

Xiaodong Guo

List of Publications by Year in descending order

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157
papers

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citations

34105

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all docs

159
docs citations

159
times ranked

5801
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the intrinsic electronic conductivity of NiMoO ₄ anodes by phosphorous doping for high lithium storage. Nano Research, 2022, 15, 186-194.	10.4	94
2	N-doped carbon nanotubes supported CoSe ₂ nanoparticles: A highly efficient and stable catalyst for H ₂ O ₂ electrosynthesis in acidic media. Nano Research, 2022, 15, 304-309.	10.4	90
3	Novel functional separator with self-assembled MnO ₂ layer via a simple and fast method in lithium-sulfur battery. Journal of Colloid and Interface Science, 2022, 606, 666-676.	9.4	33
4	Mn-Rich Phosphate Cathodes for Na-Ion Batteries with Superior Rate Performance. ACS Energy Letters, 2022, 7, 97-107.	17.4	91
5	Revisiting the Preparation Progress of Nano-Structured Si Anodes toward Industrial Application from the Perspective of Cost and Scalability. Advanced Energy Materials, 2022, 12, 2102181.	19.5	65
6	A Janus Separator for Inhibiting Shuttle Effect and Lithium Dendrite in Lithium-Sulfur Batteries. Batteries and Supercaps, 2022, 5, .	4.7	17
7	Highly Oriented {010} Crystal Plane Induced by Boron in Cobalt-Free Li- and Mn-Rich Layered Oxide. ACS Applied Materials & Interfaces, 2022, 14, 2711-2719.	8.0	11
8	TiO ₂ @Chlorella-Based Biomass Carbon Modified Separator for High-Rate Lithium-Sulfur Batteries. Industrial & Engineering Chemistry Research, 2022, 61, 1761-1772.	3.7	11
9	Research progress in O ₃ -type phase Fe/Mn/Cu-based layered cathode materials for sodium ion batteries. Journal of Materials Chemistry A, 2022, 10, 3869-3888.	10.3	36
10	Integrating Multi-Heterointerfaces in a 1D@2D@1D Hierarchical Structure via Autocatalytic Pyrolysis for Ultra-Efficient Microwave Absorption Performance. Small, 2022, 18, e2105411.	10.0	47
11	Structural Reconstruction Driven by Oxygen Vacancies in Layered Ni-Rich Cathodes. Advanced Energy Materials, 2022, 12, .	19.5	53
12	A Janus Separator for Inhibiting Shuttle Effect and Lithium Dendrite in Lithium-Sulfur Batteries. Batteries and Supercaps, 2022, 5, .	4.7	1
13	Understanding of the Irreversible Phase Transition and Zr-Doped Modification Strategy for a Nickel-Rich Cathode under a High Voltage. ACS Sustainable Chemistry and Engineering, 2022, 10, 3651-3660.	6.7	14
14	A Unique Structure of Highly Stable Interphase and Self-Consistent Stress Distribution Radial-Gradient Porous for Silicon Anode. Advanced Functional Materials, 2022, 32, .	14.9	34
15	New Insight into High-Rate Performance Lithium-Rich Cathode Synthesis through Controlling the Reaction Pathways by Low-Temperature Intermediates. Industrial & Engineering Chemistry Research, 2022, 61, 453-463.	3.7	4
16	Revisit the Progress of Binders for a Silicon-Based Anode from the Perspective of Designed Binder Structure and Special Sized Silicon Nanoparticles. Industrial & Engineering Chemistry Research, 2022, 61, 6246-6268.	3.7	13
17	Tuning the Delithiation State of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ Enabling the Electronic Structure Modification to Enhance the Conversion of Polysulfides in a Lithium-Sulfur Battery. Industrial & Engineering Chemistry Research, 2022, 61, 6521-6530.	3.7	3
18	Enhancing Electrocatalytic NO Reduction to NH ₃ by the CoS Nanosheet with Sulfur Vacancies. Inorganic Chemistry, 2022, 61, 8096-8102.	4.0	26

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19	N-Doped C/ZnO-Modified Cu Foil Current Collector for a Stable Anode of Lithium-Metal Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 7303-7311.	3.7	4
20	Controlled synthesis of mesoporous Si/C composites anode via confining carbon coating and Mg gas reduction. <i>Journal of Colloid and Interface Science</i> , 2022, 627, 151-159.	9.4	6
21	Direct conversion of ester bond-rich waste plastics into hard carbon for high-performance sodium storage. <i>Carbon</i> , 2021, 173, 253-261.	10.3	34
22	Rapid in-situ fabrication of Fe ₃ O ₄ /Fe ₇ S ₈ @C composite as anode materials for lithium-ion batteries. <i>Materials Research Bulletin</i> , 2021, 133, 111021.	5.2	15
23	Dual-site lattice modification regulated cationic ordering for Ni-rich cathode towards boosted structural integrity and cycle stability. <i>Chemical Engineering Journal</i> , 2021, 403, 126314.	12.7	75
24	The structural origin of enhanced stability of Na _{3.32} Fe _{2.11} Ca _{0.23} (P ₂ O ₇) ₂ cathode for Na-ion batteries. <i>Nano Energy</i> , 2021, 79, 105417.	16.0	23
25	Suppressing capacity fading and voltage decay of Ni-rich cathode material by dual-ion doping for lithium-ion batteries. <i>Journal of Materials Science</i> , 2021, 56, 2347-2359.	3.7	14
26	Rational design of carbon materials as anodes for potassium-ion batteries. <i>Energy Storage Materials</i> , 2021, 34, 483-507.	18.0	130
27	Synthesis of N-doped straw sheaf-like porous MnO@C composite as anode of advanced lithium-/sodium-ion batteries. <i>Ionics</i> , 2021, 27, 551-559.	2.4	4
28	N, O co-doped chlorella-based biomass carbon modified separator for lithium-sulfur battery with high capacity and long cycle performance. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 43-50.	9.4	81
29	A review of rational design and investigation of binders applied in silicon-based anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2021, 485, 229331.	7.8	69
30	The direct application of spent graphite as a functional interlayer with enhanced polysulfide trapping and catalytic performance for Li-S batteries. <i>Green Chemistry</i> , 2021, 23, 942-950.	9.0	43
31	Inhibition of the shuttle effect of lithium-sulfur batteries via a tannic acid-metal one-step in situ chemical film-forming modified separator. <i>Nanoscale</i> , 2021, 13, 5058-5068.	5.6	15
32	Silicon/graphite composite anode with constrained swelling and a stable solid electrolyte interphase enabled by spent graphite. <i>Green Chemistry</i> , 2021, 23, 4531-4539.	9.0	40
33	CoTe nanoparticle-embedded N-doped hollow carbon polyhedron: an efficient catalyst for H ₂ O ₂ electro-synthesis in acidic media. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21703-21707.	10.3	29
34	Hard carbon for sodium storage: mechanism and optimization strategies toward commercialization. <i>Energy and Environmental Science</i> , 2021, 14, 2244-2262.	30.8	177
35	Preparation of intergrown P/O-type biphasic layered oxides as high-performance cathodes for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13151-13160.	10.3	26
36	Progress and perspective of metal phosphide/carbon heterostructure anodes for rechargeable ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11879-11907.	10.3	102

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37	New Insights into the Mechanism of Enhanced Performance of $\text{Li}[\text{Ni}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2]$ with a Polyacrylic Acid-Modified Binder. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10064-10070.	8.0	5
38	Core-Shell MOF@COF Motif Hybridization: Selectively Functionalized Precursors for Titanium Dioxide Nanoparticle-Embedded Nitrogen-Rich Carbon Architectures with Superior Capacitive Deionization Performance. <i>Chemistry of Materials</i> , 2021, 33, 1657-1666.	6.7	121
39	A compared investigation of different biogum polymer binders for silicon anode of lithium-ion batteries. <i>Ionics</i> , 2021, 27, 1829-1836.	2.4	8
40	A Ge/Carbon Atomic-Scale Hybrid Anode Material: A Micro-Nano Gradient Porous Structure with High Cycling Stability. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12539-12546.	13.8	41
41	Exposing microstructure evolution of Ni-Rich Ni-Co-Al hydroxide precursor. <i>Chemical Engineering Science</i> , 2021, 233, 116337.	3.8	13
42	A Novel NASICON-Typed $\text{Na}_4\text{VMn}_{0.5}\text{Fe}_{0.5}(\text{PO}_4)_3$ Cathode for High-Performance Na-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100729.	19.5	108
43	A Ge/Carbon Atomic-Scale Hybrid Anode Material: A Micro-Nano Gradient Porous Structure with High Cycling Stability. <i>Angewandte Chemie</i> , 2021, 133, 12647-12654.	2.0	4
44	Directionally Tailoring Macroporous Honeycomb-Like Structured Carbon Nanofibers toward High-Capacitive Potassium Storage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30693-30702.	8.0	25
45	Solid Electrolyte Interphase Composition Regulation via Coating AlF_3 for a High-Performance Hard Carbon Anode in Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 8242-8251.	5.1	6
46	Microstructure-Controlled Li-Rich Mn-Based Cathodes by a Gas-Solid Interface Reaction for Tackling the Continuous Activation of Li_2MnO_3 . <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40995-41003.	8.0	20
47	Facile In Situ Chemical Cross-Linking Gel Polymer Electrolyte, which Confines the Shuttle Effect with High Ionic Conductivity and Li-Ion Transference Number for Quasi-Solid-State Lithium-Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44497-44508.	8.0	20
48	Constructing cycle-stable Si/TiSi ₂ composites as anode materials for lithium ion batteries through direct utilization of low-purity Si and Ti-bearing blast furnace slag. <i>Journal of Alloys and Compounds</i> , 2021, 876, 160125.	5.5	20
49	A novel Si/TiSi ₂ /G@C composite as anode material with excellent lithium storage performances. <i>Materials Letters</i> , 2021, 299, 130078.	2.6	5
50	A Simple Gas-Solid Treatment for Surface Modification of Li-Rich Oxides Cathodes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23248-23255.	13.8	66
51	A Simple Gas-Solid Treatment for Surface Modification of Li-Rich Oxides Cathodes. <i>Angewandte Chemie</i> , 2021, 133, 23436-23443.	2.0	8
52	SiO_x Anode: From Fundamental Mechanism toward Industrial Application. <i>Small</i> , 2021, 17, e2102641.	10.0	57
53	High-Performance Electrochemical NO Reduction into NH_3 by MoS_2 Nanosheet. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25263-25268.	13.8	180
54	Recent advance in structure regulation of high-capacity Ni-rich layered oxide cathodes. <i>EcoMat</i> , 2021, 3, e12141.	11.9	38

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55	Carbon dioxide solid-phase embedding reaction of silicon-carbon nanoporous composites for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 423, 130127.	12.7	32
56	Unveiling the abnormal capacity rising mechanism of MoS ₂ anode during long-term cycling for sodium-ion batteries. <i>RSC Advances</i> , 2021, 11, 28488-28495.	3.6	11
57	MoO ₂ @C modified separator as an interlayer for high performance lithium-sulfur batteries. <i>Nanotechnology</i> , 2021, 32, 105206.	2.6	9
58	A MnS/FeS ₂ heterostructure with a high degree of lattice matching anchored into carbon skeleton for ultra-stable sodium-ion storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24024-24035.	10.3	38
59	Synergistic Effect of Microstructure Engineering and Local Crystal Structure Tuning to Improve the Cycling Stability of Ni-Rich Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 48720-48729.	8.0	17
60	Cu nanowires modified with carbon-rich conjugated framework PTEB for stabilizing lithium metal anodes. <i>Chemical Communications</i> , 2021, 57, 13606-13609.	4.1	5
61	An integrated cathode and solid electrolyte <i>in situ</i> polymerization with significantly reduced interface resistance. <i>Chemical Communications</i> , 2021, 57, 13004-13007.	4.1	2
62	Synthesis Strategies and Structural Design of Porous Carbon-Incorporated Anodes for Sodium-Ion Batteries. <i>Small Methods</i> , 2020, 4, 1900163.	8.6	49
63	Deciphering an Abnormal Layered-Tunnel Heterostructure Induced by Chemical Substitution for the Sodium Oxide Cathode. <i>Angewandte Chemie</i> , 2020, 132, 1507-1511.	2.0	17
64	Deciphering an Abnormal Layered-Tunnel Heterostructure Induced by Chemical Substitution for the Sodium Oxide Cathode. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1491-1495.	13.8	78
65	Development and Investigation of a NASICON-Type High-Voltage Cathode Material for High-Power Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 2470-2477.	2.0	26
66	Stabilizing the Structure of Nickel-Rich Lithiated Oxides via Cr Doping as Cathode with Boosted High-Voltage/Temperature Cycling Performance for Li-Ion Battery. <i>Energy Technology</i> , 2020, 8, 1900498.	3.8	20
67	Development and Investigation of a NASICON-Type High-Voltage Cathode Material for High-Power Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2449-2456.	13.8	101
68	Enhanced sodium storage property of sodium vanadium phosphate via simultaneous carbon coating and Nb ⁵⁺ doping. <i>Chemical Engineering Journal</i> , 2020, 386, 123953.	12.7	59
69	Poly(ethylene oxide)/Poly(vinylidene fluoride)/Li _{6.4} La ₃ Zr _{1.4} Ta _{0.6} O ₁₂ composite electrolyte with a stable interface for high performance solid state lithium metal batteries. <i>Journal of Power Sources</i> , 2020, 472, 228461.	7.8	37
70	Suppressing the Shuttling of Polysulfide by a Self-Assembled FeOOH Separator in Li-S Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 21066-21076.	3.7	8
71	Self-supported cobalt phosphate nanoarray with pseudocapacitive behavior: An efficient 3D anode material for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 848, 156285.	5.5	13
72	Review of the application of biomass-derived porous carbon in lithium-sulfur batteries. <i>Ionics</i> , 2020, 26, 4765-4781.	2.4	34

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73	Enabling electrochemical conversion of N_2 to NH_3 under ambient conditions by a CoP_3 nanoneedle array. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17956-17959.	10.3	53
74	Rational synthesis of a ZIF-67@Co-Ni LDH heterostructure and derived heterogeneous carbon-based framework as a highly efficient multifunctional sulfur host. <i>Dalton Transactions</i> , 2020, 49, 12686-12694.	3.3	28
75	Three-Dimensional SnS_2 Nanoarrays with Enhanced Lithium-Ion Storage Properties. <i>ChemElectroChem</i> , 2020, 7, 4484-4491.	3.4	8
76	Enabling Superior Electrochemical Performance of Lithium-Rich $Li_{1.2}Ni_{0.2}Mn_{0.6}O_2$ Cathode Materials by Surface Integration. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19312-19321.	3.7	15
77	Na_2S Treatment and Coherent Interface Modification of the Li-Rich Cathode to Address Capacity and Voltage Decay. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42660-42668.	8.0	26
78	Key Parameter Optimization for the Continuous Synthesis of Ni-Rich Ni-Co-Al Cathode Materials for Lithium-Ion Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 22549-22558.	3.7	11
79	Novel Bifunctional Separator with a Self-Assembled FeOOH/Coated $g-C_3N_4$ /KB Bilayer in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57859-57869.	8.0	23
80	Recent advances in electrospun one-dimensional carbon nanofiber structures/heterostructures as anode materials for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11493-11510.	10.3	113
81	Relieving capacity decay and voltage fading of $Li_{1.2}Ni_{0.13}Co_{0.13}Mn_{0.54}O_2$ by Mg^{2+} and PO_4^{3-} dual doping. <i>Materials Research Bulletin</i> , 2020, 130, 110923.	5.2	16
82	Chemical and Structural Evolution during the Synthesis of Layered $Li(Ni,Co,Mn)O_2$ Oxides. <i>Chemistry of Materials</i> , 2020, 32, 4984-4997.	6.7	58
83	Synergistic effect of uniform lattice cation/anion doping to improve structural and electrochemical performance stability for Li-rich cathode materials. <i>Nanotechnology</i> , 2020, 31, 455704.	2.6	14
84	Novel Interlayer on the Separator with the Cr_3C_2 Compound as a Robust Polysulfide Anchor for Lithium-Sulfur Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 7538-7545.	3.7	16
85	Structural elucidation of the degradation mechanism of nickel-rich layered cathodes during high-voltage cycling. <i>Chemical Communications</i> , 2020, 56, 4886-4889.	4.1	34
86	3D hierarchical rose-like Ni_2P @rGO assembled from interconnected nanoflakes as anode for lithium ion batteries. <i>RSC Advances</i> , 2020, 10, 3936-3945.	3.6	19
87	Synthesis of hierarchical Sn/SnO nanosheets assembled by carbon-coated hollow nanospheres as anode materials for lithium/sodium ion batteries. <i>RSC Advances</i> , 2020, 10, 6035-6042.	3.6	19
88	Interfacial Regulation of Ni-Rich Cathode Materials with an Ion-Conductive and Pillaring Layer by Infusing Gradient Boron for Improved Cycle Stability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10240-10251.	8.0	80
89	A novel Mn-based P_2/O_3 tri-phase composite cathode with enhanced sodium storage properties. <i>Chemical Communications</i> , 2020, 56, 2921-2924.	4.1	20
90	General Synthesis of M_xS (M = Co, Cu) Hollow Spheres with Enhanced Sodium-Ion Storage Property in Ether-Based Electrolyte. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 1568-1577.	3.7	11

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91	A fundamental understanding of the Fe/Ti doping induced structure formation process to realize controlled synthesis of layer-tunnel Na _{0.6} MnO ₂ cathode. <i>Nano Energy</i> , 2020, 70, 104539.	16.0	26
92	Layered Oxide Cathodes Promoted by Structure Modulation Technology for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2001334.	14.9	142
93	Mo ₂ C-Embedded Carambola-like N,S-Rich Carbon Framework as the Interlayer Material for High-Rate Lithium-Sulfur Batteries in a Wide Temperature Range. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22971-22980.	8.0	56
94	Hydrangea-Like CuS with Irreversible Amorphization Transition for High-Performance Sodium-Ion Storage. <i>Advanced Science</i> , 2020, 7, 1903279.	11.2	57
95	Platelet-like CuS impregnated with twin crystal structures for high performance sodium-ion storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8049-8057.	10.3	38
96	Research Progress on Improving the Sulfur Conversion Efficiency on the Sulfur Cathode Side in Lithium-Sulfur Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 20979-21000.	3.7	13
97	Large-Scale Synthesis of the Stable Co-Free Layered Oxide Cathode by the Synergetic Contribution of Multielement Chemical Substitution for Practical Sodium-Ion Battery. <i>Research</i> , 2020, 2020, 1469301.	5.7	33
98	Nanowire of WP as a High-Performance Anode Material for Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2019, 25, 971-975.	3.3	15
99	Ion-Doping-Site-Variation-Induced Composite Cathode Adjustment: A Case Study of Layer-Tunnel Na _{0.6} MnO ₂ with Mg ²⁺ Doping at Na/Mn Site. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26938-26945.	8.0	28
100	Lithium-Ion Batteries: Suppressing Manganese Dissolution via Exposing Stable {111} Facets for High-Performance Lithium-Ion Oxide Cathode (<i>Adv. Sci.</i> 13/2019). <i>Advanced Science</i> , 2019, 6, 1970076.	11.2	14
101	Enhanced constraint and catalysed conversion of lithium polysulfides <i>via</i> composite oxides from spent layered cathodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17867-17875.	10.3	28
102	Simultaneous Component Ratio and Particle Size Optimization for High-Performance and High Tap Density P2/P3 Composite Cathode of Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 5155-5161.	3.4	20
103	TiS ₂ nanosheets for efficient electrocatalytic N ₂ fixation to NH ₃ under ambient conditions. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1986-1989.	6.0	19
104	Polyanion and cation co-doping stabilized Ni-rich Ni-Co-Al material as cathode with enhanced electrochemical performance for Li-ion battery. <i>Nano Energy</i> , 2019, 63, 103818.	16.0	164
105	Highly Stabilized Ni-Rich Cathode Material with Mo Induced Epitaxially Grown Nanostructured Hybrid Surface for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16629-16638.	8.0	142
106	Ni ₂ P Nanosheets on Carbon Cloth: An Efficient Flexible Electrode for Sodium-Ion Batteries. <i>Inorganic Chemistry</i> , 2019, 58, 6579-6583.	4.0	35
107	A rational design of the coupling mechanism of physical adsorption and chemical charge effect for high-performance lithium-sulfur batteries. <i>RSC Advances</i> , 2019, 9, 12710-12717.	3.6	12
108	Synergy of doping and coating induced heterogeneous structure and concentration gradient in Ni-rich cathode for enhanced electrochemical performance. <i>Journal of Power Sources</i> , 2019, 423, 144-151.	7.8	106

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109	A Stable Layered Oxide Cathode Material for High-Performance Sodium-Ion Battery. <i>Advanced Energy Materials</i> , 2019, 9, 1803978.	19.5	191
110	Boosting the reactivity of Ni ²⁺ /Ni ³⁺ redox couple via fluorine doping of high performance Na _{0.6} Mn _{0.95} Ni _{0.05} O ₂ -F cathode. <i>Electrochimica Acta</i> , 2019, 308, 64-73.	5.2	37
111	High-Abundance and Low-Cost Metal-Based Cathode Materials for Sodium-Ion Batteries: Problems, Progress, and Key Technologies. <i>Advanced Energy Materials</i> , 2019, 9, 1803609.	19.5	176
112	Structure and electrochemical performance modulation of a LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ cathode material by anion and cation co-doping for lithium ion batteries. <i>RSC Advances</i> , 2019, 9, 36849-36857.	3.6	26
113	Boron-Doped TiO ₂ for Efficient Electrocatalytic N ₂ Fixation to NH ₃ at Ambient Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 117-122.	6.7	131
114	Interpreting Abnormal Charge-Discharge Plateau Migration in CuxS during Long-Term Cycling. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3961-3970.	8.0	31
115	Organic Cross-Linker Enabling a 3D Porous Skeleton-Supported Na ₃ V ₂ (PO ₄) ₃ /Carbon Composite for High Power Sodium-Ion Battery Cathode. <i>Small Methods</i> , 2019, 3, 1800169.	8.6	87
116	Enabling the electrocatalytic fixation of N ₂ to NH ₃ by C-doped TiO ₂ nanoparticles under ambient conditions. <i>Nanoscale Advances</i> , 2019, 1, 961-964.	4.6	44
117	Lithium/Oxygen Incorporation and Microstructural Evolution during Synthesis of Li-Rich Layered Li _{[Li_{0.2}Ni_{0.2}Mn_{0.6}]O₂ Oxides. <i>Advanced Energy Materials</i>, 2019, 9, 1803094.}	19.5	78
118	Cu ²⁺ Dual-Doped Layer-Tunnel Hybrid Na _{0.6} Mn _{1-x} Cu _x O ₂ as a Cathode of Sodium-Ion Battery with Enhanced Structure Stability, Electrochemical Property, and Air Stability. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10147-10156.	8.0	98
119	Efficient Hydrogen Evolution Electrocatalysis at Alkaline pH by Interface Engineering of Ni ₂ P@CeO ₂ . <i>Inorganic Chemistry</i> , 2018, 57, 548-552.	4.0	78
120	Co(OH) ₂ Nanoparticle-Encapsulating Conductive Nanowires Array: Room-Temperature Electrochemical Preparation for High-Performance Water Oxidation Electrocatalysis. <i>Advanced Materials</i> , 2018, 30, 1705366.	21.0	294
121	Synthesis and electrochemical performance of Li ₃ V ₂ (PO ₄) ₃ /C by organic solvent replacement drying method. <i>Ionics</i> , 2018, 24, 385-391.	2.4	2
122	Effect of Na ₂ S treatment on the structural and electrochemical properties of Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ cathode material. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 547-554.	2.5	5
123	Synthesis and lithium-ion storage performances of LiFe _{0.5} Co _{0.5} PO ₄ /C nanoplatelets and nanorods. <i>Ionics</i> , 2018, 24, 2275-2285.	2.4	3
124	In Operando Investigation of the Structural Evolution during Calcination and Corresponding Enhanced Performance of Three-Dimensional Na ₂ Ti ₆ O ₁₃ @C@N Hierarchical Microflowers. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 17430-17436.	3.7	5
125	Three-Dimensional Chestnut-Like Architecture Assembled from NaTi ₃ O ₆ (OH)·2H ₂ O@N-Doped Carbon Nanosheets with Enhanced Sodium Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43740-43748.	8.0	9
126	Construction of homogeneously Al ³⁺ doped Ni rich Ni-Co-Mn cathode with high stable cycling performance and storage stability via scalable continuous precipitation. <i>Electrochimica Acta</i> , 2018, 291, 84-94.	5.2	163

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127	Insight into the Multirole of Graphene in Preparation of High Performance $\text{Na}_{2+x}\text{Fe}_2(\text{SO}_4)_3$ Cathodes. ACS Sustainable Chemistry and Engineering, 2018, 6, 16105-16112.	6.7	24
128	A Layered Tunnel Intergrowth Structure for High Performance Sodium Ion Oxide Cathode. Advanced Energy Materials, 2018, 8, 1800492.	19.5	116
129	Design and Synthesis of Layered $\text{Na}_2\text{Ti}_3\text{O}_7$ and Tunnel $\text{Na}_2\text{Ti}_6\text{O}_{13}$ Hybrid Structures with Enhanced Electrochemical Behavior for Sodium Ion Batteries. Advanced Science, 2018, 5, 1800519.	11.2	102
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