

Xihong Lu

List of Publications by Year in descending order

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352
papers

40,534
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1606

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docs citations

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times ranked

29801
citing authors

#	ARTICLE	IF	CITATIONS
1	Co ₃ O ₄ Nanowires Capable of Discharging Low Voltage Electricity Showing Potent Antibacterial Activity for Treatment of Bacterial Skin Infection. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102044.	3.9	10
2	A new high-performance rechargeable alkaline Zn battery based on mesoporous nitrogen-doped oxygen-deficient hematite. <i>Science China Materials</i> , 2022, 65, 920-928.	3.5	9
3	Structural regulation strategies towards high performance organic materials for next generation aqueous Zn-based batteries. <i>ChemPhysMater</i> , 2022, 1, 86-101.	1.4	8
4	One-pot synthesis of oxygen-vacancy-rich Cu-doped UiO-66 for collaborative adsorption and photocatalytic degradation of ciprofloxacin. <i>Science of the Total Environment</i> , 2022, 815, 151962.	3.9	31
5	Operando monitoring of ion activities in aqueous batteries with plasmonic fiber-optic sensors. <i>Nature Communications</i> , 2022, 13, 547.	5.8	66
6	Ca-ion modified vanadium oxide nanoribbons with enhanced Zn-ion storage capability. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5614-5619.	5.2	19
7	High-performance photocatalytic decomposition of PFOA by BiOX/TiO ₂ heterojunctions: Self-induced inner electric fields and band alignment. <i>Journal of Hazardous Materials</i> , 2022, 430, 128195.	6.5	43
8	Smart Designs of Mo Based Electrocatalysts for Hydrogen Evolution Reaction. <i>Catalysts</i> , 2022, 12, 2.	1.6	8
9	Iron decorated ultrathin cobaltous hydroxide nanoflakes with impressive electrochemical reactivity for aqueous Zn batteries. <i>Chemical Communications</i> , 2022, 58, 3977-3980.	2.2	8
10	Intrinsic Carbon Defects Induced Reversible Antimony Chemistry for High-Energy Aqueous Alkaline Batteries. <i>Advanced Materials</i> , 2022, 34, e2200085.	11.1	13
11	Calcium peroxide pre-treatment improved the anaerobic digestion of primary sludge and its co-digestion with waste activated sludge. <i>Science of the Total Environment</i> , 2022, 828, 154404.	3.9	9
12	High rate and ultralong life flexible all-solid-state zinc ion battery based on electron density modulated NiCo ₂ O ₄ nanosheets. <i>Journal of Energy Chemistry</i> , 2022, 70, 283-291.	7.1	17
13	Zincophilic Cu Sites Induce Dendrite-Free Zn Anodes for Robust Alkaline/Neutral Aqueous Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	57
14	Facile hydrothermal synthesis of cobaltosic sulfide nanorods for high performance supercapacitors. <i>RSC Advances</i> , 2022, 12, 11665-11670.	1.7	2
15	Ultrathin-FeOOH-Coated MnO ₂ Sonosensitizers with Boosted Reactive Oxygen Species Yield and Remodeled Tumor Microenvironment for Efficient Cancer Therapy. <i>Advanced Science</i> , 2022, 9, e2200005.	5.6	39
16	CoP Nanoparticle Confined in P, N Co-Doped Porous Carbon Anchored on P-Doped Carbonized Wood Fibers with Tailored Electronic Structure for Efficient Urea Electro-Oxidation. <i>Small</i> , 2022, 18, e2200950.	5.2	48
17	A high-voltage aqueous antimony-manganese hybrid battery based on all stripping/plating mechanism. <i>Energy Storage Materials</i> , 2022, 49, 529-536.	9.5	9
18	Crystal form modulation enables high-performance manganese dioxide cathode for aqueous zinc ion battery. <i>Journal of Alloys and Compounds</i> , 2022, 913, 165207.	2.8	9

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19	Oxygen-deficient NiCo ₂ O ₄ nanowires as the robust cathode for high-performance nickel-zinc batteries. <i>Journal of Materials Research</i> , 2022, 37, 2185-2194.	1.2	4
20	Recent Advances of Carbon Materials in Anodes for Aqueous Zinc Ion Batteries. <i>Chemical Record</i> , 2022, 22, .	2.9	14
21	Methods for Rational Design of Advanced Zn-Based Batteries. <i>Small Methods</i> , 2022, 6, .	4.6	24
22	Promoting ion adsorption and desolvation kinetics enables high capacity and rate capability of stibium anode for advanced alkaline battery. <i>Journal of Materials Science and Technology</i> , 2022, 131, 60-67.	5.6	6
23	Corrosion engineering towards a high-energy Mn doped Co ₃ O ₄ nanoflake cathode for rechargeable Zn-based batteries. <i>Materials Advances</i> , 2022, 3, 6441-6445.	2.6	1
24	Electronic structure modulation of nickel hydroxide porous nanowire arrays via manganese doping for urea-assisted energy-efficient hydrogen generation. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 445-452.	5.0	24
25	Interlayer Engineering of $\text{I}^{\pm}\text{MoO}_3$ Modulates Selective Hydronium Intercalation in Neutral Aqueous Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 896-903.	7.2	108
26	Mixed-valence Copper Selenide as an Anode for Ultralong Lifespan Rocking-chair Zn-ion Batteries: An Insight into its Intercalation/Extraction Kinetics and Charge Storage Mechanism. <i>Advanced Functional Materials</i> , 2021, 31, 2005092.	7.8	76
27	Nanobelt-like vanadium dioxide with three-dimensional interconnected tunnel structure enables ultrafast Al-ion storage. <i>Materials Today Energy</i> , 2021, 19, 100578.	2.5	9
28	Oxygen-deficient TiO ₂ decorated carbon paper as advanced anodes for microbial fuel cells. <i>Electrochimica Acta</i> , 2021, 366, 137468.	2.6	16
29	Molten salt assisted synthesis of pitch derived carbon for Zn ion hybrid supercapacitors. <i>Materials Research Bulletin</i> , 2021, 135, 111134.	2.7	60
30	Tuning electronic structure endows 1,4-naphthoquinones with significantly boosted Zn-ion storage capability and output voltage. <i>Journal of Power Sources</i> , 2021, 483, 229114.	4.0	16
31	Linker Defects Triggering Boosted Oxygen Reduction Activity of Co/Zn-ZIF Nanosheet Arrays for Rechargeable Zn-Air batteries. <i>Small</i> , 2021, 17, e2007085.	5.2	36
32	Interlayer Engineering of $\text{I}^{\pm}\text{MoO}_3$ Modulates Selective Hydronium Intercalation in Neutral Aqueous Electrolyte. <i>Angewandte Chemie</i> , 2021, 133, 909-916.	1.6	9
33	A quinone electrode with reversible phase conversion for long-life rechargeable aqueous aluminum-metal batteries. <i>Chemical Communications</i> , 2021, 57, 6931-6934.	2.2	31
34	Structurally reconstituted calcium manganate nanoparticles as a high-performance cathode for aqueous Zn-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5053-5059.	5.2	5
35	Bioinspired interfacial engineering of a CoSe ₂ decorated carbon framework cathode towards temperature-tolerant and flexible Zn-air batteries. <i>Nanoscale</i> , 2021, 13, 3019-3026.	2.8	45
36	Construction of chemical self-charging zinc ion batteries based on defect coupled nitrogen modulation of zinc manganite vertical graphene arrays. <i>Materials Advances</i> , 2021, 2, 6694-6702.	2.6	14

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37	Oxygen-rich interface enables reversible stibium stripping/plating chemistry in aqueous alkaline batteries. <i>Nature Communications</i> , 2021, 12, 14.	5.8	58
38	Facile preparation of hydrophilic In_2O_3 nanospheres and rods with improved performances for photocatalytic degradation of PFOA. <i>Environmental Science: Nano</i> , 2021, 8, 1010-1018.	2.2	22
39	Mo_2C /Reduced Graphene Oxide Composites with Enhanced Electrocatalytic Activity and Biocompatibility for Microbial Fuel Cells. <i>Chemistry - A European Journal</i> , 2021, 27, 4291-4296.	1.7	8
40	High-Voltage Rechargeable Aqueous Zinc-Based Batteries: Latest Progress and Future Perspectives. <i>Small Science</i> , 2021, 1, 2000066.	5.8	56
41	Printing Porous Carbon Aerogels for Low Temperature Supercapacitors. <i>Nano Letters</i> , 2021, 21, 3731-3737.	4.5	98
42	Ni (II) Coordination Supramolecular Grids for Aqueous Nickel-Zinc Battery Cathodes. <i>Advanced Functional Materials</i> , 2021, 31, 2100443.	7.8	30
43	Recent progress and challenges of cobalt-based compound for aqueous Zn battery. <i>Nano Select</i> , 2021, 2, 1642-1660.	1.9	9
44	Fiber-junction design for directional bending sensors. <i>Npj Flexible Electronics</i> , 2021, 5, .	5.1	10
45	Carbon nanotubes-based electrode for Zn ion batteries. <i>Materials Research Bulletin</i> , 2021, 138, 111246.	2.7	18
46	Interlayer Engineering of Preintercalated Layered Oxides as Cathode for Emerging Multivalent Metal-ion Batteries: Zinc and Beyond. <i>Energy Storage Materials</i> , 2021, 38, 397-437.	9.5	90
47	A COF-Like N-Rich Conjugated Microporous Polytriphenylamine Cathode with Pseudocapacitive Anion Storage Behavior for High-Energy Aqueous Zinc Dual-Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2101857.	11.1	90
48	Porous 3D Honeycomb Structure Biomass Carbon as a Supercapacitor Electrode Material to Achieve Efficient Energy Storage. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 11079-11085.	1.8	22
49	Carbon-Based Composites as Anodes for Microbial Fuel Cells: Recent Advances and Challenges. <i>ChemPlusChem</i> , 2021, 86, 1322-1341.	1.3	6
50	Mn-N-C Nanostructure Derived from MnO_2 -x/PANI as Highly Performing Cathode Additive in Li-S Battery. <i>Reactions</i> , 2021, 2, 275-286.	0.9	0
51	Mn_3O_4 @MnS composite nanoparticles as cathode materials for aqueous rechargeable Zn ion batteries. <i>Functional Materials Letters</i> , 2021, 14, .	0.7	7
52	Pyrolic-Dominated Nitrogen Redox Enhances Reaction Kinetics of Pitch-Derived Carbon Materials in Aqueous Zinc Ion Hybrid Supercapacitors. , 2021, 3, 1291-1299.		54
53	Activated nitrogen-doped ordered porous carbon as advanced anode for high-performance microbial fuel cells. <i>Electrochimica Acta</i> , 2021, 391, 138920.	2.6	11
54	Bismuth-Based Nanomaterials for Aqueous Alkaline Batteries: Recent Progress and Perspectives. <i>ChemNanoMat</i> , 2021, 7, 1188-1199.	1.5	10

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55	Boosting oxygen evolution activity of NiFe layered double hydroxide through interface engineering assisted with naturally-hierarchical wood. <i>Chemical Engineering Journal</i> , 2021, 421, 129751.	6.6	41
56	Anchoring polyaniline molecule on 3D carbon nanotube meshwork as self-standing cathodes for advanced rechargeable zinc ion batteries. <i>Journal of Power Sources</i> , 2021, 508, 230329.	4.0	18
57	Defect modulation of ZnMn ₂ O ₄ nanotube arrays as high-rate and durable cathode for flexible quasi-solid-state zinc ion battery. <i>Chemical Engineering Journal</i> , 2021, 422, 129890.	6.6	33
58	Structure engineering of van der Waals layered transition metal-containing compounds for aqueous energy storage. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2996-3020.	3.2	4
59	Enhancing Li ⁺ Affinity of Molybdenum Dioxide/Carbon Fabric to Achieve High Pseudocapacitance. <i>Small</i> , 2021, 17, e2104178.	5.2	3
60	Cobalt-Based Electrocatalysts as Air Cathodes in Rechargeable Zn-Air Batteries: Advances and Challenges. <i>Small Structures</i> , 2021, 2, 2100144.	6.9	40
61	Ten Thousand-Cycle Ultrafast Energy Storage of Wadsley-Roth Phase Fe-Nb Oxides with a Desolvation Promoting Interfacial Layer. <i>Nano Letters</i> , 2021, 21, 9675-9683.	4.5	17
62	Fe ³⁺ Promoted the Photocatalytic Defluorination of Perfluorooctanoic Acid (PFOA) over In ₂ O ₃ . <i>ACS ES&T Water</i> , 2021, 1, 2431-2439.	2.3	11
63	Promoting Zn ²⁺ storage capability of a vanadium-based cathode via structural reconstruction for aqueous Zn-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26698-26703.	5.2	17
64	Toward materials-by-design: achieving functional materials with physical and chemical effects. <i>Nanotechnology</i> , 2020, 31, 024002.	1.3	3
65	Binder-free NaTi ₂ (PO ₄) ₃ anodes for high-performance coaxial-fiber aqueous rechargeable sodium-ion batteries. <i>Nano Energy</i> , 2020, 67, 104212.	8.2	70
66	Electrodes derived from carbon fiber-reinforced cellulose nanofiber/multiwalled carbon nanotube hybrid aerogels for high-energy flexible asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 379, 122325.	6.6	59
67	Î ³ -MnO ₂ nanorods/graphene composite as efficient cathode for advanced rechargeable aqueous zinc-ion battery. <i>Journal of Energy Chemistry</i> , 2020, 43, 182-187.	7.1	180
68	Enhancing Zn Ion Storage Capability of Hydrated Vanadium Pentoxide by the Strategic Introduction of La ³⁺ . <i>ChemSusChem</i> , 2020, 13, 1568-1574.	3.6	37
69	How does synthetic musks affect methane production from the anaerobic digestion of waste activated sludge?. <i>Science of the Total Environment</i> , 2020, 713, 136594.	3.9	8
70	Do zinc dendrites exist in neutral zinc batteries?. <i>Green Energy and Environment</i> , 2020, 5, 6-7.	4.7	6
71	Manipulating nickel oxides in naturally derived cellulose nanofiber networks as robust cathodes for high-performance Ni-Zn batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 565-572.	5.2	53
72	Scalable Production of the Cobaltous Hydroxide Nanosheet Electrode for Ultrahigh-Energy and Stable Aqueous Cobalt-Zinc Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1464-1470.	3.2	12

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73	Surface Engineering for Advanced Aqueous Supercapacitors: A Review. ChemElectroChem, 2020, 7, 586-593.	1.7	20
74	Facile Fabrication of Ga ₂ O ₃ Nanorods for Photoelectrochemical Water Splitting. ChemNanoMat, 2020, 6, 208-211.	1.5	8
75	A facile method to produce MoSe ₂ /MXene hybrid nanoflowers with enhanced electrocatalytic activity for hydrogen evolution. Journal of Electroanalytical Chemistry, 2020, 856, 113727.	1.9	37
76	Amorphous cobalt hydrogen phosphate nanosheets with remarkable electrochemical performances as advanced electrode for supercapacitors. Journal of Power Sources, 2020, 449, 227487.	4.0	40
77	Nickel@Nickel Oxide Dendritic Architectures with Boosted Electrochemical Reactivity for Aqueous Nickel-Zinc Batteries. ChemElectroChem, 2020, 7, 4572-4577.	1.7	7
78	Photochemical decomposition of perfluorochemicals in contaminated water. Water Research, 2020, 186, 116311.	5.3	37
79	Binder-free CaV ₃ O ₇ nanobelts with rich oxygen defects as high energy cathode for aqueous Zn-ion battery. Journal of Power Sources, 2020, 472, 228507.	4.0	47
80	Iron-based nanoparticles encapsulated in super-large 3D carbon nanotube networks as a bifunctional catalyst for ultrastable rechargeable zinc-air batteries. Journal of Materials Chemistry A, 2020, 8, 25913-25918.	5.2	7
81	Surface defect-abundant one-dimensional graphitic carbon nitride nanorods boost photocatalytic nitrogen fixation. New Journal of Chemistry, 2020, 44, 20651-20658.	1.4	55
82	Zeolitic Imidazolate Frameworks as Zn ²⁺ Modulation Layers to Enable Dendrite-Free Zn Anodes. Advanced Science, 2020, 7, 2002173.	5.6	199
83	Porous Lanthanum-Doped Manganese Oxide Nanoparticles for Enhanced Sonodynamic Cancer Therapy. Particle and Particle Systems Characterization, 2020, 37, 2000143.	1.2	13
84	Recent progress and challenges of carbon materials for Zn-ion hybrid supercapacitors. , 2020, 2, 521-539.		144
85	Carbon cloth as an advanced electrode material for supercapacitors: progress and challenges. Journal of Materials Chemistry A, 2020, 8, 17938-17950.	5.2	81
86	The ultrasonic-assisted growth of porous cobalt/nickel composite hydroxides as a super high-energy and stable cathode for aqueous zinc batteries. Journal of Materials Chemistry A, 2020, 8, 17741-17746.	5.2	12
87	Construction of N-doped carbon nanotube encapsulated active nanoparticles in hierarchically porous carbonized wood frameworks to boost the oxygen evolution reaction. Applied Catalysis B: Environmental, 2020, 279, 119367.	10.8	65
88	Three-Phase Boundary in Cross-Coupled Micro-Mesoporous Networks Enabling 3D-Printed and Ionogel-Based Quasi-Solid-State Micro-Supercapacitors. Advanced Materials, 2020, 32, e2002474.	11.1	54
89	2020 Roadmap on Zinc Metal Batteries. Chemistry - an Asian Journal, 2020, 15, 3696-3708.	1.7	26
90	A High-Rate Two-Dimensional Polyarylimide Covalent Organic Framework Anode for Aqueous Zn-Ion Energy Storage Devices. Journal of the American Chemical Society, 2020, 142, 19570-19578.	6.6	232

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91	Boosting oxygen catalytic kinetics of carbon nanotubes by oxygen-induced electron density modulation for advanced Zn-Air batteries. <i>Energy Storage Materials</i> , 2020, 30, 138-145.	9.5	42
92	A high-energy-density aqueous zinc–manganese battery with a La–Ca co-doped μ -MnO ₂ cathode. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11642-11648.	5.2	69
93	NiMoO ₄ nanowires supported on Ni/C nanosheets as high-performance cathode for stable aqueous rechargeable nickel-zinc battery. <i>Chemical Engineering Journal</i> , 2020, 400, 125832.	6.6	58
94	Challenges and Strategies for Constructing Highly Reversible Zinc Anodes in Aqueous Zinc–ion Batteries: Recent Progress and Future Perspectives. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000082.	2.7	81
95	Interlayer gap widened δ -phase molybdenum trioxide as high-rate anodes for dual-ion-intercalation energy storage devices. <i>Nature Communications</i> , 2020, 11, 1348.	5.8	100
96	Aromatic organic molecular crystal with enhanced π – π stacking interaction for ultrafast Zn-ion storage. <i>Energy and Environmental Science</i> , 2020, 13, 2515-2523.	15.6	166
97	Flexible Zn–ion batteries based on manganese oxides: Progress and prospect. , 2020, 2, 387-407.		55
98	Oxygen Defects in Promoting the Electrochemical Performance of Metal Oxides for Supercapacitors: Recent Advances and Challenges. <i>Small Methods</i> , 2020, 4, 1900823.	4.6	129
99	Oxygen incorporated solution-processed high- κ La ₂ O ₃ dielectrics with large-area uniformity, low leakage and high breakdown field comparable with ALD deposited films. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5163-5173.	2.7	8
100	Interfacial Engineering Coupled Valence Tuning of MoO ₃ Cathode for High–Capacity and High–Rate Fiber–Shaped Zinc–ion Batteries. <i>Small</i> , 2020, 16, e1907458.	5.2	76
101	Sludge Incineration Bottom Ash Enhances Anaerobic Digestion of Primary Sludge toward Highly Efficient Sludge Anaerobic Codigestion. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3005-3012.	3.2	15
102	Ni@Ni ₂ P Encapsulation in Interconnected N-Doped Carbonized Cellulose Nanofibril Network for Efficient Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1859-1867.	3.2	20
103	3D–Printed Structure Boosts the Kinetics and Intrinsic Capacitance of Pseudocapacitive Graphene Aerogels. <i>Advanced Materials</i> , 2020, 32, e1906652.	11.1	191
104	Atomic Modulation Triggering Improved Performance of MoO ₃ Nanobelts for Fiber–Shaped Supercapacitors. <i>Small</i> , 2020, 16, e1905778.	5.2	38
105	Phosphate ion and oxygen defect-modulated nickel cobaltite nanowires: a bifunctional cathode for flexible hybrid supercapacitors and microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8722-8730.	5.2	14
106	<i>In situ</i> filling of a robust carbon sponge with hydrogel electrolyte: a type of omni-healable electrode for flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7746-7755.	5.2	11
107	Enhancing Catalytic Activity and Selectivity by Plasmon-Induced Hot Carriers. <i>IScience</i> , 2020, 23, 101107.	1.9	4
108	Coercive Fields Above 6–T in Two Cobalt(II)–Radical Chain Compounds. <i>Angewandte Chemie</i> , 2020, 132, 10697-10705.	1.6	3

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109	Coercive Fields Above 6 T in Two Cobalt(II) Radical Chain Compounds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10610-10618.	7.2	38
110	Oxygen Functionalized CoP Nanowires as High-Efficient and Stable Electrocatalyst for Oxygen Evolution Reaction and Full Water Splitting. <i>Journal of the Electrochemical Society</i> , 2020, 167, 124512.	1.3	7
111	Amino functionalization optimizes potential distribution: A facile pathway towards high-energy carbon-based aqueous supercapacitors. <i>Nano Energy</i> , 2019, 65, 103987.	8.2	50
112	Photocatalytic conversion of lignocellulosic biomass to valuable products. <i>Green Chemistry</i> , 2019, 21, 4266-4289.	4.6	180
113	Dendrite-Free Zinc Deposition Induced by Multifunctional CNT Frameworks for Stable Flexible Zn-Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1903675.	11.1	780
114	Resin-Derived Ni ₃ S ₂ /Carbon Nanocomposite for Advanced Rechargeable Aqueous Zn-Based Batteries. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900183.	1.2	8
115	Porous TiO ₂ /Co ₉ S ₈ core-branch nanosheet arrays with high electrocatalytic activity for a hydrogen evolution reaction. <i>Nanotechnology</i> , 2019, 30, 404001.	1.3	11
116	Boosting Zn-Ion Energy Storage Capability of Hierarchically Porous Carbon by Promoting Chemical Adsorption. <i>Advanced Materials</i> , 2019, 31, e1904948.	11.1	304
117	Defect Promoted Capacity and Durability of MnO ₂ Branch Arrays via Low-Temperature NH ₃ Treatment for Advanced Aqueous Zinc Ion Batteries. <i>Small</i> , 2019, 15, e1905452.	5.2	171
118	3D CNTs Networks Enable MnO ₂ Cathodes with High Capacity and Superior Rate Capability for Flexible Rechargeable Zn-MnO ₂ Batteries. <i>Small Methods</i> , 2019, 3, 1900525.	4.6	99
119	Achieving high-energy-density and ultra-stable zinc-ion hybrid supercapacitors by engineering hierarchical porous carbon architecture. <i>Electrochimica Acta</i> , 2019, 327, 134999.	2.6	116
120	Simultaneous Cationic and Anionic Redox Reactions Mechanism Enabling High-Rate Long-Life Aqueous Zinc-Ion Battery. <i>Advanced Functional Materials</i> , 2019, 29, 1905267.	7.8	140
121	Manipulation of Nanoplate Structures in Carbonized Cellulose Nanofibril Aerogel for High-Performance Supercapacitor. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23374-23381.	1.5	31
122	Boosting the Zn-ion storage capability of birnessite manganese oxide nanoflorets by La ³⁺ intercalation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22079-22083.	5.2	116
123	Enhancing the electrochemical performance of nickel cobalt sulfides hollow nanospheres by structural modulation for asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 135-143.	5.0	56
124	An ultrathin defect-rich Co ₃ O ₄ nanosheet cathode for high-energy and durable aqueous zinc ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21678-21683.	5.2	106
125	Porous molybdenum tungsten oxynitrides enable long-life supercapacitors with high capacitance. <i>Journal of Power Sources</i> , 2019, 442, 227247.	4.0	13
126	Flexible Zn-Ion Batteries: Recent Progresses and Challenges. <i>Small</i> , 2019, 15, e1804760.	5.2	412

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127	Structural and defect engineering of cobaltic oxide nanoarchitectures as an ultrahigh energy density and super durable cathode for Zn-based batteries. <i>Chemical Science</i> , 2019, 10, 7600-7609.	3.7	40
128	Natural Cellulose Nanofibril Tailored NiFe Nanoparticles for Efficient Oxygen Evolution Reaction. <i>ChemElectroChem</i> , 2019, 6, 3303-3310.	1.7	10
129	An ultra-dense Ni ₂ /reduced graphene oxide composite cathode for high-volumetric/gravimetric energy density nickel-zinc batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15654-15661.	5.2	108
130	Oxygen vacancy activated Bi ₂ O ₃ nanoflowers as a high-performance anode for rechargeable alkaline battery. <i>Journal of Power Sources</i> , 2019, 433, 126684.	4.0	67
131	Facile Synthesis of Porous Carbon Nanoarchitectures as Advanced and Durable Electrodes for Supercapacitors. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900115.	1.2	14
132	Stabilized Molybdenum Trioxide Nanowires as Novel Ultrahigh Capacity Cathode for Rechargeable Zinc Ion Battery. <i>Advanced Science</i> , 2019, 6, 1900151.	5.6	165
133	Tuning the magnetization dynamics of TbIII-based single-chain magnets through substitution on the nitronyl nitroxide radical. <i>Dalton Transactions</i> , 2019, 48, 8989-8994.	1.6	7
134	Three-dimensional skin-framework hybrid network as electroactive material platform for high-performance solid-state asymmetric supercapacitor. <i>RSC Advances</i> , 2019, 9, 12877-12885.	1.7	0
135	Nitrogen and Phosphorus Codoped Vertical Graphene/Carbon Cloth as a Binder-Free Anode for Flexible Advanced Potassium Ion Full Batteries. <i>Small</i> , 2019, 15, e1901285.	5.2	115
136	Hierarchical Porous Ni ₃ S ₄ with Enriched High Valence Ni Sites as a Robust Electrocatalyst for Efficient Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2019, 29, 1900315.	7.8	281
137	Hierarchically Porous Carbon Plates Derived from Wood as Bifunctional ORR/OER Electrodes. <i>Advanced Materials</i> , 2019, 31, e1900341.	11.1	320
138	A high over-potential binder-free electrode constructed of Prussian blue and MnO ₂ for high performance aqueous supercapacitors. <i>Nano Research</i> , 2019, 12, 1061-1069.	5.8	62
139	Ni ₃ S ₂ @PANI core-shell nanosheets as a durable and high-energy binder-free cathode for aqueous rechargeable nickel-zinc batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10629-10635.	5.2	81
140	Electrochemically Activated Nickel-Carbon Composite as Ultrastable Cathodes for Rechargeable Nickel-Zinc Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14854-14861.	4.0	47
141	Enhanced catalytic activity of Au core Pd shell Pt cluster trimetallic nanorods for CO ₂ reduction. <i>RSC Advances</i> , 2019, 9, 10168-10173.	1.7	11
142	Engineering high reversibility and fast kinetics of Bi nanoflakes by surface modulation for ultrastable nickel-bismuth batteries. <i>Chemical Science</i> , 2019, 10, 3602-3607.	3.7	49
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