

Lai-Fa Shen

List of Publications by Year in descending order

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153
papers

19,278
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12303

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times ranked

17382
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin Mesoporous NiCo ₂ O ₄ Nanosheets Supported on Ni Foam as Advanced Electrodes for Supercapacitors. <i>Advanced Functional Materials</i> , 2012, 22, 4592-4597.	7.8	1,545
2	Formation of nickel cobalt sulfide ball-in-ball hollow spheres with enhanced electrochemical pseudocapacitive properties. <i>Nature Communications</i> , 2015, 6, 6694.	5.8	1,101
3	Facile synthesis and self-assembly of hierarchical porous NiO nano/micro spherical superstructures for high performance supercapacitors. <i>Journal of Materials Chemistry</i> , 2009, 19, 5772.	6.7	830
4	Growth of ultrathin mesoporous Co ₃ O ₄ nanosheet arrays on Ni foam for high-performance electrochemical capacitors. <i>Energy and Environmental Science</i> , 2012, 5, 7883.	15.6	780
5	NiCo ₂ S ₄ Nanosheets Grown on Nitrogen-Doped Carbon Foams as an Advanced Electrode for Supercapacitors. <i>Advanced Energy Materials</i> , 2015, 5, 1400977.	10.2	729
6	Mesoporous NiCo ₂ O ₄ Nanowire Arrays Grown on Carbon Textiles as Binder-Free Flexible Electrodes for Energy Storage. <i>Advanced Functional Materials</i> , 2014, 24, 2630-2637.	7.8	718
7	Self-Templated Formation of Uniform NiCo ₂ O ₄ Hollow Spheres with Complex Interior Structures for Lithium-Ion Batteries and Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1868-1872.	7.2	713
8	Challenges and Perspectives for NASICON-Type Electrode Materials for Advanced Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1700431.	11.1	499
9	Hydrogenated Li ₄ Ti ₅ O ₁₂ Nanowire Arrays for High Rate Lithium Ion Batteries. <i>Advanced Materials</i> , 2012, 24, 6502-6506.	11.1	451
10	Flexible Hybrid Paper Made of Monolayer Co ₃ O ₄ Microsphere Arrays on rGO/CNTs and Their Application in Electrochemical Capacitors. <i>Advanced Functional Materials</i> , 2012, 22, 2560-2566.	7.8	362
11	Dual-Functionalized Double Carbon Shells Coated Silicon Nanoparticles for High Performance Lithium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1605650.	11.1	325
12	Li ₄ Ti ₅ O ₁₂ Nanoparticles Embedded in a Mesoporous Carbon Matrix as a Superior Anode Material for High Rate Lithium Ion Batteries. <i>Advanced Energy Materials</i> , 2012, 2, 691-698.	10.2	321
13	Peapod-like Li ₃ VO ₄ /N-Doped Carbon Nanowires with Pseudocapacitive Properties as Advanced Materials for High-Energy Lithium-Ion Capacitors. <i>Advanced Materials</i> , 2017, 29, 1700142.	11.1	298
14	Hierarchically structured carbon-based composites: Design, synthesis and their application in electrochemical capacitors. <i>Nanoscale</i> , 2011, 3, 529-545.	2.8	281
15	General Formation of MS (M = Ni, Cu, Mn) Box-in-Box Hollow Structures with Enhanced Pseudocapacitive Properties. <i>Advanced Functional Materials</i> , 2014, 24, 7440-7446.	7.8	281
16	Flexible Sodium-Ion Pseudocapacitors Based on 3D Na ₂ Ti ₃ O ₇ Nanosheet Arrays/Carbon Textiles Anodes. <i>Advanced Functional Materials</i> , 2016, 26, 3703-3710.	7.8	270
17	High performance lithium-sulfur batteries: advances and challenges. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12662-12676.	5.2	269
18	Facile synthesis of hierarchically porous Li ₄ Ti ₅ O ₁₂ microspheres for high rate lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2010, 20, 6998.	6.7	266

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19	Sulfur embedded in metal organic framework-derived hierarchically porous carbon nanoplates for high performance lithium-sulfur battery. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4490.	5.2	266
20	Self-Assembled Nb ₂ O ₅ Nanosheets for High Energy High Power Sodium Ion Capacitors. <i>Chemistry of Materials</i> , 2016, 28, 5753-5760.	3.2	254
21	A flexible graphene/multiwalled carbon nanotube film as a high performance electrode material for supercapacitors. <i>Electrochimica Acta</i> , 2011, 56, 5115-5121.	2.6	243
22	Facile template-free synthesis of ultralayered mesoporous nickel cobaltite nanowires towards high-performance electrochemical capacitors. <i>Journal of Materials Chemistry</i> , 2012, 22, 16084.	6.7	241
23	Prussian blue analogues: a new class of anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5852-5857.	5.2	241
24	Encapsulating Sulfur into Hierarchically Ordered Porous Carbon as a High-Performance Cathode for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2013, 19, 1013-1019.	1.7	212
25	Design and Tailoring of a Three-Dimensional TiO ₂ -Graphene-Carbon Nanotube Nanocomposite for Fast Lithium Storage. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 3096-3101.	2.1	205
26	Enhanced high-current capacitive behavior of graphene/CoAl-layered double hydroxide composites as electrode material for supercapacitors. <i>Journal of Power Sources</i> , 2012, 199, 395-401.	4.0	195
27	General Strategy for Designing Core-Shell Nanostructured Materials for High-Power Lithium Ion Batteries. <i>Nano Letters</i> , 2012, 12, 5673-5678.	4.5	193
28	Pseudocapacitive behaviours of Na ₂ Ti ₃ O ₇ @CNT coaxial nanocables for high-performance sodium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21277-21283.	5.2	187
29	Polypyrrole/carbon nanotube nanocomposite enhanced the electrochemical capacitance of flexible graphene film for supercapacitors. <i>Journal of Power Sources</i> , 2012, 197, 319-324.	4.0	185
30	In situ growth of Li ₄ Ti ₅ O ₁₂ on multi-walled carbon nanotubes: novel coaxial nanocables for high rate lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 761-767.	6.7	182
31	In situ synthesis of high-loading Li ₄ Ti ₅ O ₁₂ -graphene hybrid nanostructures for high rate lithium ion batteries. <i>Nanoscale</i> , 2011, 3, 572-574.	2.8	181
32	Chemically tailoring the nanostructure of graphene nanosheets to confine sulfur for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1096-1101.	5.2	180
33	Facile synthesis of N-doped carbon-coated Li ₄ Ti ₅ O ₁₂ microspheres using polydopamine as a carbon source for high rate lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7270.	5.2	177
34	Fabrication and electrochemical capacitance of hierarchical graphene/polyaniline/carbon nanotube ternary composite film. <i>Electrochimica Acta</i> , 2011, 56, 9224-9232.	2.6	164
35	Porous Nitrogen-Doped Carbon Nanotubes Derived from Tubular Polypyrrole for Energy Storage Applications. <i>Chemistry - A European Journal</i> , 2013, 19, 12306-12312.	1.7	162
36	Hierarchically Porous Carbon Encapsulating Sulfur as a Superior Cathode Material for High Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 194-199.	4.0	152

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37	High rate capability and superior cycle stability of a flower-like Sb ₂ S ₃ anode for high-capacity sodium ion batteries. <i>Nanoscale</i> , 2015, 7, 3309-3315.	2.8	147
38	Zinc cobalt sulfide nanosheets grown on nitrogen-doped graphene/carbon nanotube film as a high-performance electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11256-11263.	5.2	145
39	TiNb ₂ O ₇ nanoparticles assembled into hierarchical microspheres as high-rate capability and long-cycle-life anode materials for lithium ion batteries. <i>Nanoscale</i> , 2015, 7, 619-624.	2.8	129
40	Encapsulating sulfur into mesoporous TiO ₂ host as a high performance cathode for lithium-sulfur battery. <i>Electrochimica Acta</i> , 2013, 107, 78-84.	2.6	128
41	ZnO/TiO ₂ nanocable structured photoelectrodes for CdS/CdSe quantum dot co-sensitized solar cells. <i>Nanoscale</i> , 2013, 5, 936-943.	2.8	124
42	The origin of capacity fluctuation and rescue of dead Mn-based Zn-ion batteries: a Mn-based competitive capacity evolution protocol. <i>Energy and Environmental Science</i> , 2022, 15, 1106-1118.	15.6	124
43	Carbon-Coated Li ₃ VO ₄ Spheres as Constituents of an Advanced Anode Material for High-Rate Long-Life Lithium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1701571.	11.1	119
44	Rational Design of Void-Involved Si@TiO ₂ Nanospheres as High-Performance Anode Material for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6497-6503.	4.0	117
45	Ultrathin Ti ₂ Nb ₂ O ₉ Nanosheets with Pseudocapacitive Properties as Superior Anode for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2018, 30, e1804378.	11.1	117
46	Lysine-assisted hydrothermal synthesis of urchin-like ordered arrays of mesoporous Co(OH) ₂ nanowires and their application in electrochemical capacitors. <i>Journal of Materials Chemistry</i> , 2010, 20, 10809.	6.7	115
47	Electrochemically induced transformation of NiS nanoparticles into Ni(OH) ₂ in KOH aqueous solution toward electrochemical capacitors. <i>Electrochimica Acta</i> , 2011, 56, 7454-7459.	2.6	112
48	Advanced Energy Storage Architectures Composed of Spinel Lithium Metal Oxide Nanocrystal on Carbon Textiles. <i>Advanced Energy Materials</i> , 2013, 3, 1484-1489.	10.2	109
49	Ge-graphene-carbon nanotube composite anode for high performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1498-1503.	5.2	105
50	Nitrogen-doped carbon coated Li ₄ Ti ₅ O ₁₂ nanocomposite: Superior anode materials for rechargeable lithium ion batteries. <i>Journal of Power Sources</i> , 2013, 221, 122-127.	4.0	100
51	Mesoporous NaTi ₂ (PO ₄) ₃ /CMK-3 nanohybrid as anode for long-life Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20659-20666.	5.2	99
52	Cross-Linking Hollow Carbon Sheet Encapsulated Cu ₂ Nanocomposites for High Energy Density Sodium-Ion Batteries. <i>ACS Nano</i> , 2018, 12, 7018-7027.	7.3	99
53	Facile interfacial synthesis of flower-like hierarchical α-MnO ₂ sub-microspherical superstructures constructed by two-dimension mesoporous nanosheets and their application in electrochemical capacitors. <i>Journal of Materials Chemistry</i> , 2011, 21, 16035.	6.7	96
54	Three-dimensionally ordered porous TiNb ₂ O ₇ nanotubes: a superior anode material for next generation hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16785-16790.	5.2	96

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55	Flexible metal-organic frameworks as superior cathodes for rechargeable sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16590-16597.	5.2	94
56	Preparation of ZnCo ₂ O ₄ nanoflowers on a 3D carbon nanotube/nitrogen-doped graphene film and its electrochemical capacitance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21891-21898.	5.2	93
57	A modified molten-salt method to prepare graphene electrode with high capacitance and low self-discharge rate. <i>Carbon</i> , 2016, 102, 255-261.	5.4	92
58	Preparation and electrochemical capacitance of hierarchical graphene/polypyrrole/carbon nanotube ternary composites. <i>Electrochimica Acta</i> , 2012, 69, 160-166.	2.6	90
59	Large-scale Co ₃ O ₄ nanoparticles growing on nickel sheets via a one-step strategy and their ultra-highly reversible redox reaction toward supercapacitors. <i>Journal of Materials Chemistry</i> , 2011, 21, 18183.	6.7	88
60	Three-Dimensional Coherent Titania-Mesoporous Carbon Nanocomposite and Its Lithium-Ion Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2985-2992.	4.0	84
61	Fabrication of porous carbon spheres for high-performance electrochemical capacitors. <i>RSC Advances</i> , 2014, 4, 7538.	1.7	83
62	Novel template-free solvothermal synthesis of mesoporous Li ₄ Ti ₅ O ₁₂ -C microspheres for high power lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 14414.	6.7	81
63	Hierarchical Metal Sulfide/Carbon Spheres: A Generalized Synthesis and High Sodium-Storage Performance. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7238-7243.	7.2	80
64	Ultralong SrLi ₂ Ti ₆ O ₁₄ nanowires composed of single-crystalline nanoparticles: Promising candidates for high-power lithium ions batteries. <i>Nano Energy</i> , 2015, 13, 18-27.	8.2	79
65	Carbon coated Li ₄ Ti ₅ O ₁₂ nanorods as superior anode material for high rate lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2013, 572, 37-42.	2.8	77
66	Crumpled Nitrogen-Doped Graphene for Supercapacitors with High Gravimetric and Volumetric Performances. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22284-22291.	4.0	77
67	Lamellar-structured biomass-derived phosphorus- and nitrogen-co-doped porous carbon for high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2015, 39, 9497-9503.	1.4	75
68	Urchin-like Co ₃ O ₄ microspherical hierarchical superstructures constructed by one-dimension nanowires toward electrochemical capacitors. <i>RSC Advances</i> , 2011, 1, 1521.	1.7	73
69	N-doped carbon foam based three-dimensional electrode architectures and asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2853-2860.	5.2	70
70	From biomolecule to Na ₃ V ₂ (PO ₄) ₃ /nitrogen-decorated carbon hybrids: highly reversible cathodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18606-18612.	5.2	65
71	One-Dimensional Vanadium Nitride Nanofibers Fabricated by Electrospinning for Supercapacitors. <i>Electrochimica Acta</i> , 2015, 173, 680-686.	2.6	64
72	Trivalent Ti self-doped Li ₄ Ti ₅ O ₁₂ : A high performance anode material for lithium-ion capacitors. <i>Journal of Electroanalytical Chemistry</i> , 2015, 757, 1-7.	1.9	63

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73	A novel method to synthesize whisker-like Co(OH) ₂ and its electrochemical properties as an electrochemical capacitor electrode. <i>Electrochimica Acta</i> , 2010, 56, 115-121.	2.6	59
74	A facile one-pot synthesis of TiO ₂ /nitrogen-doped reduced graphene oxide nanocomposite as anode materials for high-rate lithium-ion batteries. <i>Electrochimica Acta</i> , 2014, 133, 209-216.	2.6	59
75	Flower-like LiMnPO ₄ hierarchical microstructures assembled from single-crystalline nanosheets for lithium-ion batteries. <i>CrystEngComm</i> , 2012, 14, 4284.	1.3	58
76	Template-free synthesis of ordered mesoporous NiO/poly(sodium-4-styrene sulfonate) functionalized carbon nanotubes composite for electrochemical capacitors. <i>Nano Research</i> , 2009, 2, 722-732.	5.8	57
77	Facile growth of hexagonal NiO nanoplatelet arrays assembled by mesoporous nanosheets on Ni foam towards high-performance electrochemical capacitors. <i>Electrochimica Acta</i> , 2012, 78, 532-538.	2.6	57
78	PEDOT coated Li ₄ Ti ₅ O ₁₂ nanorods: Soft chemistry approach synthesis and their lithium storage properties. <i>Electrochimica Acta</i> , 2014, 129, 283-289.	2.6	57
79	Porous NiCo ₂ O ₄ nanotubes as a noble-metal-free effective bifunctional catalyst for rechargeable Li-O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24309-24314.	5.2	57
80	Enhanced Performance of Aqueous Sodium-Ion Batteries Using Electrodes Based on the NaTi ₂ (PO ₄) ₃ /MWNTs@Na _{0.44} MnO ₂ System. <i>Energy Technology</i> , 2014, 2, 705-712.	1.8	56
81	Facile hydrothermal synthesis of single crystalline TiOF ₂ nanocubes and their phase transitions to TiO ₂ hollow nanocages as anode materials for lithium-ion battery. <i>Electrochimica Acta</i> , 2012, 62, 408-415.	2.6	54
82	Homogenous incorporation of SnO ₂ nanoparticles in carbon cryogels via the thermal decomposition of stannous sulfate and their enhanced lithium-ion intercalation properties. <i>Nano Energy</i> , 2013, 2, 769-778.	8.2	54
83	A Fast Proton-Induced Pseudocapacitive Supercapacitor with High Energy and Power Density. <i>Advanced Functional Materials</i> , 2022, 32, 2107720.	7.8	53
84	Si nanoparticles encapsulated in elastic hollow carbon fibres for Li-ion battery anodes with high structural stability. <i>Nanoscale</i> , 2015, 7, 7409-7414.	2.8	52
85	Self-Sacrificial Template-Directed Synthesis of Metal-Organic Framework-Derived Porous Carbon for Energy Storage Devices. <i>ChemElectroChem</i> , 2016, 3, 668-674.	1.7	52
86	Top-down synthesis of interconnected two-dimensional carbon/antimony hybrids as advanced anodes for sodium storage. <i>Energy Storage Materials</i> , 2018, 10, 122-129.	9.5	50
87	Alloying Reaction Confinement Enables High-Capacity and Stable Anodes for Lithium-Ion Batteries. <i>ACS Nano</i> , 2019, 13, 9511-9519.	7.3	48
88	Hollow NiCo ₂ S ₄ nanotube arrays grown on carbon textile as a self-supported electrode for asymmetric supercapacitors. <i>RSC Advances</i> , 2016, 6, 9950-9957.	1.7	47
89	Cross-linked NiCo ₂ O ₄ nanosheets with low crystallinity and rich oxygen vacancies for asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153689.	2.8	47
90	Enhanced Lithium Storage Performance from Three-Dimensional MoS ₂ Nanosheets/Carbon Nanotube Paper. <i>ChemElectroChem</i> , 2014, 1, 1118-1125.	1.7	43

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91	Fabrication of a sandwich structured electrode for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14280.	5.2	40
92	Niobium Tungsten Oxide in a Green Water-in-Salt Electrolyte Enables Ultra-Stable Aqueous Lithium-Ion Capacitors. <i>Nano-Micro Letters</i> , 2020, 12, 168.	14.4	40
93	Mesoporous Li ₄ Ti ₅ O ₁₂ /carbon nanofibers for high-rate lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2014, 587, 171-176.	2.8	39
94	Synthesis of flexible and porous cobalt hydroxide/conductive cotton textile sheet and its application in electrochemical capacitors. <i>Electrochimica Acta</i> , 2011, 56, 6683-6687.	2.6	37
95	Electrospun Hierarchical Li ₄ Ti _{4.95} Nb _{0.05} O ₁₂ /Carbon Composite Nanofibers for High Rate Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2012, 159, A426-A430.	1.3	37
96	Synthesis of hydrogenated TiO ₂ -reduced-graphene oxide nanocomposites and their application in high rate lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9150-9155.	5.2	35
97	Glycine-assisted hydrothermal synthesis of nanostructured Co _x Ni _{1-x} Al layered triple hydroxides as electrode materials for high-performance supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 1933-1940.	1.2	34
98	Nb ₂ O ₅ nanoparticles encapsulated in ordered mesoporous carbon matrix as advanced anode materials for Li ion capacitors. <i>RSC Advances</i> , 2016, 6, 71338-71344.	1.7	34
99	Pseudocapacitive T-Nb ₂ O ₅ /N-doped carbon nanosheets anode enable high performance lithium-ion capacitors. <i>Journal of Electroanalytical Chemistry</i> , 2019, 842, 82-88.	1.9	33
100	Fabrication of the Oxygen Vacancy Amorphous MnO ₂ /Carbon Nanotube as Cathode for Advanced Aqueous Zinc-Ion Batteries. <i>Energy Technology</i> , 2021, 9, 2000769.	1.8	33
101	Design of a Nitrogen-Doped, Carbon-Coated Li ₄ Ti ₅ O ₁₂ Nanocomposite with a Core-Shell Structure and Its Application for High-Rate Lithium-Ion Batteries. <i>ChemPlusChem</i> , 2014, 79, 128-133.	1.3	32
102	Titanium Dioxide/Germanium Core-Shell Nanorod Arrays Grown on Carbon Textiles as Flexible Electrodes for High Density Lithium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 364-372.	1.2	32
103	Heterostructure NiS ₂ /NiCo ₂ S ₄ nanosheets array on carbon nanotubes sponge electrode with high specific capacitance for supercapacitors. <i>Journal of Power Sources</i> , 2022, 518, 230763.	4.0	30
104	Interface-hydrothermal synthesis and electrochemical properties of CoS _x nanodots/poly(sodium-4-styrene sulfonate) functionalized multi-walled carbon nanotubes nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2010, 349, 181-185.	5.0	29
105	Synthesis of nanostructured materials by using metal-cyanide coordination polymers and their lithium storage properties. <i>Nanoscale</i> , 2013, 5, 11087.	2.8	28
106	Rhombohedral NASICON-structured Li ₂ NaV ₂ (PO ₄) ₃ with single voltage plateau for superior lithium storage. <i>RSC Advances</i> , 2014, 4, 8627.	1.7	28
107	Biomolecule-assisted hydrothermal approach towards synthesis of ultra-thin nanoporous γ -Co(OH) ₂ mesocrystal nanosheets for electrochemical capacitors. <i>CrystEngComm</i> , 2011, 13, 6130.	1.3	27
108	Synthesis of LiNi _{0.5} Mn _{1.5} O ₄ Hollow Microspheres and Their Lithium Storage Properties. <i>ChemElectroChem</i> , 2015, 2, 127-133.	1.7	25

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109	Bacterial cellulose-derived carbon nanofibers as both anode and cathode for hybrid sodium ion capacitor. RSC Advances, 2020, 10, 7780-7790.	1.7	25
110	Conductive Metal-Organic Framework for High Energy Sodium-Ion Hybrid Capacitors. ACS Applied Energy Materials, 2021, 4, 1568-1574.	2.5	25
111	Electrochemical Proton Storage: From Fundamental Understanding to Materials to Devices. Nano-Micro Letters, 2022, 14, .	14.4	24
112	Interface-hydrothermal synthesis of Sn ₃ S ₄ /graphene sheet composites and their application in electrochemical capacitors. Materials Letters, 2011, 65, 374-377.	1.3	22
113	Core/shell Cu/FePtCu nanoparticles with face-centered tetragonal texture: An active and stable low-Pt catalyst for enhanced oxygen reduction. Nano Energy, 2018, 54, 280-287.	8.2	22
114	Vanadium nitride nanoparticles embedded in carbon matrix with pseudocapacitive behavior for high performance lithium-ion capacitors. Rare Metals, 2022, 41, 2460-2469.	3.6	22
115	Synthesis and supercapacitance of flower-like Co(OH) ₂ hierarchical superstructures self-assembled by mesoporous nanobelts. Journal of Solid State Electrochemistry, 2012, 16, 1519-1525.	1.2	21
116	General Strategy to Fabricate Ternary Metal Nitride/Carbon Nanofibers for Supercapacitors. ChemElectroChem, 2015, 2, 2020-2026.	1.7	19
117	Stabilized titanium nitride nanowire supported silicon core-shell nanorods as high capacity lithium-ion anodes. Journal of Materials Chemistry A, 2015, 3, 12476-12481.	5.2	19
118	High performance three-dimensional Ge/cyclized-polyacrylonitrile thin film anodes prepared by RF magnetron sputtering for lithium ion batteries. Journal of Materials Science, 2014, 49, 2279-2285.	1.7	18
119	Recent Advances in the Synthesis and Energy Applications of 2D MXenes. ChemElectroChem, 2021, 8, 3804-3826.	1.7	18
120	Heteroatom-Doped Porous Carbon Nanosheets: General Preparation and Enhanced Capacitive Properties. Chemistry - A European Journal, 2016, 22, 16668-16674.	1.7	17
121	Facile Synthesis of Nitrogen-Containing Mesoporous Carbon for High-Performance Energy Storage Applications. Chemistry - A European Journal, 2016, 22, 4256-4262.	1.7	17
122	Confined germanium nanoparticles in an N-doped carbon matrix for high-rate and ultralong-life lithium ion batteries. RSC Advances, 2015, 5, 85256-85263.	1.7	15
123	Synthesis and electrochemical performances of mixed-valence vanadium oxide/ordered mesoporous carbon composites for supercapacitors. RSC Advances, 2016, 6, 25056-25061.	1.7	15
124	Enhanced electrochemical properties of MgF ₂ and C co-coated Li ₃ V ₂ (PO ₄) ₃ composite for Li-ion batteries. Journal of Electroanalytical Chemistry, 2016, 762, 1-6.	1.9	14
125	Kinetic photovoltage along semiconductor-water interfaces. Nature Communications, 2021, 12, 4998.	5.8	14
126	Comparative study of electrochemical capacitance of multi-walled carbon nanotubes before and after chopping. Applied Surface Science, 2010, 257, 440-445.	3.1	13

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127	Greener and cheaper. <i>Nature Energy</i> , 2017, 2, 836-837.	19.8	13
128	Facile Water/Ionic Liquid/Organic Triphase Interfacial Synthesis of Coral-Like Polyaniline toward High-Performance Electrochemical Capacitors. <i>Journal of the Electrochemical Society</i> , 2012, 159, A1323-A1328.	1.3	12
129	Hierarchical Metal Sulfide/Carbon Spheres: A Generalized Synthesis and High Sodium Storage Performance. <i>Angewandte Chemie</i> , 2019, 131, 7316-7321.	1.6	12
130	Water/ionic liquid/organic three-phase interfacial synthesis of coral-like polypyrrole toward enhanced electrochemical capacitance. <i>Electrochimica Acta</i> , 2011, 56, 6049-6054.	2.6	11
131	A N-Rich porous carbon nanocube anchored with Co/Fe dual atoms: an efficient bifunctional catalytic host for Li-S batteries. <i>Materials Chemistry Frontiers</i> , 2022, 6, 2095-2102.	3.2	11
132	Functionalized ionic liquid-assisted mechanochemical synthesis of graphene nanosheet/polypyrrole nanocomposites. <i>Materials Letters</i> , 2012, 71, 57-59.	1.3	10
133	Metal Oxides: Mesoporous NiCo ₂ O ₄ Nanowire Arrays Grown on Carbon Textiles as Binder-Free Flexible Electrodes for Energy Storage (<i>Adv. Funct. Mater.</i> 18/2014). <i>Advanced Functional Materials</i> , 2014, 24, 2736-2736.	7.8	10
134	Reactive Template Fabrication of Uniform Core-Shell Polyaniline/Multiwalled Carbon Nanotube Nanocomposite and Its Electrochemical Capacitance. <i>Chemistry Letters</i> , 2010, 39, 850-851.	0.7	9
135	Three-dimensional graphene nanosheets/carbon nanotube paper as flexible electrodes for electrochemical capacitors. <i>RSC Advances</i> , 2015, 5, 22173-22177.	1.7	7
136	Lithium-sodium ion capacitors: A new type of hybrid supercapacitors with high energy density. <i>Journal of Electroanalytical Chemistry</i> , 2021, 888, 115202.	1.9	7
137	Ion-exchange synthesis of Co-functionalized titanate nanotubes and their application in electrochemical capacitors. <i>Materials Letters</i> , 2011, 65, 2632-2634.	1.3	6
138	Synthesis of Ru _{0.58} In _{0.42} O _n nanoparticles dispersed onto poly(sodium-4-styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 1 capacitors. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 804-809.	5.0	6
139	Mesoporous Carbon: Li ₄ Ti ₅ O ₁₂ Nanoparticles Embedded in a Mesoporous Carbon Matrix as a Superior Anode Material for High Rate Lithium Ion Batteries (<i>Adv. Energy Mater.</i> 6/2012). <i>Advanced Energy Materials</i> , 2012, 2, 699-699.	10.2	5
140	Self-supported TiN nanorod array/carbon textile as a lithium host that induces dendrite-free lithium plating with high rates and long cycle life. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3293-3299.	5.2	5
141	High-performance 2.5 V supercapacitor with high energy density and long cycling stability based on graphene coated oxygen-vacancy birnessite. <i>Journal of Alloys and Compounds</i> , 2022, 901, 163543.	2.8	5
142	Li ₃ V ₂ (PO ₄) ₃ /nitrogen-doped reduced graphene oxide nanocomposite with enhanced lithium storage properties. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1983-1990.	1.2	4
143	Application of Carbon Nanotubes in Lithium-Ion Batteries. , 2017, , 251-276.		4
144	Synthesis and Electrochemical Performance of Graphene Modified LiFePO ₄ Cathode Materials. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2012, 28, 105-110.	2.2	3

#	ARTICLE	IF	CITATIONS
145	Stabilizing Li Plating by a Fluorinated Hybrid Protective Layer. ACS Applied Energy Materials, 2021, 4, 14407-14414.	2.5	3
146	Using a copper hyperaccumulator to synthesize anode and cathode materials for a high-energy 4.1ÅV full-carbon lithium-ion capacitor. Journal of Electroanalytical Chemistry, 2021, 898, 115616.	1.9	2
147	Nb ₃ O ₇ F mesocrystals: orientation formation and application in lithium ion capacitors. CrystEngComm, 2021, 23, 6012-6022.	1.3	2
148	Preparation and Electrochemical Lithium Storage of Titanium Dioxide@Multi-walled Carbon Nanotubes(TiO ₂ @MWNTs) Nanocomposites. Acta Chimica Sinica, 2012, 70, 15.	0.5	2
149	Black TiO ₂ Nanomaterials for Lithium-Ion Batteries. , 2017, , 249-273.		1
150	HIERARCHICAL Li ₄ Ti ₅ O ₁₂ MICROSPHERES AS A HIGH POWER ANODE MATERIAL FOR LITHIUM ION BATTERIES. Journal of Molecular and Engineering Materials, 2013, 01, 1340013.	0.9	0
151	Frontispiz: Hierarchical Metal Sulfide/Carbon Spheres: A Generalized Synthesis and High Sodiumâ€Storage Performance. Angewandte Chemie, 2019, 131, .	1.6	0
152	Frontispiece: Hierarchical Metal Sulfide/Carbon Spheres: A Generalized Synthesis and High Sodiumâ€Storage Performance. Angewandte Chemie - International Edition, 2019, 58, .	7.2	0
153	Self-Standing Flexible N-Doped Graphene/CNTs Supported Spiral Low-Crystalline Ni(OH) ₂ Electrode with Ultra-Long Cycling Stability for Supercapacitors. Nano, 2021, 16, 2150013.	0.5	0