photocatalytic reforming of methanol on Au/TiO ₂ catalyst. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 1243-1251	6.7	125
118	Creation of nanopores on graphene planes with MgO template for preparing high-performance supercapacitor electrodes. <i>Nanoscale</i> , 2014 , 6, 6577-84	7.7	114
117	RuO ₂ /graphene hybrid material for high performance electrochemical capacitor. <i>Journal of Power Sources</i> , 2014 , 248, 407-415	8.9	106
116	Highly dispersed platinum supported on nitrogen-containing ordered mesoporous carbon for methanol electrochemical oxidation. <i>Microporous and Mesoporous Materials</i> , 2009 , 119, 30-38	5.3	96
115	Graphene/VO ₂ hybrid material for high performance electrochemical capacitor. <i>Electrochimica Acta</i> , 2013 , 112, 448-457	6.7	92
114	Structural evolution and electrocatalytic application of nitrogen-doped carbon shells synthesized by pyrolysis of near-monodisperse polyaniline nanospheres. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5985		91
113	Highly Compressible Carbon Sponge Supercapacitor Electrode with Enhanced Performance by Growing Nickel-Cobalt Sulfide Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10087-10095	9.5	86
112	EMnO ₂ /holey graphene hybrid fiber for all-solid-state supercapacitor. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9088-9096	13	82
111	Synthesis of Large-Size 1TQReS Se Alloy Monolayer with Tunable Bandgap and Carrier Type. <i>Advanced Materials</i> , 2017 , 29, 1705015	24	80
110	CMK-5 Mesoporous Carbon Synthesized via Chemical Vapor Deposition of Ferrocene as Catalyst Support for Methanol Oxidation. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 722-731	3.8	78
109	Formation process of holey graphene and its assembled binder-free film electrode with high volumetric capacitance. <i>Electrochimica Acta</i> , 2016 , 187, 543-551	6.7	73
108	Holey graphene/polypyrrole nanoparticle hybrid aerogels with three-dimensional hierarchical porous structure for high performance supercapacitor. <i>Journal of Power Sources</i> , 2016 , 317, 10-18	8.9	72
107	Holey nickel-cobalt layered double hydroxide thin sheets with ultrahigh areal capacitance. <i>Journal of Power Sources</i> , 2018 , 387, 108-116	8.9	71
106	Layer-Stacking Activated Carbon Derived from Sunflower Stalk as Electrode Materials for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 11397-11407	8.3	69
105	Nickel-Catalyzed Fabrication of SiO ₂ , TiO ₂ /Graphitized Carbon, and the Resultant Graphitized Carbon with Periodically Macroporous Structure. <i>Chemistry of Materials</i> , 2007 , 19, 477-484	9.6	67
104	Facile Electrochemical Fabrication of Porous Fe ₂ O ₃ Nanosheets for Flexible Asymmetric Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18982-18991	3.8	64
103	Fabrication of well-ordered macroporous active carbon with a microporous framework. <i>Journal of Materials Chemistry</i> , 2001 , 11, 1975-1977		63

102	Reduced graphene oxide/Mn ₃ O ₄ nanocrystals hybrid fiber for flexible all-solid-state supercapacitor with excellent volumetric energy density. <i>Electrochimica Acta</i> , 2017 , 242, 10-18	6.7	61
101	Extraordinarily high-rate capability of polyaniline nanorod arrays on graphene nanomesh. <i>Journal of Power Sources</i> , 2016 , 304, 111-118	8.9	61
100	Gold nanoparticles supported on functionalized mesoporous silica for selective oxidation of cyclohexane. <i>Microporous and Mesoporous Materials</i> , 2011 , 141, 222-230	5.3	61
99	CoNi S Nanoparticle/Carbon Nanotube Sponge Cathode with Ultrahigh Capacitance for Highly Compressible Asymmetric Supercapacitor. <i>Small</i> , 2018 , 14, e1800998	11	59
98	High-energy asymmetric electrochemical capacitors based on oxides functionalized hollow carbon fibers electrodes. <i>Nano Energy</i> , 2016 , 30, 9-17	17.1	58
97	A self-powered graphene/MoS ₂ hybrid phototransistor with fast response rate and high on/off ratio. <i>Carbon</i> , 2015 , 92, 126-132	10.4	57
96	Preparation of sucrose-based microporous carbons and their application as electrode materials for supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2012 , 156, 176-180	5.3	52
95	Photocatalytic Water Splitting to Hydrogen over a Visible Light-Driven LaTaON ₂ Catalyst. <i>Chinese Journal of Catalysis</i> , 2006 , 27, 556-558	11.3	52
94	Nitrogen-doped carbon sheets coated on CoNiO ₂ @textile carbon as bifunctional electrodes for asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4165-4174	13	49
93	Improving the electrocapacitive properties of mesoporous CMK-5 carbon with carbon nanotubes and nitrogen doping. <i>Microporous and Mesoporous Materials</i> , 2012 , 147, 86-93	5.3	48
92	Design of Palladium-Doped g-C ₃ N ₄ for Enhanced Photocatalytic Activity toward Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2018 , 1, 2866-2873	6.1	48
91	Epitaxial growth of large-area and highly crystalline anisotropic ReSe ₂ atomic layer. <i>Nano Research</i> , 2017 , 10, 2732-2742	10	47
90	Platelet CMK-5 as an excellent mesoporous carbon to enhance the pseudocapacitance of polyaniline. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7501-8	9.5	47
89	Direct growth of flake-like metal-organic framework on textile carbon cloth as high-performance supercapacitor electrode. <i>Journal of Power Sources</i> , 2019 , 428, 124-130	8.9	45
88	High capacitive property for supercapacitor using Fe ³⁺ /Fe ²⁺ redox couple additive electrolyte. <i>Electrochimica Acta</i> , 2017 , 231, 705-712	6.7	44
87	Graphene/MnO ₂ hybrid film with high capacitive performance. <i>Electrochimica Acta</i> , 2015 , 154, 300-307	6.7	44
86	Suppressing CO formation by anion adsorption and Pt deposition on TiO ₂ in H ₂ production from photocatalytic reforming of methanol. <i>Journal of Catalysis</i> , 2008 , 253, 225-227	7.3	44
85	Preparation and capacitance behavior of manganese oxide hollow structures with different morphologies via template-engaged redox etching. <i>Journal of Power Sources</i> , 2013 , 239, 347-355	8.9	43

84	A promising electrochemical biosensing platform based on graphitized ordered mesoporous carbon. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4707		42
83	Fabrication of ultra-large mesoporous carbon with tunable pore size by monodisperse silica particles derived from seed growth process. <i>Microporous and Mesoporous Materials</i> , 2006 , 96, 127-134	5.3	41
82	Graphitized macroporous carbon microarray with hierarchical mesopores as host for the fabrication of electrochemical biosensor. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 244-7	11.8	40
81	Two-step templating route to macroporous or hollow sphere oxides. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2930-2933		40
80	MnO ₂ nanofiber/single-walled carbon nanotube hybrid film for all-solid-state flexible supercapacitors with high performance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19107-19115	13	38
79	Enhancing the Capacitive Performance of Carbonized Wood by Growing FeOOH Nanosheets and Poly(3,4-ethylenedioxythiophene) Coating. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 32192-32200	9.5	38
78	Electrocapacitive performance of graphene/Co ₃ O ₄ hybrid material prepared by a nanosheet assembly route. <i>Electrochimica Acta</i> , 2014 , 119, 184-191	6.7	37
77	Engineered Fabrication of Hierarchical Frameworks with Tuned Pore Structure and N,O-Co-Doping for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31940-31949	9.5	37
76	Hierarchical graphene network sandwiched by a thin carbon layer for capacitive energy storage. <i>Carbon</i> , 2017 , 113, 100-107	10.4	36
75	Mesoporous TiO ₂ photocatalytic films on stainless steel for water decontamination. <i>Catalysis Science and Technology</i> , 2012 , 2, 147-155	5.5	36
74	Green synthesis of holey graphene sheets and their assembly into aerogel with improved ion transport property. <i>Electrochimica Acta</i> , 2016 , 212, 171-178	6.7	35
73	Hierarchical porous nickel oxide/carbon nanotubes as advanced pseudocapacitor materials for supercapacitors. <i>Chemical Physics Letters</i> , 2013 , 561-562, 68-73	2.5	35
72	Mn ₃ O ₄ nanocrystalline/graphene hybrid electrode with high capacitance. <i>Electrochimica Acta</i> , 2016 , 188, 398-405	6.7	33
71	Adsorption template preparation of polyanilines with different morphologies and their capacitance. <i>Electrochimica Acta</i> , 2014 , 145, 99-108	6.7	33
70	Enhanced high-order ultraviolet upconversion luminescence in sub-20 nm NaYbF ₄ :0.5% Tm nanoparticles via Fe ³⁺ doping. <i>CrystEngComm</i> , 2017 , 19, 1304-1310	3.3	32
69	Coral-like PEDOT Nanotube Arrays on Carbon Fibers as High-Rate Flexible Supercapacitor Electrodes. <i>ACS Applied Energy Materials</i> , 2020 , 3, 7794-7803	6.1	32
68	Capacitive performance of porous carbon nanosheets derived from biomass cornstalk. <i>RSC Advances</i> , 2017 , 7, 1067-1074	3.7	30
67	Textile carbon network with enhanced areal capacitance prepared by chemical activation of cotton cloth. <i>Journal of Colloid and Interface Science</i> , 2019 , 553, 705-712	9.3	30

66	Facile synthesis of Ti4O7 on hollow carbon spheres with enhanced polysulfide binding for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10494-10504	13	30
65	Nanoassembly Growth Model for Subdomain and Grain Boundary Formation in 1T' Layered ReS2. <i>Advanced Functional Materials</i> , 2019 , 29, 1906385	15.6	30
64	Graphitized carbon with hierarchical mesoporous structure templated from colloidal silica particles. <i>Microporous and Mesoporous Materials</i> , 2008 , 109, 109-117	5.3	30
63	All solid-state V2O5-based flexible hybrid fiber supercapacitors. <i>Journal of Power Sources</i> , 2017 , 371, 18-25	8.9	28
62	MnO2 nanoflakes grown on 3D graphite network for enhanced electrocapacitive performance. <i>RSC Advances</i> , 2014 , 4, 30233-30240	3.7	28
61	Composition-dependent optical properties of ZnxCd1-xS synthesized by precipitable-hydrothermal process. <i>Solid State Communications</i> , 2008 , 146, 249-252	1.6	28
60	A new route to three-dimensionally well-ordered macroporous rare-earth oxides. <i>New Journal of Chemistry</i> , 2001 , 25, 1118-1120	3.6	28
59	TiCT Nanosheets/TiCT Quantum Dots/RGO (Reduced Graphene Oxide) Fibers for an All-Solid-State Asymmetric Supercapacitor with High Volume Energy Density and Good Flexibility. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11833-11842	9.5	27
58	Gold nanoparticles supported on periodic mesoporous organosilicas for epoxidation of olefins: Effects of pore architecture and surface modification method of the supports. <i>Microporous and Mesoporous Materials</i> , 2011 , 143, 426-434	5.3	27
57	Electrochemical polymerization of aniline inside ordered macroporous carbon. <i>Chemical Communications</i> , 2002 , 676-7	5.8	27
56	Intercalation and delamination behavior of Ti3C2Tx and MnO2/Ti3C2Tx/RGO flexible fibers with high volumetric capacitance. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12582-12592	13	26
55	High performance graphene/manganese oxide hybrid electrode with flexible holey structure. <i>Electrochimica Acta</i> , 2014 , 129, 237-244	6.7	26
54	2D Re-Based Transition Metal Chalcogenides: Progress, Challenges, and Opportunities. <i>Advanced Science</i> , 2020 , 7, 2002320	13.6	25
53	Electrospun NbO nanorods/microporous multichannel carbon nanofiber film anode for Na ion capacitors with good performance. <i>Journal of Colloid and Interface Science</i> , 2020 , 573, 1-10	9.3	23
52	Topochemical Oxidation Preparation of Regular Hexagonal Manganese Oxide Nanoplates with Birnessite-Type Layered Structure. <i>Crystal Growth and Design</i> , 2014 , 14, 5626-5633	3.5	23
51	Vanadyl phosphate/reduced graphene oxide nanosheet hybrid material and its capacitance. <i>Electrochimica Acta</i> , 2015 , 178, 312-320	6.7	23
50	Photocatalytic Degradation of Rhodamine B and Phenol by TiO2 Loaded on Mesoporous Graphitic Carbon. <i>Chinese Journal of Catalysis</i> , 2008 , 29, 31-36	11.3	23
49	Mn3O4/RGO/SWCNT hybrid film for all-solid-state flexible supercapacitor with high energy density. <i>Electrochimica Acta</i> , 2018 , 283, 174-182	6.7	23

48	Highly flexible all-solid-state cable-type supercapacitors based on Cu/reduced graphene oxide/manganese dioxide fibers. <i>RSC Advances</i> , 2017 , 7, 10092-10099	3.7	22
47	Polyaniline Nanorods Grown on Hollow Carbon Fibers as High-Performance Supercapacitor Electrodes. <i>ChemElectroChem</i> , 2016 , 3, 1142-1149	4.3	22
46	Fe ₂ O ₃ /SBA-15 catalyst synthesized by chemical vapor infiltration for Friedel-Crafts alkylation reaction. <i>Microporous and Mesoporous Materials</i> , 2009 , 123, 306-313	5.3	21
45	Solvothermal-assisted liquid-phase exfoliation of large size and high quality black phosphorus. <i>Journal of Materiomics</i> , 2018 , 4, 129-134	6.7	20
44	Fabrication and characterization of highly-ordered periodic macroporous barium titanate by the sol-gel method. <i>Journal of Materials Chemistry</i> , 2000 , 10, 2629-2631		20
43	Sol-gel synthesis, microstructure and adsorption properties of hollow silica spheres. <i>Materials Letters</i> , 2011 , 65, 1811-1814	3.3	19
42	Full-Temperature All-Solid-State Ti ₃ C ₂ T _x /Aramid Fiber Supercapacitor with Optimal Balance of Capacitive Performance and Flexibility. <i>Advanced Functional Materials</i> , 2021 , 31, 2010944	15.6	19
41	Ionically conducting Er ³⁺ -doped DNA-based biomembranes for electrochromic devices. <i>Electrochimica Acta</i> , 2014 , 120, 327-333	6.7	18
40	Connecting PEDOT Nanotube Arrays by Polyaniline Coating toward a Flexible and High-Rate Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 4146-4156	8.3	16
39	NbO Nanoparticles Anchored on an N-Doped Graphene Hybrid Anode for a Sodium-Ion Capacitor with High Energy Density. <i>ACS Omega</i> , 2018 , 3, 15943-15951	3.9	16
38	Formation mechanisms of interfaces between different TiO ₂ <i>n</i> phases prepared by carbothermal reduction reaction. <i>CrystEngComm</i> , 2019 , 21, 524-534	3.3	15
37	MnO ₂ -wrapped hollow graphitized carbon nanosphere electrode for supercapacitor. <i>Materials Research Bulletin</i> , 2016 , 73, 429-436	5.1	15
36	Fluoride anions-assisted hydrothermal preparation and growth process of MnO ₂ with bipyramid prism morphology. <i>CrystEngComm</i> , 2013 , 15, 6682	3.3	15
35	Fabrication of CNTs with controlled diameters and their applications as electrocatalyst supports for DMFC. <i>Diamond and Related Materials</i> , 2011 , 20, 343-350	3.5	14
34	Rational design and controllable preparation of holey MnO nanosheets. <i>Chemical Communications</i> , 2017 , 53, 2950-2953	5.8	13
33	Mesoporous-assembled MnO ₂ with large specific surface area. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14567-14572	13	13
32	Sulfur doping induced anionic oxidation of niobium-pentoxide-based anode for ultralong-life and high energy-density Na-ion capacitors. <i>Journal of Power Sources</i> , 2020 , 451, 227744	8.9	13
31	Assembling fabrication and capacitance of manganese oxide nanosheets and functionalized carbon nanotubes hybrid material. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 429, 91-97	5.1	13

30	Graphene/vanadium oxide hybrid electrodes for electrochemical capacitor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 461, 105-112	5.1	12
29	Adsorption of lysozyme on spherical mesoporous carbons (SMCs) replicated from colloidal silica arrays by chemical vapor deposition. <i>Journal of Colloid and Interface Science</i> , 2009 , 339, 439-45	9.3	12
28	Thermodynamics and Kinetics Synergetic Phase-Engineering of Chemical Vapor Deposition Grown Single Crystal MoTe ₂ Nanosheets. <i>Crystal Growth and Design</i> , 2018 , 18, 2844-2850	3.5	11
27	Tuning the catalytic activity of colloidal noble metal nanocrystals by using differently charged surfactants. <i>Nanoscale</i> , 2018 , 10, 5607-5616	7.7	11
26	Porous PEDOT Network Coated on MoS ₂ Nanobelts toward Improving Capacitive Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12696-12705	8.3	11
25	MoS nanosheets grown on hollow carbon spheres as a strong polysulfide anchor for high performance lithium sulfur batteries. <i>Nanoscale</i> , 2020 , 12, 23636-23644	7.7	11
24	Fabrication of macroporous cadmium sulfide with three-dimensional structure by solvothermal synthesis. <i>Journal of Materials Chemistry</i> , 2001 , 11, 1778-1780		10
23	Boosting Pseudocapacitive Performance of KNb ₃ O ₈ Nanorods by Growing on Textile Carbon Cloth and Carbon Layer Coating. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 11358-11367	3.8	9
22	Few-layer and large flake size borophene: preparation with solvothermal-assisted liquid phase exfoliation.. <i>RSC Advances</i> , 2020 , 10, 27532-27537	3.7	9
21	Realizing the Intrinsic Anisotropic Growth of 1T' ReS ₂ on Selected Au(101) Substrate toward Large-Scale Single Crystal Fabrication. <i>Advanced Functional Materials</i> , 2021 , 31, 2102138	15.6	9
20	Lithium Storage in Carbon Cloth Supported KNb ₃ O ₈ Nanorods Toward a High-Performance Lithium-Ion Capacitor. <i>Small Structures</i> , 2021 , 2, 2100029	8.7	8
19	Incorporation of electroactive NiCo ₂ S ₄ and Fe ₂ O ₃ into graphene aerogel for high-energy asymmetric supercapacitor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 602, 125110	5.1	7
18	Synthesis of TiO/TiO Dual-Phase Nanofibers with Coherent Interface for Oxygen Reduction Reaction Electrocatalysts. <i>Materials</i> , 2020 , 13,	3.5	6
17	Ti ₂ Nb ₂ O ₉ /graphene hybrid anode with superior rate capability for high-energy-density sodium-ion capacitors. <i>Journal of Alloys and Compounds</i> , 2021 , 860, 158431	5.7	6
16	3D Hierarchical NiCo ₂ S ₄ Nanoparticles/Carbon Nanotube Sponge Cathode for Highly Compressible Asymmetric Supercapacitors. <i>Energy & Fuels</i> , 2021 , 35, 3449-3458	4.1	6
15	Growing Iron Oxide Nanosheets on Highly Compressible Carbon Sponge for Enhanced Capacitive Performance. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020 , 36, 1903034-0	3.8	5
14	Ti ₃ C ₂ T _x /RGO//PANI/RGO all-solid-state asymmetrical fiber supercapacitor with high energy density and superior flexibility. <i>Journal of Alloys and Compounds</i> , 2021 , 861, 157950	5.7	5
13	Filling Ti ₃ C ₂ T _x nanosheets into melamine foam towards a highly compressible all-in-one supercapacitor. <i>Nano Research</i> , 2022 , 15, 3254-3263	10	5

12	Design and synthesis of carbon nanofibers decorated by dual-phase TiO_2 nanoparticles with synergistic catalytic effect as high performance oxygen reduction reaction catalysts. <i>Electrochimica Acta</i> , 2020 , 344, 136120	6.7	4
11	On the growth morphology and crystallography of the epitaxial $\text{Cu}_7\text{Te}_4/\text{CdTe}$ interface. <i>CrystEngComm</i> , 2018 , 20, 1050-1056	3.3	3
10	Supercapacitors: Electrode Materials Aspects 2011 ,		3
9	Synthesis of Titanium Molybdenum Nitride-Decorated Electrospun Carbon Nanofiber Membranes as Interlayers to Suppress Polysulfide Shuttling in Lithium Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	3
8	$\text{Ti}_3\text{C}_2\text{Tx}$ /aramid film electrode with high capacitance and good mechanical strength and the assembled wide temperature all-solid-state symmetrical supercapacitor. <i>Journal of Power Sources</i> , 2022 , 520, 230899	8.9	3
7	Ultrahigh-energy sodium ion capacitors enabled by the enhanced intercalation pseudocapacitance of self-standing TiNbO/CNF anodes. <i>Nanoscale</i> , 2021 , 13, 15781-15788	7.7	3
6	Cotton fabric-derived hybrid carbon network with N-doped carbon nanotubes grown vertically as flexible multifunctional electrodes for high-rate capacitive energy storage. <i>Journal of Power Sources</i> , 2021 , 507, 230303	8.9	3
5	Vapor-phase polymerization of fibrous PEDOT on carbon fibers film for fast pseudocapacitive energy storage. <i>Applied Surface Science</i> , 2022 , 153684	6.7	3
4	Hydrothermal etching preparation and growth process of MnOOH with novel hexagram morphology. <i>Solid State Sciences</i> , 2015 , 42, 30-36	3.4	2
3	Supercapacitors: Electrode Materials Aspects 2011 ,		2
2	Formation Mechanism of Nitrogen-Doped Titanium Monoxide Nanospheres and Their Application as Sulfur Hosts in Lithium Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 5713-5726	6.1	1
1	Lithium Storage in Carbon Cloth-Supported KNb_3O_8 Nanorods Toward a High-Performance Lithium-Ion Capacitor. <i>Small Structures</i> , 2021 , 2, 2170021	8.7	1