Xian-Zhong Sun

List of Publications by Year
in descending order

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146 papers	9,640 citations	29994 54 h-index	38300 95 g-index
148 all docs	148 docs citations	148 times ranked	10729 citing authors

#	Article	IF	Citations
1	High performance supercapacitors based on reduced graphene oxide in aqueous and ionic liquid electrolytes. Carbon, 2011, 49, 573-580.	5.4	620
2	Enhanced capacitance and rate capability of graphene/polypyrrole composite as electrode material for supercapacitors. Journal of Power Sources, 2011, 196, 5990-5996.	4.0	528
3	Chemically Crosslinked Hydrogel Film Leads to Integrated Flexible Supercapacitors with Superior Performance. Advanced Materials, 2015, 27, 7451-7457.	11.1	386
4	Rapid hydrothermal synthesis of hierarchical nanostructures assembled from ultrathin birnessite-type MnO2 nanosheets for supercapacitor applications. Electrochimica Acta, 2013, 89, 523-529.	2.6	283
5	Shape-Controlled Synthesis of 3D Hierarchical MnO₂ Nanostructures for Electrochemical Supercapacitors. Crystal Growth and Design, 2009, 9, 528-533.	1.4	253
6	Electrophoretic deposition of graphene nanosheets on nickel foams for electrochemical capacitors. Journal of Power Sources, 2010, 195, 3031-3035.	4.0	240
7	Flexible Solidâ€State Supercapacitors with Enhanced Performance from Hierarchically Graphene Nanocomposite Electrodes and Ionic Liquid Incorporated Gel Polymer Electrolyte. Advanced Functional Materials, 2018, 28, 1704463.	7.8	239
8	Synthesis of a novel polyaniline-intercalated layered manganese oxide nanocomposite as electrode material for electrochemical capacitor. Journal of Power Sources, 2007, 173, 1017-1023.	4.0	219
9	Recent advances in porous graphene materials for supercapacitor applications. RSC Advances, 2014, 4, 45862-45884.	1.7	213
10	Binder-free 2D titanium carbide (MXene)/carbon nanotube composites for high-performance lithium-ion capacitors. Nanoscale, 2018, 10, 5906-5913.	2.8	212
11	One-Step Electrophoretic Deposition of Reduced Graphene Oxide and Ni(OH)₂ Composite Films for Controlled Syntheses Supercapacitor Electrodes. Journal of Physical Chemistry B, 2013, 117, 1616-1627.	1.2	195
12	Scalable Selfâ€Propagating Highâ€Temperature Synthesis of Graphene for Supercapacitors with Superior Power Density and Cyclic Stability. Advanced Materials, 2017, 29, 1604690.	11.1	186
13	Fast Charging Anode Materials for Lithiumâ€Ion Batteries: Current Status and Perspectives. Advanced Functional Materials, 2022, 32, .	7.8	185
14	High-Performance Cable-Type Flexible Rechargeable Zn Battery Based on MnO₂@CNT Fiber Microelectrode. ACS Applied Materials & Interfaces, 2018, 10, 24573-24582.	4.0	174
15	High performance lithium-ion hybrid capacitors with pre-lithiated hard carbon anodes and bifunctional cathode electrodes. Journal of Power Sources, 2014, 270, 318-325.	4.0	161
16	Cationic intermediates assisted self-assembly two-dimensional Ti3C2T /rGO hybrid nanoflakes for advanced lithium-ion capacitors. Science Bulletin, 2021, 66, 914-924.	4.3	161
17	High-performance supercapacitors based on a grapheneâ€“activated carbon composite prepared by chemical activation. RSC Advances, 2012, 2, 7747.	1.7	152
18	High Performance Lithium-Ion Hybrid Capacitors Employing Fe₃O₄â€“Graphene Composite Anode and Activated Carbon Cathode. ACS Applied Materials & Interfaces, 2017, 9, 17136-17144.	4.0	152

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19	Electrochemical performances and capacity fading behaviors of activated carbon/hard carbon lithium ion capacitor. Electrochimica Acta, 2017, 235, 158-166.	2.6	134
20	Scalable combustion synthesis of graphene-welded activated carbon for high-performance supercapacitors. Chemical Engineering Journal, 2021, 414, 128781.	6.6	134
21	Flexible solid-state supercapacitors based on a conducting polymer hydrogel with enhanced electrochemical performance. Journal of Materials Chemistry A, 2014, 2, 19726-19732.	5.2	132
22	Recent advances in prelithiation materials and approaches for lithium-ion batteries and capacitors. Energy Storage Materials, 2020, 32, 497-516.	9.5	125
23	High-efficiency sacrificial prelithiation of lithium-ion capacitors with superior energy-storage performance. Energy Storage Materials, 2020, 24, 160-166.	9.5	124
24	Tetrabutylammoniumâ€Intercalated 1Tâ€MoS₂ Nanosheets with Expanded Interlayer Spacing Vertically Coupled on 2D Delaminated MXene for Highâ€Performance Lithiumâ€Ion Capacitors. Advanced Functional Materials, 2021, 31, 2104286.	7.8	106
25	Shape-controlled synthesis of nanocarbons through direct conversion of carbon dioxide. Scientific Reports, 2013, 3, 3534.	1.6	104
26	High-power and long-life lithium-ion capacitors constructed from N-doped hierarchical carbon nanolayer cathode and mesoporous graphene anode. Carbon, 2018, 140, 237-248.	5.4	102
27	Ethylene Glycol Intercalated Cobalt/Nickel Layered Double Hydroxide Nanosheet Assemblies with Ultrahigh Specific Capacitance: Structural Design and Green Synthesis for Advanced Electrochemical Storage. ACS Applied Materials & Interfaces, 2015, 7, 19601-19610.	4.0	101
28	Rational design of nano-architecture composite hydrogel electrode towards high performance Zn-ion hybrid cell. Nanoscale, 2018, 10, 13083-13091.	2.8	101
29	Facile and low-cost fabrication of nanostructured NiCo2O4 spinel with high specific capacitance and excellent cycle stability. Electrochimica Acta, 2012, 63, 220-227.	2.6	96
30	Electrochemical reduction of graphene oxide films: Preparation, characterization and their electrochemical properties. Science Bulletin, 2012, 57, 3045-3050.	1.7	94
31	Synthesis and Photoluminescence Properties of Porous Silicon Nanowire Arrays. Nanoscale Research Letters, 2010, 5, 1822-1828.	3.1	93
32	High-power lithium-ion hybrid supercapacitor enabled by holey carbon nanolayers with targeted porosity. Journal of Power Sources, 2018, 400, 468-477.	4.0	93
33	One-step solvothermal synthesis of graphene/Mn3O4 nanocomposites and their electrochemical properties for supercapacitors. Materials Letters, 2012, 68, 336-339.	1.3	86
34	Microwave-assisted reflux rapid synthesis of MnO2 nanostructures and their application in supercapacitors. Electrochimica Acta, 2013, 87, 637-644.	2.6	84
35	Strategies to Boost Ionic Conductivity and Interface Compatibility of Inorganic - Organic Solid Composite Electrolytes. Energy Storage Materials, 2021, 36, 291-308.	9.5	82
36	An environment-friendly route to synthesize reduced graphene oxide as a supercapacitor electrode material. Electrochimica Acta, 2012, 69, 364-370.	2.6	81

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37	Synthesis and characterization of Î±-MnO2 nanowires: Self-assembly and phase transformation to Î²-MnO2 microcrystals. Journal of Crystal Growth, 2008, 310, 716-722.	0.7	78
38	A two-step method for preparing Li₄Ti₅O₁₂â€“graphene as an anode material for lithium-ion hybrid capacitors. RSC Advances, 2015, 5, 94361-94368.	1.7	71
39	Preparation and pseudo-capacitance of birnessite-type MnO2 nanostructures via microwave-assisted emulsion method. Materials Chemistry and Physics, 2009, 118, 303-307.	2.0	70
40	A comparative study of activated carbon-based symmetric supercapacitors in Li2SO4 and KOH aqueous electrolytes. Journal of Solid State Electrochemistry, 2012, 16, 2597-2603.	1.2	70
41	A general route for the mass production of graphene-enhanced carbon composites toward practical pouch lithium-ion capacitors. Journal of Materials Chemistry A, 2021, 9, 15654-15664.	5.2	69
42	Development of redox deposition of birnessite-type MnO2 on activated carbon as high-performance electrode for hybrid supercapacitors. Materials Chemistry and Physics, 2012, 137, 290-296.	2.0	68
43	Solution-combustion synthesis of Îµ-MnO2 for supercapacitors. Materials Letters, 2010, 64, 61-64.	1.3	66
44	Online parameters identification and state of charge estimation for lithium-ion capacitor based on improved Cubature Kalman filter. Journal of Energy Storage, 2019, 24, 100810.	3.9	66
45	One-pot hydrothermal synthesis of ruthenium oxide nanodots on reduced graphene oxide sheets for supercapacitors. Journal of Alloys and Compounds, 2012, 511, 251-256.	2.8	65
46	Improving anode performances of lithium-ion capacitors employing carbonâ€“Si composites. Rare Metals, 2019, 38, 1113-1123.	3.6	65
47	High-Performance Lithium-Ion Capacitors Based on CoO-Graphene Composite Anode and Holey Carbon Nanolayer Cathode. ACS Sustainable Chemistry and Engineering, 2019, 7, 11275-11283.	3.2	65
48	Conducting polymer hydrogel materials for high-performance flexible solid-state supercapacitors. Science China Materials, 2016, 59, 412-420.	3.5	62
49	Comparative performance of birnessite-type MnO2 nanoplates and octahedral molecular sieve (OMS-5) nanobelts of manganese dioxide as electrode materials for supercapacitor application. Electrochimica Acta, 2014, 132, 315-322.	2.6	61
50	A 29.3â€¯Wh kgâ^'1 and 6â€¯kWâ€¯kgâ^'1 pouch-type lithium-ion capacitor based on SiOx/graphite composite anode. Journal of Power Sources, 2019, 414, 293-301.	4.0	61
51	Hydrogen-bonding organization of (4,4) coordination layers into a 3-D molecular architecture with channels clathrating guest molecules [Cu(tdc)(bpy)(H2O)](bpy) (tdc=thiophine-2,5-dicarboxylate;) Tj ETQq1 1 0.784314 rgBT/Overlo	3.3	59
52	Self-generating graphene and porous nanocarbon composites for capacitive energy storage. Journal of Materials Chemistry A, 2015, 3, 11277-11286.	5.2	58
53	Scalable Production of Wearable Solidâ€State Liâ€Ion Capacitors from Nâ€Doped Hierarchical Carbon. Advanced Materials, 2020, 32, e2005531.	11.1	57
54	Remaining useful life prediction based on denoising technique and deep neural network for lithium-ion capacitors. ETransportation, 2020, 5, 100078.	6.8	56

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55	Accordion-like titanium carbide (MXene) with high crystallinity as fast intercalative anode for high-rate lithium-ion capacitors. Chinese Chemical Letters, 2020, 31, 1009-1013.	4.8	54
56	Novel Agâ€“Cu substrates for surface-enhanced Raman scattering. Materials Letters, 2009, 63, 2306-2308.	1.3	50
57	Leakage current and self-discharge in lithium-ion capacitor. Journal of Electroanalytical Chemistry, 2019, 850, 113386.	1.9	50
58	2D Graphene/MnO Heterostructure with Strongly Stable Interface Enabling Highâ€Performance Flexible Solidâ€State Lithiumâ€Ion Capacitors. Advanced Functional Materials, 2022, 32, .	7.8	50
59	Largeâ€Scale Production of Nanographene Sheets with a Controlled Mesoporous Architecture as Highâ€Performance Electrochemical Electrode Materials. ChemSusChem, 2013, 6, 1084-1090.	3.6	49
60	Three dimensional graphene networks for supercapacitor electrode materials. New Carbon Materials, 2015, 30, 193-206.	2.9	49
61	Room temperature synthesis of Mn3O4 nanoparticles: characterization, electrochemical properties and hydrothermal transformation to Î³-MnO2 nanorods. Materials Letters, 2013, 92, 401-404.	1.3	48
62	Graphene-Based Hierarchically Micro/Mesoporous Nanocomposites as Sulfur Immobilizers for High-Performance Lithiumâ€“Sulfur Batteries. Chemistry of Materials, 2016, 28, 7864-7871.	3.2	48
63	The Role of Pre-Lithiation in Activated Carbon/Li 4 Ti 5 O 12 Asymmetric Capacitors. Electrochimica Acta, 2017, 236, 443-450.	2.6	47
64	Electrochemical impedance spectroscopy study of lithium-ion capacitors: Modeling and capacity fading mechanism. Journal of Power Sources, 2021, 488, 229454.	4.0	47
65	(LiNi 0.5 Co 0.2 Mn 0.3 O 2 Â+ÂAC)/graphite hybrid energy storage device with high specific energy and high rate capability. Journal of Power Sources, 2013, 243, 361-368.	4.0	46
66	Recent advances in transition metal chalcogenides for lithium-ion capacitors. Rare Metals, 2022, 41, 2971-2984.	3.6	46
67	Layer-by-layer self-assembly of manganese oxide nanosheets/polyethylenimine multilayer films as electrodes for supercapacitors. Journal of Power Sources, 2008, 184, 695-700.	4.0	45
68	Self-template route to MnO2 hollow structures for supercapacitors. Materials Letters, 2010, 64, 1480-1482.	1.3	43
69	Effects of Separator on the Electrochemical Performance of Electrical Double-Layer Capacitor and Hybrid Battery-Supercapacitor. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2014, 30, 485-491.	2.2	43
70	Structural evolution of mesoporous graphene/LiNi1/3Co1/3Mn1/3O2 composite cathode for Liâ€“ion battery. Rare Metals, 2021, 40, 521-528.	3.6	43
71	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. Electrochimica Acta, 2016, 191, 329-336.	2.6	41
72	Intercalation of methylene blue into layered manganese oxide and application of the resulting material in a reagentless hydrogen peroxide biosensor. Sensors and Actuators B: Chemical, 2008, 129, 784-789.	4.0	40

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73	Enhanced capacitance supercapacitor electrodes from porous carbons with high mesoporous volume. Electrochimica Acta, 2015, 184, 347-355.	2.6	40
74	Microwave-assisted rapid synthesis of birnessite-type MnO2 nanoparticles for high performance supercapacitor applications. Materials Research Bulletin, 2015, 71, 111-115.	2.7	40
75	Boosting solid-state flexible supercapacitors by employing tailored hierarchical carbon electrodes and a high-voltage organic gel electrolyte. Journal of Materials Chemistry A, 2018, 6, 24979-24987.	5.2	39
76	Synthesis of Polypyrrole-Intercalated Layered Manganese Oxide Nanocomposite by a Delaminationâ•Reassembling Method and Its Electrochemical Capacitance Performance. Electrochemical and Solid-State Letters, 2009, 12, A95.	2.2	37
77	Fabrication of silver-coated silicon nanowire arrays for surface-enhanced Raman scattering by galvanic displacement processes. Applied Surface Science, 2009, 256, 916-920.	3.1	36
78	Recent progress of graphene-based materials in lithium-ion capacitors. Journal Physics D: Applied Physics, 2019, 52, 143001.	1.3	36
79	Photoluminescence origins of the porous silicon nanowire arrays. Journal of Applied Physics, 2011, 110, .	1.1	34
80	Graphene and maghemite composites based supercapacitors delivering high volumetric capacitance and extraordinary cycling stability. Electrochimica Acta, 2015, 156, 70-76.	2.6	33
81	High performance supercapacitor electrodes based on deoxygenated graphite oxide by ball milling. Electrochimica Acta, 2013, 109, 874-880.	2.6	32
82	Investigation on the characteristics of La0.7Mg0.3Ni2.65Mn0.1Co0.75+x (x = 0.00â€“0.85) metal hydride electrode alloys for Ni/MH batteries Part II: Electrochemical performances. Journal of Alloys and Compounds, 2005, 388, 109-117.	2.8	31
83	Fabrication and characterization of polycrystalline silicon nanowires with silver-assistance by electroless deposition. Applied Surface Science, 2011, 257, 3861-3866.	3.1	31
84	Application of a novel binder for activated carbon-based electrical double layer capacitors with nonaqueous electrolytes. Journal of Solid State Electrochemistry, 2013, 17, 2035-2042.	1.2	31
85	Recent Advances on Carbonâ€Based Materials for High Performance Lithiumâ€Ion Capacitors. Batteries and Supercaps, 2021, 4, 407-428.	2.4	31
86	Carbon-coated Li3VO4 with optimized structure as high capacity anode material for lithium-ion capacitors. Chinese Chemical Letters, 2020, 31, 2225-2229.	4.8	29
87	Nitrogen-enriched graphene framework from a large-scale magnesiothermic conversion of CO2 with synergistic kinetics for high-power lithium-ion capacitors. NPG Asia Materials, 2021, 13, .	3.8	29
88	High power density of graphene-based supercapacitors in ionic liquid electrolytes. Materials Letters, 2012, 68, 475-477.	1.3	28
89	Direct electrochemistry and electrocatalysis with horseradish peroxidase immobilized in polyquaternium-manganese oxide nanosheet nanocomposite films. Sensors and Actuators B: Chemical, 2008, 134, 182-188.	4.0	25
90	Effects of carbon black on the electrochemical performances of SiO anode for lithium-ion capacitors. Journal of Power Sources, 2021, 499, 229936.	4.0	25

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91	High-capacity nanocarbon anodes for lithium-ion batteries. Journal of Alloys and Compounds, 2015, 622, 783-788.	2.8	24
92	A safe, low-cost and high-efficiency presodiation strategy for pouch-type sodium-ion capacitors with high energy density. Journal of Energy Chemistry, 2022, 64, 442-450.	7.1	24
93	Supercapacitor electrodes with especially high rate capability and cyclability based on a novel Pt nanosphere and cysteine-generated graphene. Physical Chemistry Chemical Physics, 2012, 14, 10899.	1.3	23
94	Temperature effect on electrochemical performances of Li-ion hybrid capacitors. Journal of Solid State Electrochemistry, 2015, 19, 2501-2506.	1.2	23
95	Experimental study of thermal chargeâ€“discharge behaviors of pouch lithium-ion capacitors. Journal of Energy Storage, 2019, 25, 100902.	3.9	23
96	Rapid Ion Transport Induced by the Enhanced Interaction in Composite Polymer Electrolyte for All-Solid-State Lithium-Metal Batteries. Journal of Physical Chemistry Letters, 2021, 12, 10603-10609.	2.1	23
97	Equivalent circuit models and parameter identification methods for lithium-ion capacitors. Journal of Energy Storage, 2019, 24, 100762.	3.9	22
98	High-performance solid-state Zn batteries based on a free-standing organic cathode and metal Zn anode with an ordered nano-architecture. Nanoscale Advances, 2020, 2, 296-303.	2.2	21
99	Effect of high magnetic field annealing on the microstructure and magnetic properties of Coâ€“Fe layered double hydroxide. Journal of Magnetism and Magnetic Materials, 2010, 322, 3023-3027.	1.0	20
100	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. Journal of Alloys and Compounds, 2018, 758, 206-213.	2.8	20
101	Supramolecular architectures of metallomacrocyclic and coordination polymers with dicarboxylate and 4,4â€²-bis(imidazol-1-ylmethyl)biphenyl ligands. Journal of Molecular Structure, 2007, 828, 10-14.	1.8	18
102	Roles of sodium induced defects in CuInSe2 by first principles calculation. Computational Materials Science, 2009, 47, 31-34.	1.4	18
103	The synthesis and photoluminescence properties of selenium-treated porous silicon nanowire arrays. Nanotechnology, 2011, 22, 075203.	1.3	18
104	Segmented bi-material cathodes to boost the lithium-ion battery-capacitors. Journal of Power Sources, 2020, 478, 228994.	4.0	17
105	Controllable Synthesis of <I>Î±</I>-MnO₂ Nanostructures and Phase Transformation to <I>Î²</I>-MnO₂ Microcrystals by Hydrothermal Crystallization. Journal of Nanoscience and Nanotechnology, 2010, 10, 898-904.	0.9	16
106	Nâ€doping Hierarchical Porosity Carbon from Biowaste for Highâ€Rate Supercapacitive Application. ChemistrySelect, 2017, 2, 6194-6199.	0.7	16
107	Anomalous diffusion models in frequency-domain characterization of lithium-ion capacitors. Journal of Power Sources, 2021, 490, 229332.	4.0	15
108	Fabrication and characterization of a novel inorganic MnO2/LDHs multilayer thin film via a layer-by-layer self-assembly method. Materials Letters, 2008, 62, 1613-1616.	1.3	14

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109	Biopolymer-manganese oxide nanoflake nanocomposite films fabricated by electrostatic layer-by-layer assembly. Materials Science and Engineering C, 2009, 29, 284-287.	3.8	14
110	Dandelion-like cobalt hydroxide nanostructures: morphological evolution, soft template effect and supercapacitive application. RSC Advances, 2014, 4, 59603-59613.	1.7	14
111	Investigation on the characteristics of La0.7Mg0.3Ni2.65Mn0.1Co0.75+x (x = 0.00â€“0.85) metal hydride electrode alloys for Ni/MH batteries. Journal of Alloys and Compounds, 2005, 387, 147-153.	2.8	13
112	Low-temperature hydrothermal synthesis of Î±-MnO2 three-dimensional nanostructures. Materials Letters, 2010, 64, 583-585.	1.3	13
113	A presodiation strategy with high efficiency by utilizing low-price and eco-friendly Na2CO3 as the sacrificial salt towards high-performance pouch sodium-ion capacitors. Journal of Power Sources, 2021, 515, 230628.	4.0	13
114	Additives to propylene carbonate-based electrolytes for lithium-ion capacitors. Rare Metals, 2022, 41, 1304-1313.	3.6	13
115	Growth and characterization of ZnIn2Se4 buffer layer on CuInSe2 thin films. Journal of Crystal Growth, 2009, 312, 48-51.	0.7	12
116	Experimental Investigation of Electrochemical Impedance Spectroscopy of Electrical Double Layer Capacitor. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2014, 30, 2071-2076.	2.2	12
117	Activated Carbon-Based Supercapacitors Using Li₂SO₄ Aqueous Electrolyte. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2012, 28, 367-372.	2.2	12
118	Increased electrochemical properties of ruthenium oxide and graphene/ruthenium oxide hybrid dispersed by polyvinylpyrrolidone. Journal of Alloys and Compounds, 2012, 541, 415-420.	2.8	11
119	Microwave-assisted synthesis of 3D flowerlike Î±-Ni(OH)2 nanostructures for supercapacitor application. Science China Technological Sciences, 2015, 58, 1871-1876.	2.0	11
120	A Fast and Scalable Pre-Lithiation Approach for Practical Large-Capacity Lithium-Ion Capacitors. Journal of the Electrochemical Society, 2021, 168, 110540.	1.3	11
121	Ferromagnetism in sub-micron scale BiFeO3. Materials Letters, 2011, 65, 3309-3312.	1.3	10
122	Soft template-assisted synthesis of single crystalline Î²-cobalt hydroxide with distinct morphologies. CrystEngComm, 2014, 16, 7478.	1.3	10
123	Electrophoretic Deposition of a Thick Film of Layered Manganese Oxide. Chemistry Letters, 2007, 36, 1228-1229.	0.7	9
124	Hydrothermal-Reduction Synthesis of Manganese Oxide Nanomaterials for Electrochemical Supercapacitors. Journal of Nanoscience and Nanotechnology, 2010, 10, 7711-7714.	0.9	9
125	One-pot hydrothermal synthesis of Î²-MnO2 crystals and their magnetic properties. Journal of Physics and Chemistry of Solids, 2013, 74, 1626-1631.	1.9	9
126	Deoxygenated porous carbon with highly stable electrochemical reaction interface for practical high-performance lithium-ion capacitors. Journal Physics D: Applied Physics, 2022, 55, 045501.	1.3	9

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127	Direct Electrochemistry of Myoglobin in MnO2Nanosheet Film. Chemistry Letters, 2007, 36, 772-773.	0.7	8
128	Design of a fast-charge lithium-ion capacitor pack for automated guided vehicle. Journal of Energy Storage, 2022, 48, 104045.	3.9	8
129	Cycling stability of La-Mg-Ni-Co type hydride electrode with Al. Transactions of Nonferrous Metals Society of China, 2006, 16, 8-12.	1.7	7
130	Facile fabrication of nanostructured NiCo₂O₄ supported on Ni foam for high performance electrochemical energy storage. RSC Advances, 2015, 5, 80620-80624.	1.7	6
131	Cycling stability of La-Mg-Ni-Co type hydride electrode with Al. Transactions of Nonferrous Metals Society of China, 2006, 16, s834-s838.	1.7	5
132	Magnesiothermic sequestration of CO2 into carbon nanomaterials for electrochemical energy storage: A mini review. Electrochemistry Communications, 2021, 130, 107109.	2.3	5
133	Sodium Manganese Oxide Nanobelts with a 2 Ã— 4 Tunnel Structure: One-Step Hydrothermal Synthesis and Electrocatalytic Properties. Journal of Nanoscience and Nanotechnology, 2009, 9, 5860-5864.	0.9	4
134	Organic Electrolytes for Activated Carbon-Based Supercapacitors with Flexible Package. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2013, 29, 1998-2004.	2.2	4
135	catena-Poly[[[bis(3-hydroxynaphthalene-2-carboxylato)zinc(II)]-Î¼-4,4â€²-bipyridine-Îº2N:Nâ€²] hemihydrate]. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m2238-m2240.	0.2	2
136	2â€²-[(Phenyl)(1-phenyl-3-methyl-5-oxo-4,5-dihydro-1H-pyrazole-4-ylidene)methyl]-1-naphthohydrazide. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2005-o2006.	0.2	2
137	1,5-Dimethyl-2-phenyl-4-[(1E)-(2-quinolyl)methylideneamino]-1H-pyrazol-3(2H)-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2178-o2179.	0.2	2
138	4-Hydroxy-3,5-dimethoxybenzaldehyde 3,4,5-trimethoxybenzoylhydrazone monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2180-o2181.	0.2	1
139	Crystal structure of N-(1,2-di(pyridin-2-yl)methyl)picolinamido-(isothiocyanato)nickle(II) sesquihydrate, Ni(NCS)(C12H10N3O) Â· 1.5H2O, a correction to the article â€œCrystal structure of 2-hydroxy-1,2-di(pyridin-2-yl)ethanone-(isothiocyanato)nickel(II) sesquihydrate, Ni(NCS)(C12H10N2O2) Â· 1.5H2Oâ€, Z. Kristallogr. NCS 225 (2010) 41-42. Zeitschrift Fur Kristallographie - New Crystal Structures, 2010, 225, 633-635.	0.1	1
140	Experimental Study on Calendar Aging of Commercial Lithium-ion Capacitors. , 2020, , .		1
141	A two-dimensional network: poly[aqua-Î¼2-1,4-diazabicyclo[2.2.2]octane-Î¼2-terephthalato-zinc(II)]. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m2224-m2226.	0.2	0
142	catena-Poly[[[Î¼-4,4â€²-bipyridine-bis[aquazinc(II)]]-di-Î¼-benzene-1,3-dicarboxylato] dihydrate]. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m2363-m2365.	0.2	0
143	Preparation of Photoluminescent Silicon Nanowires Based on Multicrystalline Silicon Wafers. Materials Science Forum, 2010, 654-656, 1182-1185.	0.3	0
144	Design of a handheld infrared imaging device based on uncooled infrared detector. , 2017, , .		0

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145	Research on artistic gymnastics training guidance model. AIP Conference Proceedings, 2017, , .	0.3	0
146	Real-time pseudo-color processing of infrared images based on FPGA. , 2018, , .		0