

Chang-Zhou Yuan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5499164/publications.pdf>

Version: 2024-02-01

159
papers

15,852
citations

23567

58
h-index

16650

123
g-index

159
all docs

159
docs citations

159
times ranked

14442
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed Transition-Metal Oxides: Design, Synthesis, and Energy-Related Applications. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1488-1504.	13.8	2,019
2	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.	14.9	1,545
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.	30.8	780
5	Hierarchical NiCo ₂ O ₄ @MnO ₂ core-shell heterostructured nanowire arrays on Ni foam as high-performance supercapacitor electrodes. <i>Chemical Communications</i> , 2013, 49, 137-139.	4.1	622
6	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.	14.9	362
7	Self-Sacrifice Template Fabrication of Hierarchical Mesoporous Bi-Component Active ZnO/ZnFe ₂ O ₄ Sub-Microcubes as Superior Anode Towards High-Performance Lithium-Ion Battery. <i>Advanced Functional Materials</i> , 2015, 25, 238-246.	14.9	334
8	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.	19.5	321
9	Facile growth of mesoporous Co ₃ O ₄ nanowire arrays on Ni foam for high performance electrochemical capacitors. <i>Journal of Power Sources</i> , 2012, 203, 250-256.	7.8	289
10	Recent progresses in high-energy-density all pseudocapacitive-electrode-materials-based asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9443-9464.	10.3	278
11	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
12	Hierarchical micro-/mesoporous N- and O-enriched carbon derived from disposable cashmere: a competitive cost-effective material for high-performance electrochemical capacitors. <i>Green Chemistry</i> , 2015, 17, 2373-2382.	9.0	252
13	Hollow mesoporous hetero-NiCo ₂ S ₄ /Co ₉ S ₈ submicro-spindles: unusual formation and excellent pseudocapacitance towards hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 133-144.	10.3	249
14	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
15	Flexible Films Derived from Electrospun Carbon Nanofibers Incorporated with Co ₃ O ₄ Hollow Nanoparticles as Self-Supported Electrodes for Electrochemical Capacitors. <i>Advanced Functional Materials</i> , 2013, 23, 3909-3915.	14.9	233
16	Monodisperse Metallic NiCoSe ₂ Hollow Sub-Microspheres: Formation Process, Intrinsic Charge-Storage Mechanism, and Appealing Pseudocapacitance as Highly Conductive Electrode for Electrochemical Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1705921.	14.9	214
17	Construction of Hierarchical Nanotubes Assembled from Ultrathin V ₃ S ₄ @C Nanosheets towards Alkali-Ion Batteries with Ion-Dependent Electrochemical Mechanisms. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2473-2482.	13.8	199
18	A Ternary Fe _{1-x} S@Porous Carbon Nanowires/Reduced Graphene Oxide Hybrid Film Electrode with Superior Volumetric and Gravimetric Capacities for Flexible Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1803052.	19.5	189

#	ARTICLE	IF	CITATIONS
19	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.	10.3	180
20	Electrochemical capacitance of NiO/Ru _{0.35} V _{0.65} O ₂ asymmetric electrochemical capacitor. <i>Journal of Power Sources</i> , 2007, 173, 606-612.	7.8	167
21	Polymer-assisted synthesis of a 3D hierarchical porous network-like spinel NiCo ₂ O ₄ framework towards high-performance electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11145.	10.3	160
22	Synthesis of NASICON-type structured NaTi ₂ (PO ₄) ₃ "graphene nanocomposite as an anode for aqueous rechargeable Na-ion batteries. <i>Nanoscale</i> , 2014, 6, 6328-6334.	5.6	152
23	Nasicon-Type Surface Functional Modification in Core-Shell LiNi _{0.5} Mn _{0.3} Co _{0.2} O ₂ @NaTi ₂ (PO ₄) ₃ Cathode Enhances Its High-Voltage Cycling Stability and Rate Capacity toward Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5498-5510.	8.0	145
24	Ni-rich LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ coated with Li-ion conductive Li ₃ PO ₄ as competitive cathodes for high-energy-density lithium ion batteries. <i>Electrochimica Acta</i> , 2020, 340, 135871.	5.2	139
25	Synthesis and utilization of RuO ₂ ·xH ₂ O nanodots well dispersed on poly(sodium 4-styrene sulfonate) functionalized multi-walled carbon nanotubes for supercapacitors. <i>Journal of Materials Chemistry</i> , 2009, 19, 246-252.	6.7	136
26	Surface/Interface Structure Degradation of Ni-Rich Layered Oxide Cathodes toward Lithium-Ion Batteries: Fundamental Mechanisms and Remedying Strategies. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901749.	3.7	134
27	In-situ construction of hierarchical accordion-like TiO ₂ /Ti ₃ C ₂ nanohybrid as anode material for lithium and sodium ion batteries. <i>Electrochimica Acta</i> , 2018, 271, 165-172.	5.2	132
28	Unveiling Intrinsic Potassium Storage Behaviors of Hierarchical Nano Bi@N-Doped Carbon Nanocages Framework via In Situ Characterizations. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7180-7187.	13.8	132
29	Universal FeCl ₃ -Activating Strategy for Green and Scalable Fabrication of Sustainable Biomass-Derived Hierarchical Porous Nitrogen-Doped Carbons for Electrochemical Supercapacitors. <i>ACS Applied Energy Materials</i> , 2019, 2, 548-557.	5.1	131
30	Mesoporous NiO with various hierarchical nanostructures by quasi-nanotubes/nanowires/nanorods self-assembly: controllable preparation and application in supercapacitors. <i>CrystEngComm</i> , 2011, 13, 626-632.	2.6	121
31	Template-engaged synthesis of uniform mesoporous hollow NiCo ₂ O ₄ sub-microspheres towards high-performance electrochemical capacitors. <i>RSC Advances</i> , 2013, 3, 18573.	3.6	118
32	Comparative investigation of hollow mesoporous NiCo ₂ S ₄ ellipsoids with enhanced pseudo-capacitance towards high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2016, 214, 76-84.	5.2	117
33	Enhanced electrochemical stability and charge storage of MnO ₂ /carbon nanotubes composite modified by polyaniline coating layer in acidic electrolytes. <i>Electrochimica Acta</i> , 2008, 53, 7039-7047.	5.2	116
34	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
35	Interface synthesis of mesoporous MnO ₂ and its electrochemical capacitive behaviors. <i>Journal of Colloid and Interface Science</i> , 2008, 322, 545-550.	9.4	101
36	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.	10.3	99

#	ARTICLE	IF	CITATIONS
37	One-dimensional Nanostructured Pseudocapacitive Materials: Design, Synthesis and Applications in Supercapacitors. <i>Batteries and Supercaps</i> , 2019, 2, 820-841.	4.7	92
38	Recent progress in flexible non-lithium based rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4353-4382.	10.3	91
39	Enhanced cycling performance and electrochemical reversibility of a novel sulfur-impregnated mesoporous hollow TiO ₂ sphere cathode for advanced Li-S batteries. <i>Nanoscale</i> , 2013, 5, 5743.	5.6	90
40	Self-sacrifice Template Formation of Hollow Hetero-Ni ₇ S ₆ /Co ₃ S ₄ Nanoboxes with Intriguing Pseudo-capacitance for High-performance Electrochemical Capacitors. <i>Scientific Reports</i> , 2016, 6, 20973.	3.3	89
41	Construction and Operating Mechanism of High-rate Mo-doped Na ₃ V ₂ (PO ₄) ₃ @C Nanowires toward Practicable Wide-temperature Tolerance Na-ion and Hybrid Li/Na-ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100287.	19.5	88
42	In-plane Assembled Single-crystalline TaNb ₂ O ₅ Nanorods Derived from Few-layered Nb ₂ CT _x MXene Nanosheets for Advanced Li-ion Capacitors. <i>Small Methods</i> , 2020, 4, 2000630.	8.6	87
43	Hierarchical Porous ZnMn ₂ O ₄ Hollow Nanotubes with Enhanced Lithium Storage toward Lithium-ion Batteries. <i>Chemistry - A European Journal</i> , 2015, 21, 10771-10777.	3.3	86
44	In Situ Synthesis of Hierarchical Core Double-shell Ti-doped LiMnPO ₄ @NaTi ₂ (PO ₄) ₃ @C/3D Graphene Cathode with High-rate Capability and Long Cycle Life for Lithium-ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1802847.	19.5	83
45	Mesoporous N-containing carbon nanosheets towards high-performance electrochemical capacitors. <i>Carbon</i> , 2013, 64, 141-149.	10.3	82
46	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
47	Core-shell ZnO/ZnFe ₂ O ₄ @C mesoporous nanospheres with enhanced lithium storage properties towards high-performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20389-20398.	10.3	77
48	Green and Facile Synthesis of Nitrogen and Phosphorus Co-Doped Carbon Quantum Dots towards Fluorescent Ink and Sensing Applications. <i>Nanomaterials</i> , 2018, 8, 386.	4.1	76
49	Conductive metal-organic frameworks: Recent advances in electrochemical energy-related applications and perspectives. , 2020, 2, 203-222.		75
50	Uniform urchin-like nickel cobaltite microspherical superstructures constructed by one-dimension nanowires and their application for electrochemical capacitors. <i>Electrochimica Acta</i> , 2012, 81, 172-178.	5.2	73
51	Bottom-up Fabrication of 1D Cu-based Conductive Metal-Organic Framework Nanowires as a High-rate Anode towards Efficient Lithium Storage. <i>ChemSusChem</i> , 2019, 12, 5051-5058.	6.8	73
52	Hydrophobization Engineering of the Air-cathode Catalyst for Improved Oxygen Diffusion towards Efficient Zinc-Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	72
53	Hollow mesoporous hetero-ZnO/ZnMnO ₃ microspheres: template-free formation process and enhanced lithium storage capability towards Li-ion batteries as a competitive anode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3264-3277.	10.3	69
54	Template-free Fabrication of Mesoporous Hollow ZnMn ₂ O ₄ Sub-microspheres with Enhanced Lithium Storage Capability towards High-performance Li-ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 657-663.	2.3	68

#	ARTICLE	IF	CITATIONS
55	Sur-/interfacial regulation in all-solid-state rechargeable Li-ion batteries based on inorganic solid-state electrolytes: advances and perspectives. <i>Materials Horizons</i> , 2019, 6, 871-910.	12.2	67
56	Facile construction of ultrathin SnOx nanosheets decorated MXene (Ti3C2) nanocomposite towards Li-ion batteries as high performance anode materials. <i>Electrochimica Acta</i> , 2019, 295, 237-245.	5.2	64
57	V2CTx MXene and its derivatives: synthesis and recent progress in electrochemical energy storage applications. <i>Rare Metals</i> , 2022, 41, 775-797.	7.1	64
58	Scalable Room-Temperature Synthesis of Mesoporous Nanocrystalline ZnMn ₂ O ₄ with Enhanced Lithium Storage Properties for Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2015, 21, 1262-1268.	3.3	62
59	General and Scalable Fabrication of Core-Shell Metal Sulfides@C Anchored on 3D N-Doped Foam toward Flexible Sodium Ion Batteries. <i>Small</i> , 2019, 15, e1903259.	10.0	62
60	Nickel oxide coated on ultrasonically pretreated carbon nanotubes for supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 1251-1257.	2.5	59
61	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.	10.4	57
62	Ultralong Layered NaCrO ₂ Nanowires: A Competitive Wide-Temperature-Operating Cathode for Extraordinary High-Rate Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4037-4046.	8.0	57
63	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.	3.8	56
64	Green Template-Free Synthesis of Hierarchical Shuttle-Shaped Mesoporous ZnFe ₂ O ₄ Microrods with Enhanced Lithium Storage for Advanced Li-Ion Batteries. <i>Chemistry - A European Journal</i> , 2015, 21, 13012-13019.	3.3	55
65	Heterostructured core-shell ZnMn ₂ O ₄ nanosheets@carbon nanotubes TM coaxial nanocables: a competitive anode towards high-performance Li-ion batteries. <i>Nanotechnology</i> , 2015, 26, 145401.	2.6	55
66	Synthesis of ultralong ZnFe ₂ O ₄ @polypyrrole nanowires with enhanced electrochemical Li-storage behaviors for lithium-ion batteries. <i>Electrochimica Acta</i> , 2019, 306, 198-208.	5.2	54
67	Conductive Co-based metal-organic framework nanowires: a competitive high-rate anode towards advanced Li-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24788-24791.	10.3	53
68	Rapid low-temperature synthesis of mesoporous nanophase ZnFe ₂ O ₄ with enhanced lithium storage properties for Li-ion batteries. <i>RSC Advances</i> , 2014, 4, 49212-49218.	3.6	50
69	Unusual formation of hollow NiCoO ₂ sub-microspheres by oxygen functional group dominated thermally induced mass relocation towards efficient lithium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18109-18117.	10.3	50
70	Structure-designed synthesis of yolk-shell hollow ZnFe ₂ O ₄ /C@N-doped carbon sub-microspheres as a competitive anode for high-performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17947-17958.	10.3	48
71	Efficient Laser-Induced Construction of Oxygen-Vacancy Abundant Nano-ZnCo ₂ O ₄ /Porous Reduced Graphene Oxide Hybrids toward Exceptional Capacitive Lithium Storage. <i>Small</i> , 2020, 16, e2001526.	10.0	48
72	Formation and operating mechanisms of single-crystalline perovskite NaNbO ₃ nanocubes/few-layered Nb ₂ CT _x MXene hybrids towards Li-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20405-20416.	10.3	48

#	ARTICLE	IF	CITATIONS
73	Magnetic Field Assisted Construction of Hollow Red P Nanospheres Confined in Hierarchical N-Doped Carbon Nanosheets/Nanotubes 3D Framework for Efficient Potassium Storage. <i>Advanced Energy Materials</i> , 2021, 11, 2003429.	19.5	47
74	Laser irradiation construction of nanomaterials toward electrochemical energy storage and conversion: Ongoing progresses and challenges. <i>Information Materials</i> , 2021, 3, 1393-1421.	17.3	46
75	Facile synthesis of Co ₂ P ₂ O ₇ nanorods as a promising pseudocapacitive material towards high-performance electrochemical capacitors. <i>RSC Advances</i> , 2013, 3, 21558.	3.6	44
76	A General Eco-friendly Production of Bio-sources Derived Micro-/Mesoporous Carbons with Robust Supercapacitive Behaviors and Sodium-Ion Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 779-789.	6.7	44
77	Construction of 1D conductive Ni-MOF nanorods with fast Li ⁺ kinetic diffusion and stable high-rate capacities as an anode for lithium ion batteries. <i>Nanoscale Advances</i> , 2019, 1, 4688-4691.	4.6	42
78	Eco-friendly and scalable synthesis of micro-/mesoporous carbon sub-microspheres as competitive electrodes for supercapacitors and sodium-ion batteries. <i>Applied Surface Science</i> , 2020, 533, 147511.	6.1	42
79	Precipitant-free solvothermal construction of spindle-like CoCO ₃ /reduced graphene oxide hybrid anode toward high-performance lithium-ion batteries. <i>Rare Metals</i> , 2020, 39, 1082-1091.	7.1	42
80	Recent Progresses and Development of Advanced Atomic Layer Deposition towards High-Performance Li-ion Batteries. <i>Nanomaterials</i> , 2017, 7, 325.	4.1	41
81	Comparative investigations of high-rate NaCrO ₂ cathodes towards wide-temperature-tolerant pouch-type Na-ion batteries from ~15 to 55 °C: nanowires vs. bulk. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11915-11927.	10.3	40
82	Hierarchical flower-like conductive CoNiO ₂ microspheres constructed with ultrathin mesoporous nanosheets towards long-cycle-life hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 779, 81-90.	5.5	39
83	Uniform Hollow Mesoporous Nickel Cobalt Sulfide Microdumbbells: A Competitive Electrode with Exceptional Gravimetric/Volumetric Pseudocapacitance for High-Energy Density Hybrid Superapacitors. <i>Advanced Electronic Materials</i> , 2017, 3, 1600322.	5.1	38
84	Surface/Interface Engineering of Hierarchical LiNi _{0.6} Mn _{0.2} Co _{0.2} O ₂ @LiCoPO ₄ @Graphene Architectures as Promising High-Voltage Cathodes toward Advanced Li-ion Batteries. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700382.	3.7	38
85	Formation of Nanodimensional NiCo ₂ Encapsulated in Porous Nitrogen-Doped Carbon Submicrospheres from a Bimetallic (Ni, Co) Organic Framework toward Efficient Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32052-32061.	8.0	38
86	Design and construction of bi-metal MOF-derived yolk-shell Ni ₂ P/ZnP ₂ hollow microspheres for efficient electrocatalytic oxygen evolution. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1366-1374.	5.9	37
87	A two-dimensional assembly of ultrafine cobalt oxide nanocrystallites anchored on single-layer Ti ₃ C ₂ T _x nanosheets with enhanced lithium storage for Li-ion batteries. <i>Nanoscale</i> , 2019, 11, 16755-16766.	5.6	35
88	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.	2.5	34
89	Metal-organic-framework-derived two-dimensional ultrathin mesoporous hetero-ZnFe ₂ O ₄ /ZnO nanosheets with enhanced lithium storage properties for Li-ion batteries. <i>Nanotechnology</i> , 2016, 27, 465402.	2.6	34
90	Sub-nanoscale Engineering of MoO ₂ Clusters for Enhanced Sodium Storage. <i>Energy and Environmental Materials</i> , 2023, 6, .	12.8	34

#	ARTICLE	IF	CITATIONS
91	Non-lithium-based metal ion capacitors: recent advances and perspectives. <i>Journal of Materials Chemistry A</i> , 2022, 10, 357-378.	10.3	34
92	Ultrasonic-Assisted Synthesis of N-Doped, Multicolor Carbon Dots toward Fluorescent Inks, Fluorescence Sensors, and Logic Gate Operations. <i>Nanomaterials</i> , 2022, 12, 312.	4.1	34
93	Re-understanding the galvanostatic intermittent titration technique: Pitfalls in evaluation of diffusion coefficients and rational suggestions. <i>Journal of Power Sources</i> , 2022, 543, 231843.	7.8	33
94	Microwave-assisted synthesis of organic-inorganic poly(3,4-ethylenedioxythiophene)/RuO ₂ ·xH ₂ O nanocomposite for supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 1925-1933.	2.5	32
95	Solid Solution Engineering of Co-Ni-Based Ternary Molybdate Nanorods toward Hybrid Supercapacitors and Lithium-Ion Batteries as High-Performance Electrodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 3955-3965.	5.1	32
96	Facile hydrothermal construction of Nb ₂ CT/Nb ₂ O ₅ as a hybrid anode material for high-performance Li-ion batteries. <i>Chinese Chemical Letters</i> , 2020, 31, 1030-1033.	9.0	32
97	High-yield and <i>in situ</i> fabrication of high-content nitrogen-doped graphene nanoribbons@Co/CoOOH as an integrated sulfur host towards Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3048-3059.	10.3	32
98	Organic-Inorganic Hybridization Engineering of Polyperyleneimide Cathodes for Efficient Potassium Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23596-23601.	13.8	30
99	Interface-hydrothermal synthesis and electrochemical properties of Co _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.	9.4	29
100	Intrinsic lithium storage mechanisms and superior electrochemical behaviors of monodispersed hierarchical CoCO ₃ sub-microspheroids as a competitive anode towards Li-ion batteries. <i>Electrochimica Acta</i> , 2019, 307, 20-29.	5.2	28
101	Spatially Self-Confined Formation of Ultrafine NiCoO ₂ Nanoparticles@Ultralong Amorphous N-Doped Carbon Nanofibers as an Anode towards Efficient Capacitive Li ⁺ Storage. <i>Chemistry - A European Journal</i> , 2019, 25, 863-873.	3.3	28
102	Single-Crystal Nano-Subunits Assembled Accordion-Shape WNb ₂ O ₈ Framework with High Ionic/Electronic Conductivities towards Li-Ion Capacitors. <i>Small</i> , 2022, 18, e2107987.	10.0	28
103	A three-in-one engineering strategy to achieve LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ cathodes with enhanced high-voltage cycle stability and high-rate capacities towards lithium storage. <i>Journal of Power Sources</i> , 2022, 524, 231035.	7.8	27
104	Rolled-up island-bridge (RIB): a new and general electrode configuration design for a wire-shaped stretchable micro-supercapacitor array. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2899-2911.	10.3	25
105	Unveiling composition/crystal structure-dependent electrochemical behaviors via experiments and first-principles calculations: rock-salt NiCoO ₂ vs. spinel Ni _{1.5} Co _{1.5} O ₄ . <i>Materials Today Energy</i> , 2021, 19, 100592.	4.7	24
106	Polyvinylpyrrolidone gel based Pt/Ni(OH) ₂ heterostructures with redistributing charges for enhanced alkaline hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27061-27071.	10.3	24
107	Green self-activation engineering of metal-organic framework derived hollow nitrogen-doped carbon spheres towards supercapacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2932-2944.	10.3	24
108	In-situ growth of hybrid NaTi ₈ O ₁₃ /NaTiO ₂ nanoribbons on layered MXene Ti ₃ C ₂ as a competitive anode for high-performance sodium-ion batteries. <i>Chinese Chemical Letters</i> , 2020, 31, 2254-2258.	9.0	23

#	ARTICLE	IF	CITATIONS
109	Albumen-Derived Hierarchical Porous N- and O-Enriched Carbon towards High-Performance Electrochemical Capacitors. <i>Journal of the Electrochemical Society</i> , 2015, 162, A781-A786.	2.9	22
110	Sustainable rose multiflora derived nitrogen/oxygen-enriched micro-/mesoporous carbon as a low-cost competitive electrode towards high-performance electrochemical supercapacitors. <i>RSC Advances</i> , 2018, 8, 9181-9191.	3.6	22
111	Foxtail millet-derived highly fluorescent multi-heteroatom doped carbon quantum dots towards fluorescent inks and smart nanosensors for selective ion detection. <i>New Journal of Chemistry</i> , 2018, 42, 7326-7331.	2.8	22
112	Facile solid-state synthesis of tetragonal CuFe ₂ O ₄ spinels with improved infrared radiation performance. <i>Ceramics International</i> , 2022, 48, 10555-10561.	4.8	21
113	Microwave-assisted interfacial hydrothermal fabrication of hydrophobic CdWO ₄ microspheres as a high-performance photocatalyst. <i>RSC Advances</i> , 2013, 4, 2374-2381.	3.6	19
114	Construction of a multi-dimensional flexible MnS based paper electrode with ultra-stable and high-rate capability towards efficient sodium storage. <i>Nanoscale</i> , 2020, 12, 4119-4127.	5.6	19
115	Unveiling Intrinsic Potassium Storage Behaviors of Hierarchical Nano Bi@N-Doped Carbon Nanocages Framework via In Situ Characterizations. <i>Angewandte Chemie</i> , 2021, 133, 7256-7263.	2.0	19
116	Surfactant-assisted hydrothermal synthesis of ultrafine CoMoO ₄ ·0.9H ₂ O nanorods towards high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2015, 39, 5507-5512.	2.8	18
117	Construction of Hierarchical Nanotubes Assembled from Ultrathin V ₃ S ₄ @C Nanosheets towards Alkali-Ion Batteries with Ion-Dependent Electrochemical Mechanisms. <i>Angewandte Chemie</i> , 2020, 132, 2494-2503.	2.0	18
118	Lignite-derived mesoporous N- and O-enriched carbon sheet: a low-cost promising electrode for high-performance electrochemical capacitors. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 713-723.	2.5	17
119	MOFs Derived Hetero-ZnO/Fe ₂ O ₃ Nanoflowers with Enhanced Photocatalytic Performance towards Efficient Degradation of Organic Dyes. <i>Nanomaterials</i> , 2021, 11, 3239.	4.1	17
120	Metallic Mo ₂ C Quantum Dots Confined in Functional Carbon Nanofiber Films toward Efficient Sodium Storage: Heterogeneous Interface Engineering and Charge-Storage Mechanism. <i>ACS Applied Energy Materials</i> , 2022, 5, 1114-1125.	5.1	16
121	Biomorphic template-engaged strategy towards porous zinc manganate micro-belts as a competitive anode for rechargeable lithium-ion batteries. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 14154-14165.	7.1	15
122	Understanding the crystal structure-dependent electrochemical capacitance of spinel and rock-salt Ni ²⁺ /Co oxides via density function theory calculations. <i>RSC Advances</i> , 2020, 10, 35611-35618.	3.6	15
123	Unusual electrochemical behavior of Ru-Cr binary oxide-based aqueous symmetric supercapacitors in KOH solution. <i>Electrochimica Acta</i> , 2013, 88, 654-658.	5.2	14
124	Efficient fabrication of spinel copper ferrite with enhanced high infrared radiation properties. <i>Ceramics International</i> , 2020, 46, 21166-21171.	4.8	14
125	High-voltage aqueous symmetric electrochemical capacitor based on Ru _{0.7} Sn _{0.3} O ₂ ·nH ₂ O electrodes in 1M KOH. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 1645-1652.	2.5	13
126	Additives to propylene carbonate-based electrolytes for lithium-ion capacitors. <i>Rare Metals</i> , 2022, 41, 1304-1313.	7.1	13

#	ARTICLE	IF	CITATIONS
127	A shiitake-derived nitrogen/oxygen/phosphorus co-doped carbon framework with hierarchical tri-modal porosity for high-performance electrochemical capacitors. RSC Advances, 2016, 6, 81527-81533.	3.6	12
128	An Aqueous Batteryâ€Pseudocapacitor Hybrid Capacitor Based on Conductive Coreâ€Shell NiCoSe ₂ @Co ₉ Se ₈ Hollow Nanospheres Hybridized with Nanoscale Ru _{0.41} In _{0.59} O _y . Energy Technology, 2020, 8, 1901319.	3.8	12
129	Construction of mesoporous bimetallic (Ni, Co) organic framework microspheres for lithium-ion capacitors. Electrochemistry Communications, 2021, 125, 107006.	4.7	12
130	Hydrophobization Engineering of the Airâ€Cathode Catalyst for Improved Oxygen Diffusion towards Efficient Zincâ€Air Batteries. Angewandte Chemie, 2022, 134, .	2.0	12
131	Supercapacitors: Monodisperse Metallic NiCoSe ₂ Hollow Subâ€Microspheres: Formation Process, Intrinsic Chargeâ€Storage Mechanism, and Appealing Pseudocapacitance as Highly Conductive Electrode for Electrochemical Supercapacitors (Adv. Funct. Mater. 13/2018). Advanced Functional Materials, 2018, 28, 1870082.	14.9	11
132	Flexible MoO ₂ Nanocrystals@Nâ€doped Carbon Nanofibers Film as a Selfâ€Supporting Anode for Quasiâ€Solidâ€State Sodiumâ€Ion Batteries. Energy Technology, 2021, 9, .	3.8	11
133	Self-assembly construction of hollow Ti ₃ C ₂ T _x Submicro-Tubes towards efficient alkali metal ion storage. Chemical Engineering Journal, 2022, 433, 134506.	12.7	11
134	Sodium tungsten bronze-supported Pt electrocatalysts for the high-performance hydrogen evolution reaction. Catalysis Science and Technology, 2022, 12, 4498-4510.	4.1	11
135	Coordination polymer nanowires/reduced graphene oxide paper as flexible anode for sodium-ion batteries. Science China Materials, 2020, 63, 1966-1972.	6.3	10
136	Sustainable fabrication of N-doped carbon quantum dots and their applications in fluorescent inks, Fe (III) detection and fluorescent films. Inorganic Chemistry Communication, 2022, 140, 109387.	3.9	10
137	Metallic Sodium Anodes for Advanced Sodium Metal Batteries: Progress, Challenges and Perspective. Chemical Record, 2022, 22, .	5.8	10
138	Scalable Synthesis of Oneâ€Dimensional Mesoporous ZnMnO ₃ Nanorods with Ultraâ€Stable and High Rate Capability for Efficient Lithium Storage. Chemistry - A European Journal, 2019, 25, 16683-16691.	3.3	8
139	Green Bio-template Fabrication of Fe Derivatives@Carbon Composites and Porous Carbon Sheets toward Advanced Li-Ion Capacitors as Low-Cost Electrodes. ACS Applied Energy Materials, 2020, 3, 7159-7166.	5.1	8
140	Biâ€Metal (Zn, Mn) Metalâ€Organic Frameworkâ€Derived ZnMnO ₃ Microâ€Sheets Wrapped Uniformly with Polypyrrole Conductive Network toward Highâ€Performance Liâ€Ion Batteries. Energy Technology, 2020, 8, 1901218.	3.8	7
141	Rate Balance Design and Construction of a Conductive Ni _{0.5} Co _{0.5} MoO ₄ Solid-Solution Microspherical Superstructure toward Advanced Hybrid Supercapacitors. ACS Applied Energy Materials, 2021, 4, 9470-9478.	5.1	7
142	Synthesis of Ru _{0.58} In _{0.42} O _y â€nH ₂ O nanoparticles dispersed onto poly(sodium-4-styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 T capacitors. Journal of Colloid and Interface Science, 2011, 354, 804-809.	9.4	6
143	Facile Solvothermal Synthesis of Hollow BiOBr Submicrospheres with Enhanced Visible-Light-Responsive Photocatalytic Performance. Journal of Analytical Methods in Chemistry, 2020, 2020, 1-12.	1.6	6
144	Designing Hierarchical Porous ZnO/ZnFe ₂ O ₄ Hybrid Nanofibers with Robust Core/Shell Heterostructure as Competitive Anodes for Efficient Lithium Storage. Energy Technology, 2021, 9, 2000869.	3.8	6

#	ARTICLE	IF	CITATIONS
145	Template-free formation of one-dimensional mesoporous ZnMn ₂ O ₄ tube-in-tube nanofibers towards lithium-ion batteries as anode materials. CrystEngComm, 2021, 23, 7228-7236.	2.6	6
146	Construction of conductive NiCoMoO ₄ solid-solution nanoparticles encapsulated in carbon nanofibers towards Li-ion batteries as high-rate anodes. Electrochimica Acta, 2022, 402, 139564.	5.2	6
147	Efficient Lithium Storage of Si-Based Anode Enabled by a Dual-Component Protection Strategy. Advanced Energy and Sustainability Research, 2022, 3, .	5.8	6
148	Efficient Activation Engineering from the Inside Out toward Hierarchically Porous Carbon Framework as Electrode Materials for Supercapacitors. ACS Applied Energy Materials, 2022, 5, 5719-5729.	5.1	6
149	Recent Progress of Carbon-Based Anode Materials for Potassium Ion Batteries. Chemical Record, 2022, 22, .	5.8	6
150	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 (Adv. Energy Mater. 6/2012). Advanced Energy Materials, 2012, 2, 699-699.	19.5	5
151	Efficient electrospinning fabrication and the underlying formation mechanism of one-dimensional monoclinic Li ₂ FeSiO ₄ nanofibers. CrystEngComm, 2019, 21, 6340-6345.	2.6	4
152	Organic-Inorganic Hybridization Engineering of Polyperyleneimide Cathodes for Efficient Potassium Storage. Angewandte Chemie, 2021, 133, 23788.	2.0	4
153	Template-free construction of hollow ZnFe ₂ O ₄ nanotubes coated with a nano-carbon layer as a competitive anode for Li-ion batteries. Nanoscale Advances, 2020, 2, 2284-2287.	4.6	3
154	Recent Progress on In Situ/Operando Characterization of Rechargeable Alkali Ion Batteries. ChemPlusChem, 2021, 86, 1487-1496.	2.8	3
155	Polyacrylamide hydrogel-derived three-dimensional hierarchical porous N,S co-doped carbon frameworks for electrochemical capacitors. New Journal of Chemistry, 2020, 44, 21279-21287.	2.8	2
156	Construction of hierarchical square biscuit-shape BiOBr photocatalyst with enhanced visible-light-response photocatalytic activities. Materials Research Express, 2020, 7, 035906.	1.6	2
157	Spray-drying construction of nickel/cobalt/molybdenum based nano carbides embedded in porous carbon microspheres for lithium-ion batteries as anodes. Electrochimica Acta, 2022, 424, 140678.	5.2	2
158	Flexible organic alkali-ion batteries. , 2021, , 353-382.		0
159	Formation of solid-solution Co _x Ni _{1-x} CO ₃ as high-performance anode materials for lithium-ion batteries. International Journal of Energy Research, 2022, 46, 9404-9413.	4.5	0