

Xiong Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

130
papers

7,160
citations

46
h-index

82
g-index

134
ext. papers

8,362
ext. citations

7.2
avg, IF

6.28
L-index

#	Paper	IF	Citations
130	High performance supercapacitors based on reduced graphene oxide in aqueous and ionic liquid electrolytes. <i>Carbon</i> , 2011 , 49, 573-580	10.4	555
129	Enhanced capacitance and rate capability of graphene/polypyrrole composite as electrode material for supercapacitors. <i>Journal of Power Sources</i> , 2011 , 196, 5990-5996	8.9	477
128	Chemically Crosslinked Hydrogel Film Leads to Integrated Flexible Supercapacitors with Superior Performance. <i>Advanced Materials</i> , 2015 , 27, 7451-7	24	277
127	Rapid hydrothermal synthesis of hierarchical nanostructures assembled from ultrathin birnessite-type MnO ₂ nanosheets for supercapacitor applications. <i>Electrochimica Acta</i> , 2013 , 89, 523-529	6.7	256
126	Shape-Controlled Synthesis of 3D Hierarchical MnO ₂ Nanostructures for Electrochemical Supercapacitors. <i>Crystal Growth and Design</i> , 2009 , 9, 528-533	3.5	240
125	Stable dispersions of graphene and highly conducting graphene films: a new approach to creating colloids of graphene monolayers. <i>Chemical Communications</i> , 2009 , 4527-9	5.8	232
124	Electrophoretic deposition of graphene nanosheets on nickel foams for electrochemical capacitors. <i>Journal of Power Sources</i> , 2010 , 195, 3031-3035	8.9	222
123	Synthesis of a novel polyaniline-intercalated layered manganese oxide nanocomposite as electrode material for electrochemical capacitor. <i>Journal of Power Sources</i> , 2007 , 173, 1017-1023	8.9	202
122	Flexible Solid-State Supercapacitors with Enhanced Performance from Hierarchically Graphene Nanocomposite Electrodes and Ionic Liquid Incorporated Gel Polymer Electrolyte. <i>Advanced Functional Materials</i> , 2018 , 28, 1704463	15.6	184
121	Recent advances in porous graphene materials for supercapacitor applications. <i>RSC Advances</i> , 2014 , 4, 45862-45884	3.7	179
120	One-step electrophoretic deposition of reduced graphene oxide and Ni(OH) ₂ composite films for controlled syntheses supercapacitor electrodes. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 1616-27	3.4	168
119	Scalable Self-Propagating High-Temperature Synthesis of Graphene for Supercapacitors with Superior Power Density and Cyclic Stability. <i>Advanced Materials</i> , 2017 , 29, 1604690	24	154
118	Binder-free 2D titanium carbide (MXene)/carbon nanotube composites for high-performance lithium-ion capacitors. <i>Nanoscale</i> , 2018 , 10, 5906-5913	7.7	153
117	High-performance supercapacitors based on a graphene-activated carbon composite prepared by chemical activation. <i>RSC Advances</i> , 2012 , 2, 7747	3.7	132
116	High Performance Lithium-Ion Hybrid Capacitors Employing FeO-Graphene Composite Anode and Activated Carbon Cathode. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 17136-17144	9.5	130
115	High performance lithium-ion hybrid capacitors with pre-lithiated hard carbon anodes and bifunctional cathode electrodes. <i>Journal of Power Sources</i> , 2014 , 270, 318-325	8.9	127
114	High-Performance Cable-Type Flexible Rechargeable Zn Battery Based on MnO@CNT Fiber Microelectrode. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24573-24582	9.5	122

113	Flexible solid-state supercapacitors based on a conducting polymer hydrogel with enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19726-19732	13	108
112	Electrochemical performances and capacity fading behaviors of activated carbon/hard carbon lithium ion capacitor. <i>Electrochimica Acta</i> , 2017 , 235, 158-166	6.7	96
111	Facile and low-cost fabrication of nanostructured NiCo ₂ O ₄ spinel with high specific capacitance and excellent cycle stability. <i>Electrochimica Acta</i> , 2012 , 63, 220-227	6.7	88
110	Ethylene Glycol Intercalated Cobalt/Nickel Layered Double Hydroxide Nanosheet Assemblies with Ultrahigh Specific Capacitance: Structural Design and Green Synthesis for Advanced Electrochemical Storage. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19601-10	9.5	79
109	High-power and long-life lithium-ion capacitors constructed from N-doped hierarchical carbon nanolayer cathode and mesoporous graphene anode. <i>Carbon</i> , 2018 , 140, 237-248	10.4	79
108	One-step solvothermal synthesis of graphene/Mn ₃ O ₄ nanocomposites and their electrochemical properties for supercapacitors. <i>Materials Letters</i> , 2012 , 68, 336-339	3.3	79
107	Microwave-assisted reflux rapid synthesis of MnO ₂ nanostructures and their application in supercapacitors. <i>Electrochimica Acta</i> , 2013 , 87, 637-644	6.7	78
106	Electrochemical reduction of graphene oxide films: Preparation, characterization and their electrochemical properties. <i>Science Bulletin</i> , 2012 , 57, 3045-3050		77
105	High-power lithium-ion hybrid supercapacitor enabled by holey carbon nanolayers with targeted porosity. <i>Journal of Power Sources</i> , 2018 , 400, 468-477	8.9	76
104	An environment-friendly route to synthesize reduced graphene oxide as a supercapacitor electrode material. <i>Electrochimica Acta</i> , 2012 , 69, 364-370	6.7	70
103	Synthesis and characterization of MnO ₂ nanowires: Self-assembly and phase transformation to MnO ₂ microcrystals. <i>Journal of Crystal Growth</i> , 2008 , 310, 716-722	1.6	69
102	High-efficiency sacrificial prelithiation of lithium-ion capacitors with superior energy-storage performance. <i>Energy Storage Materials</i> , 2020 , 24, 160-166	19.4	68
101	Rational design of nano-architecture composite hydrogel electrode towards high performance Zn-ion hybrid cell. <i>Nanoscale</i> , 2018 , 10, 13083-13091	7.7	66
100	Shape-controlled synthesis of nanocarbons through direct conversion of carbon dioxide. <i>Scientific Reports</i> , 2013 , 3, 3534	4.9	63
99	Preparation and pseudo-capacitance of birnessite-type MnO ₂ nanostructures via microwave-assisted emulsion method. <i>Materials Chemistry and Physics</i> , 2009 , 118, 303-307	4.4	62
98	A two-step method for preparing Li ₄ Ti ₅ O ₁₂ /graphene as an anode material for lithium-ion hybrid capacitors. <i>RSC Advances</i> , 2015 , 5, 94361-94368	3.7	60
97	Development of redox deposition of birnessite-type MnO ₂ on activated carbon as high-performance electrode for hybrid supercapacitors. <i>Materials Chemistry and Physics</i> , 2012 , 137, 290-296	4.4	58
96	Solution-combustion synthesis of MnO ₂ for supercapacitors. <i>Materials Letters</i> , 2010 , 64, 61-64	3.3	58

95	Scalable combustion synthesis of graphene-welded activated carbon for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2021 , 414, 128781	14.7	58
94	One-pot hydrothermal synthesis of ruthenium oxide nanodots on reduced graphene oxide sheets for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2012 , 511, 251-256	5.7	55
93	Recent advances in prelithiation materials and approaches for lithium-ion batteries and capacitors. <i>Energy Storage Materials</i> , 2020 , 32, 497-516	19.4	55
92	Self-generating graphene and porous nanocarbon composites for capacitive energy storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11277-11286	13	54
91	A comparative study of activated carbon-based symmetric supercapacitors in Li ₂ SO ₄ and KOH aqueous electrolytes. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 2597-2603	2.6	54
90	Comparative performance of birnessite-type MnO ₂ nanoplates and octahedral molecular sieve (OMS-5) nanobelts of manganese dioxide as electrode materials for supercapacitor application. <i>Electrochimica Acta</i> , 2014 , 132, 315-322	6.7	53
89	Conducting polymer hydrogel materials for high-performance flexible solid-state supercapacitors. <i>Science China Materials</i> , 2016 , 59, 412-420	7.1	53
88	Improving anode performances of lithium-ion capacitors employing carbon/Bi composites. <i>Rare Metals</i> , 2019 , 38, 1113-1123	5.5	52
87	Cationic intermediates assisted self-assembly two-dimensional Ti ₃ C ₂ T _x /rGO hybrid nanoflakes for advanced lithium-ion capacitors. <i>Science Bulletin</i> , 2021 , 66, 914-924	10.6	51
86	High-Performance Lithium-Ion Capacitors Based on CoO-Graphene Composite Anode and Holey Carbon Nanolayer Cathode. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 11275-11283	8.3	50
85	Large-scale production of nanographene sheets with a controlled mesoporous architecture as high-performance electrochemical electrode materials. <i>ChemSusChem</i> , 2013 , 6, 1084-90	8.3	46
84	Layer-by-layer self-assembly of manganese oxide nanosheets/polyethylenimine multilayer films as electrodes for supercapacitors. <i>Journal of Power Sources</i> , 2008 , 184, 695-700	8.9	45
83	A 29.3 Wh kg ⁻¹ and 6 kW kg ⁻¹ pouch-type lithium-ion capacitor based on SiO _x /graphite composite anode. <i>Journal of Power Sources</i> , 2019 , 414, 293-301	8.9	45
82	Recent advances in carbon nanostructures prepared from carbon dioxide for high-performance supercapacitors. <i>Journal of Energy Chemistry</i> , 2021 , 54, 352-367	12	44
81	Graphene-Based Hierarchically Micro/Mesoporous Nanocomposites as Sulfur Immobilizers for High-Performance Lithium/Sulfur Batteries. <i>Chemistry of Materials</i> , 2016 , 28, 7864-7871	9.6	43
80	Self-template route to MnO ₂ hollow structures for supercapacitors. <i>Materials Letters</i> , 2010 , 64, 1480-1483	9.3	42
79	Three dimensional graphene networks for supercapacitor electrode materials. <i>New Carbon Materials</i> , 2015 , 30, 193-206	4.4	40
78	Online parameters identification and state of charge estimation for lithium-ion capacitor based on improved Cubature Kalman filter. <i>Journal of Energy Storage</i> , 2019 , 24, 100810	7.8	38

77	Intercalation of methylene blue into layered manganese oxide and application of the resulting material in a reagentless hydrogen peroxide biosensor. <i>Sensors and Actuators B: Chemical</i> , 2008 , 129, 784-789	8.5	38
76	Room temperature synthesis of Mn ₃ O ₄ nanoparticles: characterization, electrochemical properties and hydrothermal transformation to γ -MnO ₂ nanorods. <i>Materials Letters</i> , 2013 , 92, 401-404	3.3	37
75	(LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ + AC)/graphite hybrid energy storage device with high specific energy and high rate capability. <i>Journal of Power Sources</i> , 2013 , 243, 361-368	8.9	36
74	The Role of Pre-Lithiation in Activated Carbon/Li ₄ Ti ₅ O ₁₂ Asymmetric Capacitors. <i>Electrochimica Acta</i> , 2017 , 236, 443-450	6.7	35
73	Microwave-assisted rapid synthesis of birnessite-type MnO ₂ nanoparticles for high performance supercapacitor applications. <i>Materials Research Bulletin</i> , 2015 , 71, 111-115	5.1	35
72	Enhanced capacitance supercapacitor electrodes from porous carbons with high mesoporous volume. <i>Electrochimica Acta</i> , 2015 , 184, 347-355	6.7	35
71	Synthesis of Polypyrrole-Intercalated Layered Manganese Oxide Nanocomposite by a Delamination-Reassembling Method and Its Electrochemical Capacitance Performance. <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, A95		35
70	Facile fabrication of ethylene glycol intercalated cobalt-nickel layered double hydroxide nanosheets supported on nickel foam as flexible binder-free electrodes for advanced electrochemical energy storage. <i>Electrochimica Acta</i> , 2016 , 191, 329-336	6.7	31
69	Graphene and maghemite composites based supercapacitors delivering high volumetric capacitance and extraordinary cycling stability. <i>Electrochimica Acta</i> , 2015 , 156, 70-76	6.7	30
68	Effects of Separator on the Electrochemical Performance of Electrical Double-Layer Capacitor and Hybrid Battery-Supercapacitor. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2014 , 30, 485-491	3.8	30
67	Recent Advances in MXenes for Lithium-Ion Capacitors. <i>ACS Omega</i> , 2020 , 5, 75-82	3.9	30
66	Accordion-like titanium carbide (MXene) with high crystallinity as fast intercalative anode for high-rate lithium-ion capacitors. <i>Chinese Chemical Letters</i> , 2020 , 31, 1009-1013	8.1	30
65	Tetrabutylammonium-Intercalated 1T-MoS ₂ Nanosheets with Expanded Interlayer Spacing Vertically Coupled on 2D Delaminated MXene for High-Performance Lithium-Ion Capacitors. <i>Advanced Functional Materials</i> , 2021 , 31, 2104286	15.6	29
64	Recent progress of graphene-based materials in lithium-ion capacitors. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 143001	3	28
63	Boosting solid-state flexible supercapacitors by employing tailored hierarchical carbon electrodes and a high-voltage organic gel electrolyte. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24979-24987	13	28
62	Leakage current and self-discharge in lithium-ion capacitor. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 850, 113386	4.1	27
61	Scalable Production of Wearable Solid-State Li-Ion Capacitors from N-Doped Hierarchical Carbon. <i>Advanced Materials</i> , 2020 , 32, e2005531	24	26
60	Strategies to Boost Ionic Conductivity and Interface Compatibility of Inorganic - Organic Solid Composite Electrolytes. <i>Energy Storage Materials</i> , 2021 , 36, 291-308	19.4	26

59	High power density of graphene-based supercapacitors in ionic liquid electrolytes. <i>Materials Letters</i> , 2012 , 68, 475-477	3.3	24
58	High performance supercapacitor electrodes based on deoxygenated graphite oxide by ball milling. <i>Electrochimica Acta</i> , 2013 , 109, 874-880	6.7	24
57	Direct electrochemistry and electrocatalysis with horseradish peroxidase immobilized in polyquaternium-manganese oxide nanosheet nanocomposite films. <i>Sensors and Actuators B: Chemical</i> , 2008 , 134, 182-188	8.5	24
56	Application of a novel binder for activated carbon-based electrical double layer capacitors with nonaqueous electrolytes. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 2035-2042	2.6	22
55	Supercapacitor electrodes with especially high rate capability and cyclability based on a novel Pt nanosphere and cysteine-generated graphene. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 10899-9033	3.6	18
54	Effect of high magnetic field annealing on the microstructure and magnetic properties of CoFe layered double hydroxide. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 3023-3027	2.8	18
53	A general route for the mass production of graphene-enhanced carbon composites toward practical pouch lithium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 15654-15664	13	18
52	Remaining useful life prediction based on denoising technique and deep neural network for lithium-ion capacitors. <i>ETransportation</i> , 2020 , 5, 100078	12.7	17
51	Electrochemical impedance spectroscopy study of lithium-ion capacitors: Modeling and capacity fading mechanism. <i>Journal of Power Sources</i> , 2021 , 488, 229454	8.9	17
50	High-capacity nanocarbon anodes for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2015 , 622, 783-788	5.7	16
49	Structural evolution of mesoporous graphene/LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ composite cathode for Li-ion battery. <i>Rare Metals</i> , 2021 , 40, 521-528	5.5	16
48	Temperature effect on electrochemical performances of Li-ion hybrid capacitors. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 2501-2506	2.6	15
47	Carbon-coated Li ₃ VO ₄ with optimized structure as high capacity anode material for lithium-ion capacitors. <i>Chinese Chemical Letters</i> , 2020 , 31, 2225-2229	8.1	15
46	Rapid synthesis of ultrafine NiCo ₂ O ₄ nanoparticles loaded carbon nanotubes for lithium ion battery anode materials. <i>Chemical Physics Letters</i> , 2019 , 715, 278-283	2.5	15
45	Fast Charging Anode Materials for Lithium-Ion Batteries: Current Status and Perspectives. <i>Advanced Functional Materials</i> , 2020 , 30, 200796	15.6	15
44	Controllable synthesis of alpha-MnO ₂ nanostructures and phase transformation to beta-MnO ₂ microcrystals by hydrothermal crystallization. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 898-904	1.3	14
43	Biopolymer-manganese oxide nanoflake nanocomposite films fabricated by electrostatic layer-by-layer assembly. <i>Materials Science and Engineering C</i> , 2009 , 29, 284-287	8.3	14
42	Fabrication and characterization of a novel inorganic MnO ₂ /LDHs multilayer thin film via a layer-by-layer self-assembly method. <i>Materials Letters</i> , 2008 , 62, 1613-1616	3.3	14

41	Effects of carbon black on the electrochemical performances of SiO anode for lithium-ion capacitors. <i>Journal of Power Sources</i> , 2021 , 499, 229936	8.9	13
40	A safe, low-cost and high-efficiency presodiation strategy for pouch-type sodium-ion capacitors with high energy density. <i>Journal of Energy Chemistry</i> , 2022 , 64, 442-450	12	13
39	Experimental study of thermal charge/discharge behaviors of pouch lithium-ion capacitors. <i>Journal of Energy Storage</i> , 2019 , 25, 100902	7.8	12
38	N-doping Hierarchical Porosity Carbon from Biowaste for High-Rate Supercapacitive Application. <i>ChemistrySelect</i> , 2017 , 2, 6194-6199	1.8	12
37	Equivalent circuit models and parameter identification methods for lithium-ion capacitors. <i>Journal of Energy Storage</i> , 2019 , 24, 100762	7.8	11
36	Dandelion-like cobalt hydroxide nanostructures: morphological evolution, soft template effect and supercapacitive application. <i>RSC Advances</i> , 2014 , 4, 59603-59613	3.7	11
35	Low-temperature hydrothermal synthesis of β -MnO ₂ three-dimensional nanostructures. <i>Materials Letters</i> , 2010 , 64, 583-585	3.3	11
34	Microwave-assisted synthesis of 3D flowerlike β -Ni(OH) ₂ nanostructures for supercapacitor application. <i>Science China Technological Sciences</i> , 2015 , 58, 1871-1876	3.5	10
33	Soft template-assisted synthesis of single crystalline β -cobalt hydroxide with distinct morphologies. <i>CrystEngComm</i> , 2014 , 16, 7478	3.3	9
32	Increased electrochemical properties of ruthenium oxide and graphene/ruthenium oxide hybrid dispersed by polyvinylpyrrolidone. <i>Journal of Alloys and Compounds</i> , 2012 , 541, 415-420	5.7	9
31	Ferromagnetism in sub-micron scale BiFeO ₃ . <i>Materials Letters</i> , 2011 , 65, 3309-3312	3.3	9
30	Hydrothermal-reduction synthesis of manganese oxide nanomaterials for electrochemical supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 7711-4	1.3	9
29	Activated Carbon-Based Supercapacitors Using Li ₂ SO ₄ Aqueous Electrolyte. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2012 , 28, 367-372	3.8	9
28	High-performance solid-state Zn batteries based on a free-standing organic cathode and metal Zn anode with an ordered nano-architecture. <i>Nanoscale Advances</i> , 2020 , 2, 296-303	5.1	9
27	Experimental Investigation of Electrochemical Impedance Spectroscopy of Electrical Double Layer Capacitor. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2014 , 30, 2071-2076	3.8	8
26	Electrophoretic Deposition of a Thick Film of Layered Manganese Oxide. <i>Chemistry Letters</i> , 2007 , 36, 1228-1229	1.7	8
25	Direct Electrochemistry of Myoglobin in MnO ₂ Nanosheet Film. <i>Chemistry Letters</i> , 2007 , 36, 772-773	1.7	8
24	Recent Advances on Carbon-Based Materials for High Performance Lithium-Ion Capacitors. <i>Batteries and Supercaps</i> , 2021 , 4, 407-428	5.6	8

23	One-pot hydrothermal synthesis of γ -MnO ₂ crystals and their magnetic properties. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 1626-1631	3.9	7
22	Anomalous diffusion models in frequency-domain characterization of lithium-ion capacitors. <i>Journal of Power Sources</i> , 2021 , 490, 229332	8.9	7
21	Improvement of the high-rate capability of LiNi 1/3 Co 1/3 Mn 1/3 O ₂ cathode by adding highly electroconductive and mesoporous graphene. <i>Journal of Alloys and Compounds</i> , 2018 , 758, 206-213	5.7	7
20	Segmented bi-material cathodes to boost the lithium-ion battery-capacitors. <i>Journal of Power Sources</i> , 2020 , 478, 228994	8.9	6
19	Nitrogen-doped holey graphene nanoscrolls for high-energy and high-power supercapacitors. <i>Chinese Chemical Letters</i> , 2021 , 32, 914-917	8.1	5
18	Nitrogen-enriched graphene framework from a large-scale magnesiothermic conversion of CO ₂ with synergistic kinetics for high-power lithium-ion capacitors. <i>NPG Asia Materials</i> , 2021 , 13,	10.3	5
17	Facile fabrication of nanostructured NiCo ₂ O ₄ supported on Ni foam for high performance electrochemical energy storage. <i>RSC Advances</i> , 2015 , 5, 80620-80624	3.7	4
16	Sodium manganese oxide nanobelts with a 2 x 4 tunnel structure: one-step hydrothermal synthesis and electrocatalytic properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 5860-4	1.3	4
15	A presodiation strategy with high efficiency by utilizing low-price and eco-friendly Na ₂ CO ₃ as the sacrificial salt towards high-performance pouch sodium-ion capacitors. <i>Journal of Power Sources</i> , 2021 , 515, 230628	8.9	4
14	Scalable fabrication of in-plane microscale self-powered integrated systems for fast-response and highly selective dual-channel gas detection. <i>Nano Energy</i> , 2021 , 88, 106253	17.1	4
13	Rapid Ion Transport Induced by the Enhanced Interaction in Composite Polymer Electrolyte for All-Solid-State Lithium-Metal Batteries. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 10603-10609	6.4	3
12	Fibrous and flexible electrodes comprising hierarchical nanostructure graphene for supercapacitors. <i>Micro and Nano Letters</i> , 2020 , 15, 992-996	0.9	3
11	Organic Electrolytes for Activated Carbon-Based Supercapacitors with Flexible Package. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2013 , 29, 1998-2004	3.8	2
10	Design of a fast-charge lithium-ion capacitor pack for automated guided vehicle. <i>Journal of Energy Storage</i> , 2022 , 48, 104045	7.8	2
9	Tuning Inactive Phases in Si-Ti-B Ternary Alloy Anodes to Achieve Stable Cycling for High-Energy-Density Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57317-57325	9.5	2
8	2D Graphene/MnO Heterostructure with Strongly Stable Interface Enabling High-Performance Flexible Solid-state Lithium-Ion Capacitors. <i>Advanced Functional Materials</i> , 2022 , 34, 2202342	15.6	2
7	Fibrous and flexible supercapacitors with a hierarchical nanostructure comprised of carbon spheres and graphene 2013 ,		1
6	Additives to propylene carbonate-based electrolytes for lithium-ion capacitors. <i>Rare Metals</i> , 2022 , 41, 1304	5.5	1

5	A Fast and Scalable Pre-Lithiation Approach for Practical Large-Capacity Lithium-Ion Capacitors. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 110540	3.9	1
4	Deoxygenated porous carbon with highly stable electrochemical reaction interface for practical high-performance lithium-ion capacitors. <i>Journal Physics D: Applied Physics</i> , 2022 , 55, 045501	3	1
3	Advanced Fractional-order Lithium-ion Capacitor Model with Time-domain Parameter Identification Method. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	0
2	Magnesiothermic sequestration of CO ₂ into carbon nanomaterials for electrochemical energy storage: A mini review. <i>Electrochemistry Communications</i> , 2021 , 130, 107109	5.1	0
1	Tunable alignment and properties of Fe ₃ O ₄ /natural rubber nanocomposites. <i>Iranian Polymer Journal (English Edition)</i> ,1	2.3	