

# Xian-Zhong Sun

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2880993/xian-zhong-sun-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

140  
papers

7,213  
citations

47  
h-index

82  
g-index

148  
ext. papers

8,363  
ext. citations

6.7  
avg, IF

6.24  
L-index

#	Paper	IF	Citations
140	High performance supercapacitors based on reduced graphene oxide in aqueous and ionic liquid electrolytes. <i>Carbon</i> , <b>2011</b> , 49, 573-580	10.4	555
139	Enhanced capacitance and rate capability of graphene/polypyrrole composite as electrode material for supercapacitors. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 5990-5996	8.9	477
138	Chemically Crosslinked Hydrogel Film Leads to Integrated Flexible Supercapacitors with Superior Performance. <i>Advanced Materials</i> , <b>2015</b> , 27, 7451-7	24	277
137	Rapid hydrothermal synthesis of hierarchical nanostructures assembled from ultrathin birnessite-type MnO <sub>2</sub> nanosheets for supercapacitor applications. <i>Electrochimica Acta</i> , <b>2013</b> , 89, 523-529	6.7	256
136	Shape-Controlled Synthesis of 3D Hierarchical MnO <sub>2</sub> Nanostructures for Electrochemical Supercapacitors. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 528-533	3.5	240
135	Electrophoretic deposition of graphene nanosheets on nickel foams for electrochemical capacitors. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 3031-3035	8.9	222
134	Synthesis of a novel polyaniline-intercalated layered manganese oxide nanocomposite as electrode material for electrochemical capacitor. <i>Journal of Power Sources</i> , <b>2007</b> , 173, 1017-1023	8.9	202
133	Flexible Solid-State Supercapacitors with Enhanced Performance from Hierarchically Graphene Nanocomposite Electrodes and Ionic Liquid Incorporated Gel Polymer Electrolyte. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1704463	15.6	184
132	Recent advances in porous graphene materials for supercapacitor applications. <i>RSC Advances</i> , <b>2014</b> , 4, 45862-45884	3.7	179
131	One-step electrophoretic deposition of reduced graphene oxide and Ni(OH) <sub>2</sub> composite films for controlled syntheses supercapacitor electrodes. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 1616-27	3.4	168
130	Scalable Self-Propagating High-Temperature Synthesis of Graphene for Supercapacitors with Superior Power Density and Cyclic Stability. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604690	24	154
129	Binder-free 2D titanium carbide (MXene)/carbon nanotube composites for high-performance lithium-ion capacitors. <i>Nanoscale</i> , <b>2018</b> , 10, 5906-5913	7.7	153
128	High-performance supercapacitors based on a graphene-activated carbon composite prepared by chemical activation. <i>RSC Advances</i> , <b>2012</b> , 2, 7747	3.7	132
127	High Performance Lithium-Ion Hybrid Capacitors Employing FeO-Graphene Composite Anode and Activated Carbon Cathode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 17136-17144	9.5	130
126	High performance lithium-ion hybrid capacitors with pre-lithiated hard carbon anodes and bifunctional cathode electrodes. <i>Journal of Power Sources</i> , <b>2014</b> , 270, 318-325	8.9	127
125	High-Performance Cable-Type Flexible Rechargeable Zn Battery Based on MnO@CNT Fiber Microelectrode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24573-24582	9.5	122
124	Flexible solid-state supercapacitors based on a conducting polymer hydrogel with enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 19726-19732	13	108

123	Electrochemical performances and capacity fading behaviors of activated carbon/hard carbon lithium ion capacitor. <i>Electrochimica Acta</i> , <b>2017</b> , 235, 158-166	6.7	96
122	Facile and low-cost fabrication of nanostructured NiCo <sub>2</sub> O <sub>4</sub> spinel with high specific capacitance and excellent cycle stability. <i>Electrochimica Acta</i> , <b>2012</b> , 63, 220-227	6.7	88
121	Synthesis and Photoluminescence Properties of Porous Silicon Nanowire Arrays. <i>Nanoscale Research Letters</i> , <b>2010</b> , 5, 1822-1828	5	82
120	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 &amp; Interfaces</i> , <b>2015</b> , 7, 19601-10	9.5	79
119	High-power and long-life lithium-ion capacitors constructed from N-doped hierarchical carbon nanolayer cathode and mesoporous graphene anode. <i>Carbon</i> , <b>2018</b> , 140, 237-248	10.4	79
118	One-step solvothermal synthesis of graphene/Mn <sub>3</sub> O <sub>4</sub> nanocomposites and their electrochemical properties for supercapacitors. <i>Materials Letters</i> , <b>2012</b> , 68, 336-339	3.3	79
117	Microwave-assisted reflux rapid synthesis of MnO <sub>2</sub> nanostructures and their application in supercapacitors. <i>Electrochimica Acta</i> , <b>2013</b> , 87, 637-644	6.7	78
116	Electrochemical reduction of graphene oxide films: Preparation, characterization and their electrochemical properties. <i>Science Bulletin</i> , <b>2012</b> , 57, 3045-3050		77
115	High-power lithium-ion hybrid supercapacitor enabled by holey carbon nanolayers with targeted porosity. <i>Journal of Power Sources</i> , <b>2018</b> , 400, 468-477	8.9	76
114	An environment-friendly route to synthesize reduced graphene oxide as a supercapacitor electrode material. <i>Electrochimica Acta</i> , <b>2012</b> , 69, 364-370	6.7	70
113	Synthesis and characterization of MnO <sub>2</sub> nanowires: Self-assembly and phase transformation to MnO <sub>2</sub> microcrystals. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 716-722	1.6	69
112	High-efficiency sacrificial prelithiation of lithium-ion capacitors with superior energy-storage performance. <i>Energy Storage Materials</i> , <b>2020</b> , 24, 160-166	19.4	68
111	Rational design of nano-architecture composite hydrogel electrode towards high performance Zn-ion hybrid cell. <i>Nanoscale</i> , <b>2018</b> , 10, 13083-13091	7.7	66
110	Shape-controlled synthesis of nanocarbons through direct conversion of carbon dioxide. <i>Scientific Reports</i> , <b>2013</b> , 3, 3534	4.9	63
109	Preparation and pseudo-capacitance of birnessite-type MnO <sub>2</sub> nanostructures via microwave-assisted emulsion method. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 118, 303-307	4.4	62
108	A two-step method for preparing Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /graphene as an anode material for lithium-ion hybrid capacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 94361-94368	3.7	60
107	Development of redox deposition of birnessite-type MnO <sub>2</sub> on activated carbon as high-performance electrode for hybrid supercapacitors. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 137, 290-296	4.4	58
106	Solution-combustion synthesis of MnO <sub>2</sub> for supercapacitors. <i>Materials Letters</i> , <b>2010</b> , 64, 61-64	3.3	58

105	Hydrogen-bonding organization of (4,4) coordination layers into a 3-D molecular architecture with channels clathrating guest molecules [Cu(tdc)(bpy)(H <sub>2</sub> O)](bpy) (tdc=thiophene-2,5-dicarboxylate; bpy=4,4'-bipyridine). <i>Inorganic Chemistry Communication</i> , <b>2003</b> , 6, 1412-1414	3.1	58
104	Scalable combustion synthesis of graphene-welded activated carbon for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , <b>2021</b> , 414, 128781	14.7	58
103	One-pot hydrothermal synthesis of ruthenium oxide nanodots on reduced graphene oxide sheets for supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 511, 251-256	5.7	55
102	Recent advances in prelithiation materials and approaches for lithium-ion batteries and capacitors. <i>Energy Storage Materials</i> , <b>2020</b> , 32, 497-516	19.4	55
101	Self-generating graphene and porous nanocarbon composites for capacitive energy storage. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11277-11286	13	54
100	A comparative study of activated carbon-based symmetric supercapacitors in Li <sub>2</sub> SO <sub>4</sub> and KOH aqueous electrolytes. <i>Journal of Solid State Electrochemistry</i> , <b>2012</b> , 16, 2597-2603	2.6	54
99	Comparative performance of birnessite-type MnO <sub>2</sub> nanoplates and octahedral molecular sieve (OMS-5) nanobelts of manganese dioxide as electrode materials for supercapacitor application. <i>Electrochimica Acta</i> , <b>2014</b> , 132, 315-322	6.7	53
98	Conducting polymer hydrogel materials for high-performance flexible solid-state supercapacitors. <i>Science China Materials</i> , <b>2016</b> , 59, 412-420	7.1	53
97	Improving anode performances of lithium-ion capacitors employing carbon/Si composites. <i>Rare Metals</i> , <b>2019</b> , 38, 1113-1123	5.5	52
96	Cationic intermediates assisted self-assembly two-dimensional Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> /rGO hybrid nanoflakes for advanced lithium-ion capacitors. <i>Science Bulletin</i> , <b>2021</b> , 66, 914-924	10.6	51
95	High-Performance Lithium-Ion Capacitors Based on CoO-Graphene Composite Anode and Holey Carbon Nanolayer Cathode. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 11275-11283	8.3	50
94	Novel Ag/Au substrates for surface-enhanced Raman scattering. <i>Materials Letters</i> , <b>2009</b> , 63, 2306-2308	3.3	47
93	Large-scale production of nanographene sheets with a controlled mesoporous architecture as high-performance electrochemical electrode materials. <i>ChemSusChem</i> , <b>2013</b> , 6, 1084-90	8.3	46
92	Layer-by-layer self-assembly of manganese oxide nanosheets/polyethylenimine multilayer films as electrodes for supercapacitors. <i>Journal of Power Sources</i> , <b>2008</b> , 184, 695-700	8.9	45
91	A 29.3 Wh kg <sup>-1</sup> and 6 kW kg <sup>-1</sup> pouch-type lithium-ion capacitor based on SiO <sub>x</sub> /graphite composite anode. <i>Journal of Power Sources</i> , <b>2019</b> , 414, 293-301	8.9	45
90	Graphene-Based Hierarchically Micro/Mesoporous Nanocomposites as Sulfur Immobilizers for High-Performance Lithium/Sulfur Batteries. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 7864-7871	9.6	43
89	Self-template route to MnO <sub>2</sub> hollow structures for supercapacitors. <i>Materials Letters</i> , <b>2010</b> , 64, 1480-1483	3.2	42
88	Three dimensional graphene networks for supercapacitor electrode materials. <i>New Carbon Materials</i> , <b>2015</b> , 30, 193-206	4.4	40

87	Online parameters identification and state of charge estimation for lithium-ion capacitor based on improved Cubature Kalman filter. <i>Journal of Energy Storage</i> , <b>2019</b> , 24, 100810	7.8	38
86	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> , <b>2008</b> , 129, 784-789	8.5	38
85	Room temperature synthesis of Mn <sub>3</sub> O <sub>4</sub> nanoparticles: characterization, electrochemical properties and hydrothermal transformation to $\gamma$ -MnO <sub>2</sub> nanorods. <i>Materials Letters</i> , <b>2013</b> , 92, 401-404	3.3	37
84	(LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> + AC)/graphite hybrid energy storage device with high specific energy and high rate capability. <i>Journal of Power Sources</i> , <b>2013</b> , 243, 361-368	8.9	36
83	The Role of Pre-Lithiation in Activated Carbon/Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Asymmetric Capacitors. <i>Electrochimica Acta</i> , <b>2017</b> , 236, 443-450	6.7	35
82	Microwave-assisted rapid synthesis of birnessite-type MnO <sub>2</sub> nanoparticles for high performance supercapacitor applications. <i>Materials Research Bulletin</i> , <b>2015</b> , 71, 111-115	5.1	35
81	Enhanced capacitance supercapacitor electrodes from porous carbons with high mesoporous volume. <i>Electrochimica Acta</i> , <b>2015</b> , 184, 347-355	6.7	35
80	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> , <b>2009</b> , 12, A95		35
79	Fabrication of silver-coated silicon nanowire arrays for surface-enhanced Raman scattering by galvanic displacement processes. <i>Applied Surface Science</i> , <b>2009</b> , 256, 916-920	6.7	35
78	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> , <b>2016</b> , 191, 329-336	6.7	31
77	Graphene and maghemite composites based supercapacitors delivering high volumetric capacitance and extraordinary cycling stability. <i>Electrochimica Acta</i> , <b>2015</b> , 156, 70-76	6.7	30
76	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> , <b>2014</b> , 30, 485-491	3.8	30
75	Photoluminescence origins of the porous silicon nanowire arrays. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 073109	2.5	30
74	Accordion-like titanium carbide (MXene) with high crystallinity as fast intercalative anode for high-rate lithium-ion capacitors. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 1009-1013	8.1	30
73	Fabrication and characterization of polycrystalline silicon nanowires with silver-assistance by electroless deposition. <i>Applied Surface Science</i> , <b>2011</b> , 257, 3861-3866	6.7	29
72	Tetrabutylammonium-Intercalated 1T-MoS <sub>2</sub> Nanosheets with Expanded Interlayer Spacing Vertically Coupled on 2D Delaminated MXene for High-Performance Lithium-Ion Capacitors. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104286	15.6	29
71	Recent progress of graphene-based materials in lithium-ion capacitors. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 143001	3	28
70	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> , <b>2018</b> , 6, 24979-24987	13	28

69	Leakage current and self-discharge in lithium-ion capacitor. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 850, 113386	4.1	27
68	Scalable Production of Wearable Solid-State Li-Ion Capacitors from N-Doped Hierarchical Carbon. <i>Advanced Materials</i> , <b>2020</b> , 32, e2005531	24	26
67	Strategies to Boost Ionic Conductivity and Interface Compatibility of Inorganic - Organic Solid Composite Electrolytes. <i>Energy Storage Materials</i> , <b>2021</b> , 36, 291-308	19.4	26
66	High power density of graphene-based supercapacitors in ionic liquid electrolytes. <i>Materials Letters</i> , <b>2012</b> , 68, 475-477	3.3	24
65	High performance supercapacitor electrodes based on deoxygenated graphite oxide by ball milling. <i>Electrochimica Acta</i> , <b>2013</b> , 109, 874-880	6.7	24
64	Direct electrochemistry and electrocatalysis with horseradish peroxidase immobilized in polyquaternium-manganese oxide nanosheet nanocomposite films. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 134, 182-188	8.5	24
63	Investigation on the characteristics of La <sub>0.7</sub> Mg <sub>0.3</sub> Ni <sub>2.65</sub> Mn <sub>0.1</sub> Co <sub>0.75+x</sub> (x = 0.000.85) metal hydride electrode alloys for Ni/MH batteries Part II: Electrochemical performances. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 388, 109-117	5.7	24
62	Application of a novel binder for activated carbon-based electrical double layer capacitors with nonaqueous electrolytes. <i>Journal of Solid State Electrochemistry</i> , <b>2013</b> , 17, 2035-2042	2.6	22
61	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> , <b>2012</b> , 14, 10899-9033	3.6	18
60	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> , <b>2010</b> , 322, 3023-3027	2.8	18
59	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> , <b>2021</b> , 9, 15654-15664	13	18
58	Roles of sodium induced defects in CuInSe <sub>2</sub> by first principles calculation. <i>Computational Materials Science</i> , <b>2009</b> , 47, 31-34	3.2	17
57	The synthesis and photoluminescence properties of selenium-treated porous silicon nanowire arrays. <i>Nanotechnology</i> , <b>2011</b> , 22, 075203	3.4	17
56	Supramolecular architectures of metallomacrocyclic and coordination polymers with dicarboxylate and 4,4'-bis(imidazol-1-ylmethyl)biphenyl ligands. <i>Journal of Molecular Structure</i> , <b>2007</b> , 828, 10-14	3.4	17
55	Remaining useful life prediction based on denoising technique and deep neural network for lithium-ion capacitors. <i>ETransportation</i> , <b>2020</b> , 5, 100078	12.7	17
54	Electrochemical impedance spectroscopy study of lithium-ion capacitors: Modeling and capacity fading mechanism. <i>Journal of Power Sources</i> , <b>2021</b> , 488, 229454	8.9	17
53	High-capacity nanocarbon anodes for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 622, 783-788	5.7	16
52	Structural evolution of mesoporous graphene/LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> composite cathode for Li-ion battery. <i>Rare Metals</i> , <b>2021</b> , 40, 521-528	5.5	16

51	Temperature effect on electrochemical performances of Li-ion hybrid capacitors. <i>Journal of Solid State Electrochemistry</i> , <b>2015</b> , 19, 2501-2506	2.6	15
50	Carbon-coated Li <sub>3</sub> VO <sub>4</sub> with optimized structure as high capacity anode material for lithium-ion capacitors. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 2225-2229	8.1	15
49	Fast Charging Anode Materials for Lithium-Ion Batteries: Current Status and Perspectives. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2200796	15.6	15
48	Controllable synthesis of alpha-MnO <sub>2</sub> nanostructures and phase transformation to beta-MnO <sub>2</sub> microcrystals by hydrothermal crystallization. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 898-904	1.3	14
47	Biopolymer-manganese oxide nanoflake nanocomposite films fabricated by electrostatic layer-by-layer assembly. <i>Materials Science and Engineering C</i> , <b>2009</b> , 29, 284-287	8.3	14
46	Fabrication and characterization of a novel inorganic MnO <sub>2</sub> /LDHs multilayer thin film via a layer-by-layer self-assembly method. <i>Materials Letters</i> , <b>2008</b> , 62, 1613-1616	3.3	14
45	Effects of carbon black on the electrochemical performances of SiO anode for lithium-ion capacitors. <i>Journal of Power Sources</i> , <b>2021</b> , 499, 229936	8.9	13
44	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> , <b>2022</b> , 64, 442-450	12	13
43	Experimental study of thermal charge/discharge behaviors of pouch lithium-ion capacitors. <i>Journal of Energy Storage</i> , <b>2019</b> , 25, 100902	7.8	12
42	N-doping Hierarchical Porosity Carbon from Biowaste for High-Rate Supercapacitive Application. <i>ChemistrySelect</i> , <b>2017</b> , 2, 6194-6199	1.8	12
41	Equivalent circuit models and parameter identification methods for lithium-ion capacitors. <i>Journal of Energy Storage</i> , <b>2019</b> , 24, 100762	7.8	11
40	Dandelion-like cobalt hydroxide nanostructures: morphological evolution, soft template effect and supercapacitive application. <i>RSC Advances</i> , <b>2014</b> , 4, 59603-59613	3.7	11
39	Low-temperature hydrothermal synthesis of $\beta$ -MnO <sub>2</sub> three-dimensional nanostructures. <i>Materials Letters</i> , <b>2010</b> , 64, 583-585	3.3	11
38	Investigation on the characteristics of La <sub>0.7</sub> Mg <sub>0.3</sub> Ni <sub>2.65</sub> Mn <sub>0.1</sub> Co <sub>0.75+x</sub> (x = 0.00-0.85) metal hydride electrode alloys for Ni/MH batteries. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 387, 147-153	5.7	11
37	Microwave-assisted synthesis of 3D flowerlike $\beta$ -Ni(OH) <sub>2</sub> nanostructures for supercapacitor application. <i>Science China Technological Sciences</i> , <b>2015</b> , 58, 1871-1876	3.5	10
36	Growth and characterization of ZnIn <sub>2</sub> Se <sub>4</sub> buffer layer on CuInSe <sub>2</sub> thin films. <i>Journal of Crystal Growth</i> , <b>2009</b> , 312, 48-51	1.6	10
35	Soft template-assisted synthesis of single crystalline $\beta$ -cobalt hydroxide with distinct morphologies. <i>CrystEngComm</i> , <b>2014</b> , 16, 7478	3.3	9
34	Increased electrochemical properties of ruthenium oxide and graphene/ruthenium oxide hybrid dispersed by polyvinylpyrrolidone. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 541, 415-420	5.7	9

33	Ferromagnetism in sub-micron scale BiFeO <sub>3</sub> . <i>Materials Letters</i> , <b>2011</b> , 65, 3309-3312	3.3	9
32	Hydrothermal-reduction synthesis of manganese oxide nanomaterials for electrochemical supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 7711-4	1.3	9
31	Activated Carbon-Based Supercapacitors Using Li <sub>2</sub> SO <sub>4</sub> Aqueous Electrolyte. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , <b>2012</b> , 28, 367-372	3.8	9
30	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> , <b>2020</b> , 2, 296-303	5.1	9
29	Experimental Investigation of Electrochemical Impedance Spectroscopy of Electrical Double Layer Capacitor. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , <b>2014</b> , 30, 2071-2076	3.8	8
28	Electrophoretic Deposition of a Thick Film of Layered Manganese Oxide. <i>Chemistry Letters</i> , <b>2007</b> , 36, 1228-1229	1.7	8
27	Direct Electrochemistry of Myoglobin in MnO <sub>2</sub> Nanosheet Film. <i>Chemistry Letters</i> , <b>2007</b> , 36, 772-773	1.7	8
26	Recent Advances on Carbon-Based Materials for High Performance Lithium-Ion Capacitors. <i>Batteries and Supercaps</i> , <b>2021</b> , 4, 407-428	5.6	8
25	One-pot hydrothermal synthesis of MnO <sub>2</sub> crystals and their magnetic properties. <i>Journal of Physics and Chemistry of Solids</i> , <b>2013</b> , 74, 1626-1631	3.9	7
24	Anomalous diffusion models in frequency-domain characterization of lithium-ion capacitors. <i>Journal of Power Sources</i> , <b>2021</b> , 490, 229332	8.9	7
23	Improvement of the high-rate capability of LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> cathode by adding highly electroconductive and mesoporous graphene. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 758, 206-213	5.7	7
22	Segmented bi-material cathodes to boost the lithium-ion battery-capacitors. <i>Journal of Power Sources</i> , <b>2020</b> , 478, 228994	8.9	6
21	Cycling stability of La-Mg-Ni-Co type hydride electrode with Al. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2006</b> , 16, 8-12	3.3	5
20	Nitrogen-enriched graphene framework from a large-scale magnesiothermic conversion of CO <sub>2</sub> with synergistic kinetics for high-power lithium-ion capacitors. <i>NPG Asia Materials</i> , <b>2021</b> , 13,	10.3	5
19	Facile fabrication of nanostructured NiCo <sub>2</sub> O <sub>4</sub> supported on Ni foam for high performance electrochemical energy storage. <i>RSC Advances</i> , <b>2015</b> , 5, 80620-80624	3.7	4
18	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> , <b>2009</b> , 9, 5860-4	1.3	4
17	Cycling stability of La-Mg-Ni-Co type hydride electrode with Al. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2006</b> , 16, s834-s838	3.3	4
16	A presodiation strategy with high efficiency by utilizing low-price and eco-friendly Na <sub>2</sub> CO <sub>3</sub> as the sacrificial salt towards high-performance pouch sodium-ion capacitors. <i>Journal of Power Sources</i> , <b>2021</b> , 515, 230628	8.9	4



15	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> , <b>2021</b> , 12, 10603-10609	6.4	3
14	Organic Electrolytes for Activated Carbon-Based Supercapacitors with Flexible Package. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2013</b> , 29, 1998-2004	3.8	2
13	2?-(Phenyl)(1-phenyl-3-methyl-5-oxo-4,5-dihydro-1H-pyrazole-4-ylidene)methyl]-1-naphthohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, o2005-o2006		2
12	1,5-Dimethyl-2-phenyl-4-[(1E)-(2-quinolyl)methylideneamino]-1H-pyrazol-3(2H)-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, o2178-o2179		2
11	Design of a fast-charge lithium-ion capacitor pack for automated guided vehicle. <i>Journal of Energy Storage</i> , <b>2022</b> , 48, 104045	7.8	2
10	2D Graphene/MnO Heterostructure with Strongly Stable Interface Enabling High-Performance Flexible Solid-state Lithium-Ion Capacitors. <i>Advanced Functional Materials</i> , 2202342	15.6	2
9	Crystal structure of N-(1,2-di(pyridin-2-yl)methyl)picolinamido-(isothiocyanato)nickel(II) sesquihydrate, Ni(NCS)(C <sub>12</sub> H <sub>10</sub> N <sub>3</sub> O) · 1.5H <sub>2</sub> O, a correction to the article [Crystal structure of 2-hydroxy-1,2-di(pyridin-2-yl)ethanone-(isothiocyanato)nickel(II) sesquihydrate, Ni(NCS)(C <sub>12</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub> ) · 1.5H <sub>2</sub> O]. <i>Kristallogr. NCS</i> 225 (2010) 41-42. <i>Zeitschrift Fur</i>	0.2	1
8	4-Hydroxy-3,5-dimethoxybenzaldehyde 3,4,5-trimethoxybenzoylhydrazone monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, o2180-o2181		1
7	catena-Poly[[[bis(3-hydroxynaphthalene-2-carboxylato)zinc(II)]-μ <sub>4</sub> ,4'-bipyridine-2N:N'] hemihydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m2238-m2240		1
6	Additives to propylene carbonate-based electrolytes for lithium-ion capacitors. <i>Rare Metals</i> , <b>2022</b> , 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> , <b>2021</b> , 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> , <b>2022</b> , 55, 045501	3	1
3	Magnesiothermic sequestration of CO <sub>2</sub> into carbon nanomaterials for electrochemical energy storage: A mini review. <i>Electrochemistry Communications</i> , <b>2021</b> , 130, 107109	5.1	0
2	Preparation of Photoluminescent Silicon Nanowires Based on Multicrystalline Silicon Wafers. <i>Materials Science Forum</i> , <b>2010</b> , 654-656, 1182-1185	0.4	
1	A two-dimensional network: poly[aqua-μ <sub>4</sub> -1,4-diazabicyclo[2.2.2]octane-μ <sub>4</sub> -terephthalato-zinc(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m2224-m2226		