

Jiantao T Han

List of Publications by Year in descending order

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118
papers

7,218
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39640

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82
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122
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docs citations

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9008
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-Doped Graphene-Rich Catalysts Derived from Heteroatom Polymers for Oxygen Reduction in Nonaqueous Lithium ⁺ O ²⁻ Battery Cathodes. ACS Nano, 2012, 6, 9764-9776.	14.9	495
2	Routes to High Energy Cathodes of Sodium-Ion Batteries. Advanced Energy Materials, 2016, 6, 1501727.	21.5	426
3	NiFe (Oxy) Hydroxides Derived from NiFe Disulfides as an Efficient Oxygen Evolution Catalyst for Rechargeable Zn-Air Batteries: The Effect of Surface S Residues. Advanced Materials, 2018, 30, e1800757.	23.6	233
4	High-performance single atom bifunctional oxygen catalysts derived from ZIF-67 superstructures. Nano Energy, 2019, 61, 245-250.	16.0	219
5	Inhibition of Manganese Dissolution in Mn ₂ O ₃ Cathode with Controllable Ni ²⁺ Incorporation for High-Performance Zinc Ion Battery. Advanced Functional Materials, 2021, 31, 2009412.	16.0	204
6	Tungsten-Doped Li ₂ O-PtCo Ultrasmall Nanoparticles as a High-Performance Fuel Cell Cathode. Angewandte Chemie - International Edition, 2019, 58, 15471-15477.	14.2	182
7	Sonocatalytic degradation of methyl orange in the presence of TiO ₂ catalysts and catalytic activity comparison of rutile and anatase. Ultrasonics Sonochemistry, 2005, 12, 331-337.	8.2	174
8	Ultrasound Switch and Thermal Self-Repair of Morphology and Surface Wettability in a Cholesterol-Based Self-Assembly System. Angewandte Chemie - International Edition, 2008, 47, 1063-1067.	14.2	163
9	Synthesis, Crystal Structure, and Elastic Properties of Novel Tungsten Nitrides. Chemistry of Materials, 2012, 24, 3023-3028.	6.8	159
10	A Dual-Insertion Type Sodium-Ion Full Cell Based on High-Quality Ternary-Metal Prussian Blue Analogs. Advanced Energy Materials, 2018, 8, 1702856.	21.5	159
11	Low-Cost and High-Performance Hard Carbon Anode Materials for Sodium-Ion Batteries. ACS Omega, 2017, 2, 1687-1695.	3.5	157
12	Metal-Organic Framework Derived Honeycomb Co ₉ S ₈ @C Composites for High-Performance Supercapacitors. Advanced Energy Materials, 2018, 8, 1801080.	21.5	153
13	High valence Mo-doped Na ₃ V ₂ (PO ₄) ₃ /C as a high rate and stable cycle-life cathode for sodium battery. Journal of Materials Chemistry A, 2018, 6, 1390-1396.	10.3	141
14	Rare Earth Ion-Doped CsPbBr ₃ Nanocrystals. Advanced Optical Materials, 2018, 6, 1700864.	7.6	140
15	Sub-6 nm Fully Ordered <i>Li</i> ₂ O-Pt-Ni-Co Nanoparticles Enhance Oxygen Reduction via Co Doping Induced Ferromagnetism Enhancement and Optimized Surface Strain. Advanced Energy Materials, 2019, 9, 1803771.	21.5	136
16	Superior Na-ion storage achieved by Ti substitution in Na ₃ V ₂ (PO ₄) ₃ . Energy Storage Materials, 2018, 15, 108-115.	18.0	118
17	Porous N, B co-doped carbon nanotubes as efficient metal-free electrocatalysts for ORR and Zn-air batteries. Chemical Engineering Journal, 2021, 422, 130134.	12.7	118
18	Bifunctional Atomically Dispersed MoN ₂ /C Nanosheets Boost Lithium Sulfide Deposition/Decomposition for Stable Lithium-Sulfur Batteries. ACS Nano, 2020, 14, 10115-10126.	14.9	116

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19	High-Performance Direct Methanol Fuel Cells with Precious-Metal-Free Cathode. <i>Advanced Science</i> , 2016, 3, 1600140.	12.1	107
20	High-Performance Hard Carbon Anode: Tunable Local Structures and Sodium Storage Mechanism. <i>ACS Applied Energy Materials</i> , 2018, 1, 2295-2305.	5.2	107
21	Structure Distortion Induced Monoclinic Nickel Hexacyanoferrate as High-Performance Cathode for Na-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1803158.	21.5	106
22	Regulating solvation structure to stabilize zinc anode by fastening the free water molecules with an inorganic colloidal electrolyte. <i>Nano Energy</i> , 2022, 93, 106839.	16.0	105
23	Amorphous Co-Fe-P nanospheres for efficient water oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25378-25384.	10.3	103
24	Experimental visualization of lithium conduction pathways in garnet-type Li ₇ La ₃ Zr ₂ O ₁₂ . <i>Chemical Communications</i> , 2012, 48, 9840.	4.1	100
25	Atomic-Level Fe-N-C Coupled with Fe ₃ C-Fe Nanocomposites in Carbon Matrixes as High-Efficiency Bifunctional Oxygen Catalysts. <i>Small</i> , 2020, 16, e1906057.	10.9	99
26	Triple-Stimuli-Responsive Smart Nanocontainers Enhanced Self-Healing Anticorrosion Coatings for Protection of Aluminum Alloy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4425-4438.	8.1	88
27	A Metal-Organic Compound as Cathode Material with Superhigh Capacity Achieved by Reversible Cationic and Anionic Redox Chemistry for High-Energy Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6793-6797.	14.2	86
28	Enhanced Oxygen Evolution Reaction Activity by Encapsulating NiFe Alloy Nanoparticles in Nitrogen-Doped Carbon Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31503-31513.	8.1	85
29	Graphene-Roll-Wrapped Prussian Blue Nanospheres as a High-Performance Binder-Free Cathode for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25317-25322.	8.1	83
30	Thermally-induced reversible structural isomerization in colloidal semiconductor CdS magic-size clusters. <i>Nature Communications</i> , 2018, 9, 2499.	12.8	83
31	Two Birds with One Stone: Boosting Zinc-Ion Insertion/Extraction Kinetics and Suppressing Vanadium Dissolution of V ₂ O ₅ via La ³⁺ Incorporation Enable Advanced Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38416-38424.	8.1	81
32	Efficient entrapment and catalytic conversion of lithium polysulfides on hollow metal oxide submicro-spheres as lithium-sulfur battery cathodes. <i>Nanoscale</i> , 2018, 10, 5634-5641.	5.6	74
33	F-doped O ₃ -NaNi _{1/3} Fe _{1/3} Mn _{1/3} O ₂ as high-performance cathode materials for sodium-ion batteries. <i>Science China Materials</i> , 2017, 60, 629-636.	6.4	73
34	Realization of a High-Voltage and High-Rate Nickel-Rich NCM Cathode Material for LIBs by Co and Ti Dual Modification. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17707-17716.	8.1	73
35	Enhancing Sodium-Ion Storage Behaviors in TiNb ₂ O ₇ by Mechanical Ball Milling. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8696-8703.	8.1	72
36	Defect-free-induced Na ⁺ disordering in electrode materials. <i>Energy and Environmental Science</i> , 2021, 14, 3130-3140.	31.3	72

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37	Electron density modulation of MoP by rare earth metal as highly efficient electrocatalysts for pH-universal hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2021, 299, 120657.	20.2	68
38	Promoting C ₂₊ Production from Electrochemical CO ₂ Reduction on Shape-Controlled Cuprous Oxide Nanocrystals with High-Index Facets. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15223-15229.	6.7	63
39	Crystallization-induced ultrafast Na-ion diffusion in nickel hexacyanoferrate for high-performance sodium-ion batteries. <i>Nano Energy</i> , 2020, 67, 104250.	16.0	60
40	Ultrathin and defect-rich intermetallic Pd ₂ Sn nanosheets for efficient oxygen reduction electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15665-15669.	10.3	57
41	Dual redox-active copper hexacyanoferrate nanosheets as cathode materials for advanced sodium-ion batteries. <i>Energy Storage Materials</i> , 2020, 33, 432-441.	18.0	56
42	Porous NaTi ₂ (PO ₄) ₃ /C Hierarchical Nanofibers for Ultrafast Electrochemical Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27039-27046.	8.1	55
43	Enabling Anionic Redox Stability of P ₂ Na _{5/6} Li _{1/4} Mn _{3/4} O ₂ by Mg Substitution. <i>Advanced Materials</i> , 2022, 34, e2105404.	23.6	55
44	Structure, morphology, and cathode performance of Li _{1-x} [Ni _{0.5} Mn _{1.5}]O ₄ prepared by coprecipitation with oxalic acid. <i>Journal of Power Sources</i> , 2010, 195, 2918-2923.	7.9	54
45	Sustained Release Strategy Designed for Lixisenatide Delivery to Synchronously Treat Diabetes and Associated Complications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29604-29618.	8.1	54
46	Hierarchical Cu doped SnSe nanoclusters as high-performance anode for sodium-ion batteries. <i>Electrochimica Acta</i> , 2018, 282, 973-980.	5.3	52
47	New P ₂ -Type Honeycomb-Layered Sodium-Ion Conductor: Na ₂ Mg ₂ TeO ₆ . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15760-15766.	8.1	49
48	Elemental selenium enables enhanced water oxidation electrocatalysis of NiFe layered double hydroxides. <i>Nanoscale</i> , 2019, 11, 17376-17383.	5.6	49
49	A P ₂ -Type Layered Superionic Conductor Ga-Doped Na ₂ Zn ₂ TeO ₆ for All-Solid-State Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 1057-1061.	3.8	48
50	In-Situ Self-Assembly of Core-Shell Multimetal Prussian Blue Analogues for High-Performance Sodium-Ion Batteries. <i>ChemSusChem</i> , 2019, 12, 4786-4790.	7.2	48
51	Ultrasound Switch and Thermal Self-Repair of Morphology and Surface Wettability in a Cholesterol-Based Self-Assembly System. <i>Angewandte Chemie</i> , 2008, 120, 1079-1083.	2.1	47
52	Phase-transformed Mo ₄ P ₃ nanoparticles as efficient catalysts towards lithium polysulfide conversion for lithium-sulfur battery. <i>Electrochimica Acta</i> , 2020, 330, 135310.	5.3	47
53	Access to M ^[sup 3+] /M ^[sup 2+] Redox Couples in Layered LIMS ₂ Sulfides (M=Ti, V, Cr) as Anodes for Li-Ion Battery. <i>Journal of the Electrochemical Society</i> , 2009, 156, A703.	2.9	46
54	Hydrochloric acid corrosion induced bifunctional free-standing NiFe hydroxide nanosheets towards high-performance alkaline seawater splitting. <i>Nanoscale</i> , 2020, 12, 21743-21749.	5.6	46

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55	Nitrogen-doped carbon coated LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ cathode with enhanced electrochemical performance for Li-Ion batteries. <i>Electrochimica Acta</i> , 2018, 284, 526-533.	5.3	45
56	Ca-doped Na ₂ Zn ₂ TeO ₆ layered sodium conductor for all-solid-state sodium-ion batteries. <i>Electrochimica Acta</i> , 2019, 298, 121-126.	5.3	45
57	In Situ FTIR-Assisted Synthesis of Nickel Hexacyanoferrate Cathodes for Long-Life Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29985-29992.	8.1	43
58	A Metal-Organic Compound as Cathode Material with Superhigh Capacity Achieved by Reversible Cationic and Anionic Redox Chemistry for High-Energy Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2017, 129, 6897-6901.	2.1	41
59	Highly crystalline nickel hexacyanoferrate as a long-life cathode material for sodium-ion batteries. <i>RSC Advances</i> , 2020, 10, 27033-27041.	3.7	39
60	Crystal structure and encapsulation dynamics of ice II-structured neon hydrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10456-10461.	7.4	38
61	Effects of Sr-site deficiency on structure and electrochemical performance in Sr ₂ MgMoO ₆ for solid-oxide fuel cell. <i>Journal of Power Sources</i> , 2014, 270, 441-448.	7.9	38
62	A novel photo-responsive organogel based on azobenzene. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 338-343.	1.8	37
63	Constructing Co-N-C Catalyst via a Double Crosslinking Hydrogel Strategy for Enhanced Oxygen Reduction Catalysis in Fuel Cells. <i>Small</i> , 2021, 17, e2100735.	10.9	37
64	Layer-Dependent Interfacial Transport and Optoelectrical Properties of MoS ₂ on Ultraflat Metals. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31543-31550.	8.1	35
65	3D hierarchical porous Co _{1-x} S@C derived from a ZIF-67 single crystals self-assembling superstructure with superior pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17248-17253.	10.3	35
66	High pressure-high temperature synthesis of lithium-rich Li ₃ O(Cl, Br) and Li _{3-x} Cax/2OCl anti-perovskite halides. <i>Inorganic Chemistry Communication</i> , 2014, 48, 140-143.	3.9	33
67	Tungsten-Doped Li ₂ O-PtCo Ultrasmall Nanoparticles as a High-Performance Fuel Cell Cathode. <i>Angewandte Chemie</i> , 2019, 131, 15617-15623.	2.1	31
68	Bimetallic Co/Mo ₂ C Nanoparticles Embedded in 3D Hierarchical N-Doped Carbon Heterostructures as Highly Efficient Electrocatalysts for Water Splitting. <i>ChemCatChem</i> , 2020, 12, 3737-3745.	3.7	30
69	Novel Cerium Hexacyanoferrate(II) as Cathode Material for Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 187-191.	5.2	29
70	Accelerated polysulfide conversion on hierarchical porous vanadium-nitrogen-carbon for advanced lithium-sulfur batteries. <i>Nanoscale</i> , 2020, 12, 584-590.	5.6	27
71	Correlation between Potassium-Ion Storage Mechanism and Local Structural Evolution in Hard Carbon Materials. <i>Chemistry of Materials</i> , 2022, 34, 4202-4211.	6.8	26
72	Reducible Co ³⁺ -O Sites of Co-Ni-P-O _x on CeO ₂ Nanorods Boost Acidic Water Oxidation via Interfacial Charge Transfer-Promoted Surface Reconstruction. <i>ACS Catalysis</i> , 2023, 13, 5194-5204.	11.3	26

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73	Immobilizing an organic electrode material through π - π interaction for high-performance Li-organic batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22398-22404.	10.3	25
74	Regulating the Unhybridized O 2 <i>p</i> Orbitals of High-Performance Li-Rich Mn-Based Layered Oxide Cathode by Gd-Doping Induced Bulk Oxygen Vacancies. <i>Advanced Functional Materials</i> , 2023, 33, .	16.0	24
75	N,S-Co-Doped Porous Carbon Nanofiber Films Derived from Fullerenes (C ₆₀) as Efficient Electrocatalysts for Oxygen Reduction and a Zn-Air Battery. <i>Chemistry - A European Journal</i> , 2021, 27, 1423-1429.	3.8	23
76	High Performance Low-Temperature Lithium Metal Batteries Enabled by Tailored Electrolyte Solvation Structure. <i>Small</i> , 2023, 19, .	10.9	22
77	Construction of an N-Decorated Carbon-Encapsulated W ₂ C/WP Heterostructure as an Efficient Electrocatalyst for Hydrogen Evolution in Both Alkaline and Acidic Media. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53955-53964.	8.1	21
78	Electrolyte Salts for Sodium-Ion Batteries: NaPF ₆ or NaClO ₄ ?. <i>ACS Nano</i> , 2023, 17, 18608-18615.	14.9	21
79	Redox Behaviors of Ni and Cr with Different Counter Cations in Spinel Cathodes for Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2010, 157, A770.	2.9	20
80	Li ₆ La ₃ SnMO ₁₂ (M = Sb, Nb, Ta), a Family of Lithium Garnets with High Li-Ion Conductivity. <i>Journal of the Electrochemical Society</i> , 2012, 159, A1148-A1151.	2.9	20
81	Local Structural Changes and Inductive Effects on Ion Conduction in Antiperovskite Solid Electrolytes. <i>Chemistry of Materials</i> , 2020, 32, 8827-8835.	6.8	20
82	Local Structures of Soft Carbon and Electrochemical Performance of Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28261-28269.	8.1	20
83	Yolk@Shell Structured MnS@Nitrogen-Doped Carbon as a Sulfur Host and Polysulfide Conversion Booster for Lithium/Sodium Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 3487-3494.	5.2	19
84	A new layered titanate Na ₂ Li ₂ Ti ₅ O ₁₂ as a high-performance intercalation anode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22208-22215.	10.3	18
85	An effective dual-modification strategy to enhance the performance of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ cathode for Li-ion batteries. <i>Nanoscale</i> , 2021, 13, 4670-4677.	5.6	18
86	Engineering a High-Voltage Durable Cathode/Electrolyte Interface for All-Solid-State Lithium Metal Batteries via <i>In Situ</i> Electropolymerization. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21018-21027.	8.1	18
87	Molybdenum-doped ordered L1 ₀ -PdZn nanosheets for enhanced oxygen reduction electrocatalysis. <i>SusMat</i> , 2022, 2, 347-356.	15.6	18
88	Stereo- and Regioselectivity in Catalyzed Transformation of a 1,2-Disubstituted Vicinal Diol and the Corresponding Diketone by Wild Type and Laboratory Evolved Alcohol Dehydrogenases. <i>ACS Catalysis</i> , 2018, 8, 7526-7538.	11.3	17
89	Al doping effects on LiCrTiO ₄ as an anode for lithium-ion batteries. <i>RSC Advances</i> , 2017, 7, 4791-4797.	3.7	16
90	Core@shell Sb@Sb ₂ O ₃ nanoparticles anchored on 3D nitrogen-doped carbon nanosheets as advanced anode materials for Li-ion batteries. <i>Nanoscale Advances</i> , 2020, 2, 5578-5583.	4.5	14

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91	A High Rate and Stable Hybrid Li/Na ⁺ Ion Battery Based on a Hydrated Molten Inorganic Salt Electrolyte. <i>Small</i> , 2021, 17, e2101650.	10.9	13
92	Unusual structural evolution in KCuF ₃ at high temperatures by neutron powder diffraction. <i>Physical Review B</i> , 2013, 87, .	3.2	12
93	Defect-rich N/S-co-doped porous hollow carbon nanospheres derived from fullerenes as efficient electrocatalysts for the oxygen-reduction reaction and Zn ⁺ air batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7873-7882.	5.8	12
94	Redox potential regulation toward suppressing hydrogen evolution in aqueous sodium-ion batteries: Na _{1.5} Ti _{1.5} Fe _{0.5} (PO ₄) ₃ . <i>Journal of Materials Chemistry A</i> , 2019, 7, 24953-24963.	10.3	11
95	Phosphorus doping stabilized LiNi _{0.83} Co _{0.12} Mn _{0.05} O ₂ with enhanced elevated-temperature electrochemical performance for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 16666-16674.	10.3	11
96	Protrusion-Rich Cu@NiRu Core-shell Nanotubes for Efficient Alkaline Hydrogen Evolution Electrocatalysis. <i>Small</i> , 2022, 18, .	10.9	11
97	Modulation of Redox Chemistry of Na ₂ Mn ₃ O ₇ by Selective Boron Doping Prompted by Na Vacancies. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 38769-38777.	8.1	9
98	Defective porous carbon microrods derived from fullerenes (C ₇₀) as high-performance electrocatalysts for the oxygen reduction reaction. <i>Nanoscale</i> , 2022, 14, 473-481.	5.6	8
99	Collective Surface Enabling an Ultralong Life of LiCoO ₂ at High Voltage and Elevated Temperature. <i>Advanced Functional Materials</i> , 2023, 33, .	16.0	8
100	High Chaos Induced Multiple-Anion-Rich Solvation Structure Enabling Ultrahigh Voltage and Wide Temperature Lithium-Metal Batteries. <i>ACS Nano</i> , 2023, 17, 24259-24267.	14.9	8
101	Assessment of Early Markers of Cardiovascular Risk in Polycystic Ovary Syndrome. <i>European Endocrinology</i> , 2021, 17, 37.	1.5	7
102	Conductive MOF on ZIF-Derived Carbon Fibers as Superior Anode in Sodium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 29170-29177.	8.1	7
103	Reinterpreting the correlation between cycling stability of Ni-rich layered oxide cathode and the charging cut-off voltage in Li-ion batteries. <i>Nano Energy</i> , 2023, 115, 108699.	16.0	7
104	Magnetic origin of phase stability in cubic $\hat{1}^3$ -MoN. <i>Applied Physics Letters</i> , 2018, 113, 221901.	3.2	6
105	Hard carbon spheres prepared by a modified Stober method as anode material for high-performance potassium-ion batteries. <i>RSC Advances</i> , 2021, 11, 14883-14890.	3.7	6
106	Ni-Containing Electrolytes for Superior Zinc-Ion Aqueous Batteries with Zinc Hexacyanoferrate Cathodes. <i>ACS Omega</i> , 2022, 7, 33942-33948.	3.5	6
107	Fullerene-Derived Porous and Defective N-Doped Carbon Nanosheets as Advanced Trifunctional Metal-Free Electrocatalysts. <i>Chemistry - an Asian Journal</i> , 2023, 18, .	3.4	6
108	Tailoring Electrolytes to Enable Low-Temperature Cycling of Ni-Rich NCM Cathode Materials for Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 5867-5874.	5.2	5

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109	Surface-interspersed nanoparticles induced cathode-electrolyte interphase enabling stable cycling of high-voltage LiCoO ₂ . <i>Nano Energy</i> , 2024, 119, 109031.	16.0	5
110	Boosting Li/Na storage performance of graphite by defect engineering. <i>RSC Advances</i> , 2021, 11, 22297-22304.	3.7	4
111	Seamlessly Merging the Capacity of P into Sb at Same Voltage with Maintained Superior Cycle Stability and Low-temperature Performance for Li-ion Batteries. <i>Energy and Environmental Materials</i> , 2023, 6, .	12.9	4
112	Metal bond strength regulation enables large-scale synthesis of intermetallic nanocrystals for practical fuel cells. <i>Nature Materials</i> , 0, , .	25.8	4
113	Room Temperature Molten Salt-Based Polymer Electrolyte Enabling a High-Rate and High-Thermal Stability Hybrid Li/Na-Ion Battery. <i>ACS Applied Energy Materials</i> , 2022, 5, 6110-6117.	5.2	3
114	Cation Disordered Anti-Perovskite Cathode Materials with Enhanced Lithium Diffusion and Suppressed Phase Transition. <i>Advanced Energy Materials</i> , 2023, 13, .	21.5	3
115	Antioxidant layer enables chemically stable cathode-electrolyte interface towards durable and safe Li-ion batteries. <i>Energy Storage Materials</i> , 2023, 61, 102872.	18.0	1
116	Unraveling the incompatibility mechanism of ethylene carbonate-based electrolytes in sodium metal anodes. <i>Journal of Energy Chemistry</i> , 2024, 94, 560-567.	13.1	0
117	Gradient fluorination engineering through interdiffusion reaction for high-voltage LiCoO ₂ . <i>Energy Storage Materials</i> , 2024, 70, 103446.	18.0	0
118	Enhanced cycling stability in 4.6 V LiCoO ₂ for high energy density lithium-ion batteries through Al and Y co-doping. <i>Energy Storage Materials</i> , 2024, 70, 103459.	18.0	0