Xiaodong Guo

List of Publications by Citations

148 papers	4,204 citations	37 h-index	58 g-index
159 ext. papers	5,893 ext. citations	9 avg, IF	5.98 L-index

#	Paper	IF	Citations
148	Co(OH) Nanoparticle-Encapsulating Conductive Nanowires Array: Room-Temperature Electrochemical Preparation for High-Performance Water Oxidation Electrocatalysis. *Advanced Materials*, **2018**, 30, 1705366	24	240
147	Enabling Effective Electrocatalytic N Conversion to NH by the TiO Nanosheets Array under Ambient Conditions. *ACS Applied Materials & Interfaces*, **2018**, 10, 28251-28255	9.5	174
146	Carbon-Coated Na Fe (P O) Cathode Material for High-Rate and Long-Life Sodium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1605535	24	123
145	Polyanion and cation co-doping stabilized Ni-rich NiCoAl material as cathode with enhanced electrochemical performance for Li-ion battery. *Nano Energy*, **2019**, 63, 103818	17.1	123
144	A Stable Layered Oxide Cathode Material for High-Performance Sodium-Ion Battery. *Advanced Energy Materials*, **2019**, 9, 1803978	21.8	118
143	Construction of homogeneously Al3+ doped Ni rich Ni-Co-Mn cathode with high stable cycling performance and storage stability via scalable continuous precipitation. *Electrochimica Acta*, **2018**, 291, 84-94	6.7	106
142	High-Abundance and Low-Cost Metal-Based Cathode Materials for Sodium-Ion Batteries: Problems, Progress, and Key Technologies. *Advanced Energy Materials*, **2019**, 9, 1803609	21.8	104
141	Highly Stabilized Ni-Rich Cathode Material with Mo Induced Epitaxially Grown Nanostructured Hybrid Surface for High-Performance Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 16629-16638	9.5	101
140	Boron-Doped TiO2 for Efficient Electrocatalytic N2 Fixation to NH3 at Ambient Conditions. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 117-122	8.3	94
139	Exposing {010} Active Facets by Multiple-Layer Oriented Stacking Nanosheets for High-Performance Capacitive Sodium-Ion Oxide Cathode. *Advanced Materials*, **2018**, 30, e1803765	24	92
138	A Layered–Tunnel Intergrowth Structure for High-Performance Sodium-Ion Oxide Cathode. *Advanced Energy Materials*, **2018**, 8, 1800492	21.8	85
137	Subunits controlled synthesis of Fe2O3 multi-shelled core–shell microspheres and their effects on lithium/sodium ion battery performances. *Journal of Materials Chemistry A*, **2015**, 3, 10092-10099	13	82
136	Construction of 3D pomegranate-like Na3V2(PO4)3/conducting carbon composites for high-power sodium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 9833-9841	13	77
135	FeP nanorod arrays on carbon cloth: a high-performance anode for sodium-ion batteries. *Chemical Communications*, **2018**, 54, 9341-9344	5.8	76
134	Uncovering a facile large-scale synthesis of LiNi1/3Co1/3Mn1/3O2 nanoflowers for high power lithium-ion batteries. *Journal of Power Sources*, **2015**, 275, 200-206	8.9	73
133	Design and Synthesis of Layered NaTiO and Tunnel NaTiO Hybrid Structures with Enhanced Electrochemical Behavior for Sodium-Ion Batteries. *Advanced Science*, **2018**, 5, 1800519	13.6	71
132	Recent advances in electrospun one-dimensional carbon nanofiber structures/heterostructures as anode materials for sodium ion batteries. *Journal of Materials Chemistry A*, **2020**, 8, 11493-11510	13	69

131	Synergy of doping and coating induced heterogeneous structure and concentration gradient in Ni-rich cathode for enhanced electrochemical performance. *Journal of Power Sources*, **2019**, 423, 144-151	8.9	68
130	Layered Oxide Cathodes Promoted by Structure Modulation Technology for Sodium-Ion Batteries. *Advanced Functional Materials*, **2020**, 30, 2001334	15.6	66
129	Cu Dual-Doped Layer-Tunnel Hybrid NaMnCu O as a Cathode of Sodium-Ion Battery with Enhanced Structure Stability, Electrochemical Property, and Air Stability. *ACS Applied Materials & Interfaces*, **2018**, 10, 10147-10156	9.5	66
128	Efficient Hydrogen Evolution Electrocatalysis at Alkaline pH by Interface Engineering of NiP-CeO. *Inorganic Chemistry*, **2018**, 57, 548-552	5.1	63
127	Development and Investigation of a NASICON-Type High-Voltage Cathode Material for High-Power Sodium-Ion Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 2449-2456	16.4	60
126	Rational design of carbon materials as anodes for potassium-ion batteries. *Energy Storage Materials* , **2021**, 34, 483-507	19.4	59
125	Synthesis of FeS@C-N hierarchical porous microspheres for the applications in lithium/sodium ion batteries. *Journal of Alloys and Compounds*, **2016**, 688, 790-797	5.7	57
124	Organic Cross-Linker Enabling a 3D Porous Skeleton‐Supported Na3V2(PO4)3/Carbon Composite for High Power Sodium-Ion Battery Cathode. *Small Methods*, **2019**, 3, 1800169	12.8	57
123	Effect of niobium doping on the structure and electrochemical performance of LiNi 0.5 Co 0.2 Mn 0.3 O 2 cathode materials for lithium ion batteries. *Ceramics International*, **2017**, 43, 3866-3872	5.1	54
122	Deciphering an Abnormal Layered-Tunnel Heterostructure Induced by Chemical Substitution for the Sodium Oxide Cathode. *Angewandte Chemie - International Edition*, **2020**, 59, 1491-1495	16.4	52
121	Lithium/Oxygen Incorporation and Microstructural Evolution during Synthesis of Li-Rich Layered Li[Li0.2Ni0.2Mn0.6]O2 Oxides. *Advanced Energy Materials*, **2019**, 9, 1803094	21.8	52
120	Mn-Based Cathode with Synergetic Layered-Tunnel Hybrid Structures and Their Enhanced Electrochemical Performance in Sodium Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 21267-21275	9.5	48
119	P2-type Na 0.67 Mn 0.72 Ni 0.14 Co 0.14 O 2 with K + doping as new high rate performance cathode material for sodium-ion batteries. *Electrochimica Acta*, **2016**, 216, 51-57	6.7	48
118	Shape-controlled synthesis of hierarchically layered lithium transition-metal oxide cathode materials by shear exfoliation in continuous stirred-tank reactors. *Journal of Materials Chemistry A*, **2017**, 5, 25391-25400	13	46
117	Interfacial Regulation of Ni-Rich Cathode Materials with an Ion-Conductive and Pillaring Layer by Infusing Gradient Boron for Improved Cycle Stability. *ACS Applied Materials & Interfaces*, **2020**, 12, 10240-10251	9.5	45
116	High-Performance Electrochemical NO Reduction into NH by MoS Nanosheet. *Angewandte Chemie - International Edition*, **2021**, 60, 25263-25268	16.4	42
115	Cauliflower-like MnO@C/N composites with multiscale, expanded hierarchical ordered structures as electrode materials for Lithium- and Sodium-ion batteries. *Electrochimica Acta*, **2017**, 246, 931-940	6.7	41
114	Promoting the electrochemical performance of LiNi0.8Co0.1Mn0.1O2 cathode via LaAlO3 coating. *Journal of Alloys and Compounds*, **2018**, 766, 546-555	5.7	41

113	Core–Shell MOF@COF Motif Hybridization: Selectively Functionalized Precursors for Titanium Dioxide Nanoparticle-Embedded Nitrogen-Rich Carbon Architectures with Superior Capacitive Deionization Performance. *Chemistry of Materials*, **2021**, 33, 1657-1666	9.6	41
112	Unravelling the growth mechanism of hierarchically structured Ni1/3Co1/3Mn1/3(OH)2 and their application as precursors for high-power cathode materials. *Electrochimica Acta*, **2017**, 232, 123-131	6.7	37
111	Dual-site lattice modification regulated cationic ordering for Ni-rich cathode towards boosted structural integrity and cycle stability. *Chemical Engineering Journal*, **2021**, 403, 126314	14.7	37
110	Enabling electrochemical conversion of N2 to NH3 under ambient conditions by a CoP3 nanoneedle array. *Journal of Materials Chemistry A*, **2020**, 8, 17956-17959	13	35
109	Hard carbon for sodium storage: mechanism and optimization strategies toward commercialization. *Energy and Environmental Science*, **2021**, 14, 2244-2262	35.4	35
108	MoC-Embedded Carambola-like N,S-Rich Carbon Framework as the Interlayer Material for High-Rate Lithium-Sulfur Batteries in a Wide Temperature Range. *ACS Applied Materials & Interfaces*, **2020**, 12, 22971-22980	9.5	34
107	A review of rational design and investigation of binders applied in silicon-based anodes for lithium-ion batteries. *Journal of Power Sources*, **2021**, 485, 229331	8.9	32
106	N, O co-doped chlorella-based biomass carbon modified separator for lithium-sulfur battery with high capacity and long cycle performance. *Journal of Colloid and Interface Science*, **2021**, 585, 43-50	9.3	31
105	Hydrangea-Like CuS with Irreversible Amorphization Transition for High-Performance Sodium-Ion Storage. *Advanced Science*, **2020**, 7, 1903279	13.6	30
104	Synthesis Strategies and Structural Design of Porous Carbon-Incorporated Anodes for Sodium-Ion Batteries. *Small Methods*, **2020**, 4, 1900163	12.8	30
103	Enabling the electrocatalytic fixation of N2 to NH3 by C-doped TiO2 nanoparticles under ambient conditions. *Nanoscale Advances*, **2019**, 1, 961-964	5.1	29
102	Enhanced sodium storage property of sodium vanadium phosphate via simultaneous carbon coating and Nb5+ doping. *Chemical Engineering Journal*, **2020**, 386, 123953	14.7	28
101	A Novel NASICON-Typed Na4VMn0.5Fe0.5(PO4)3 Cathode for High-Performance Na-Ion Batteries. *Advanced Energy Materials*, **2021**, 11, 2100729	21.8	28
100	Progress and perspective of metal phosphide/carbon heterostructure anodes for rechargeable ion batteries. *Journal of Materials Chemistry A*, **2021**, 9, 11879-11907	13	28
99	Insight into the Origin of Capacity Fluctuation of NaTiO Anode in Sodium Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 43596-43602	9.5	27
98	Enhanced constraint and catalysed conversion of lithium polysulfides via composite oxides from spent layered cathodes. *Journal of Materials Chemistry A*, **2019**, 7, 17867-17875	13	25
97	NiP Nanosheets on Carbon Cloth: An Efficient Flexible Electrode for Sodium-Ion Batteries. *Inorganic Chemistry*, **2019**, 58, 6579-6583	5.1	24
96	Platelet-like CuS impregnated with twin crystal structures for high performance sodium-ion storage. *Journal of Materials Chemistry A*, **2020**, 8, 8049-8057	13	24

95	An Approach towards Synthesis of Nanoarchitectured LiNi1/3Co1/3Mn1/3O2 Cathode Material for Lithium Ion Batteries. *Chinese Journal of Chemistry*, **2015**, 33, 261-267	4.9	24
94	Boosting the reactivity of Ni2+/Ni3+ redox couple via fluorine doping of high performance Na0.6Mn0.95Ni0.05O2-F cathode. *Electrochimica Acta*, **2019**, 308, 64-73	6.7	23
93	Interpreting Abnormal Charge-Discharge Plateau Migration in Cu S during Long-Term Cycling. *ACS Applied Materials & Interfaces*, **2019**, 11, 3961-3970	9.5	23
92	Facile synthesis of Li3V2(Po4)3/C nano-flakes with high-rate performance as cathode material for Li-ion battery. *Journal of Solid State Electrochemistry*, **2014**, 18, 215-221	2.6	21
91	Chemical and Structural Evolution during the Synthesis of Layered Li(Ni,Co,Mn)O2 Oxides. *Chemistry of Materials*, **2020**, 32, 4984-4997	9.6	20
90	N-doped carbon nanotubes supported CoSe nanoparticles: A highly efficient and stable catalyst for HO electrosynthesis in acidic media. *Nano Research*, **2021**, 15, 1-6	10	19
89	Improving the intrinsic electronic conductivity of NiMoO4 anodes by phosphorous doping for high lithium storage. *Nano Research*, **2022**, 15, 186	10	18
88	Ion-Doping-Site-Variation-Induced Composite Cathode Adjustment: A Case Study of Layer-Tunnel NaMnO with Mg Doping at Na/Mn Site. *ACS Applied Materials & Interfaces*, **2019**, 11, 26938-26945	9.5	17
87	Poly(ethylene oxide)/Poly(vinylidene □oride)/Li6.4La3Zr1.4Ta0.6O12 composite electrolyte with a stable interface for high performance solid state lithium metal batteries. *Journal of Power Sources*, **2020**, 472, 228461	8.9	17
86	A Ge/Carbon Atomic-Scale Hybrid Anode Material: A Micro-Nano Gradient Porous Structure with High Cycling Stability. *Angewandte Chemie - International Edition*, **2021**, 60, 12539-12546	16.4	17
85	A fundamental understanding of the Fe/Ti doping induced structure formation process to realize controlled synthesis of layer-tunnel Na0.6MnO2 cathode. *Nano Energy*, **2020**, 70, 104539	17.1	16
84	Stabilizing the Structure of Nickel-Rich Lithiated Oxides via Cr Doping as Cathode with Boosted High-Voltage/Temperature Cycling Performance for Li-Ion Battery. *Energy Technology*, **2020**, 8, 1900498	3.5	16
83	Hollow Li1.2Mn0.54Ni0.13Co0.13O2 micro-spheres synthesized by a co-precipitation method as a high-performance cathode material for Li-ion batteries. *RSC Advances*, **2016**, 6, 70091-70098	3.7	15
82	Large-Scale Synthesis of the Stable Co-Free Layered Oxide Cathode by the Synergetic Contribution of Multielement Chemical Substitution for Practical Sodium-Ion Battery. *Research*, **2020**, 2020, 1469301	7.8	15
81	Development and Investigation of a NASICON-Type High-Voltage Cathode Material for High-Power Sodium-Ion Batteries. *Angewandte Chemie*, **2020**, 132, 2470-2477	3.6	15
80	Insight into the Multirole of Graphene in Preparation of High Performance Na2+2xFe2□(SO4)3 Cathodes. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 16105-16112	8.3	15
79	TiS2 nanosheets for efficient electrocatalytic N2 fixation to NH3 under ambient conditions. *Inorganic Chemistry Frontiers*, **2019**, 6, 1986-1989	6.8	14
78	Influence of vanadium compound coating on lithium-rich layered oxide cathode for lithium-ion batteries. *RSC Advances*, **2014**, 4, 56273-56278	3.7	14

77	Synthesis of hierarchical worm-like SnO2@C aggregates and their enhanced lithium storage properties. *Journal of Alloys and Compounds*, **2015**, 620, 407-412	5.7	14
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75	Review of the application of biomass-derived porous carbon in lithium-sulfur batteries. *Ionics*, **2020**, 26, 4765-4781	2.7	14
74	The direct application of spent graphite as a functional interlayer with enhanced polysulfide trapping and catalytic performance for Li–S batteries. *Green Chemistry*, **2021**, 23, 942-950	10	14
73	Synthesis of Core–Shell Structured LiFe0.5Mn0.3Co0.2PO4@C with Remarkable Electrochemical Performance as the Cathode of a Lithium-Ion Battery. *ChemElectroChem*, **2015**, 2, 896-902	4.3	13
72	Structural elucidation of the degradation mechanism of nickel-rich layered cathodes during high-voltage cycling. *Chemical Communications*, **2020**, 56, 4886-4889	5.8	13
71	A novel Mn-based P2/tunnel/O3R tri-phase composite cathode with enhanced sodium storage properties. *Chemical Communications*, **2020**, 56, 2921-2924	5.8	13
70	Rational synthesis of a ZIF-67@Co-Ni LDH heterostructure and derived heterogeneous carbon-based framework as a highly efficient multifunctional sulfur host. *Dalton Transactions*, **2020**, 49, 12686-12694	4.3	13
69	Carbon dioxide solid-phase embedding reaction of silicon-carbon nanoporous composites for lithium-ion batteries. *Chemical Engineering Journal*, **2021**, 423, 130127	14.7	13
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67	Mn-Rich Phosphate Cathodes for Na-Ion Batteries with Superior Rate Performance. *ACS Energy Letters*, **2021**, 97-107	20.1	12
66	A MnS/FeS2 heterostructure with a high degree of lattice matching anchored into carbon skeleton for ultra-stable sodium-ion storage. *Journal of Materials Chemistry A*, **2021**, 9, 24024-24035	13	12
65	NaS Treatment and Coherent Interface Modification of the Li-Rich Cathode to Address Capacity and Voltage Decay. *ACS Applied Materials & Interfaces*, **2020**, 12, 42660-42668	9.5	12
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63	A rational design of the coupling mechanism of physical adsorption and chemical charge effect for high-performance lithium-sulfur batteries.. *RSC Advances*, **2019**, 9, 12710-12717	3.7	11
62	Novel Interlayer on the Separator with the Cr3C2 Compound as a Robust Polysulfide Anchor for Lithium–Sulfur Batteries. *Industrial & Engineering Chemistry Research*, **2020**, 59, 7538-7545	3.9	11
61	Revisiting the Preparation Progress of Nano-Structured Si Anodes toward Industrial Application from the Perspective of Cost and Scalability. *Advanced Energy Materials*,2102181	21.8	11
60	Structure and electrochemical performance modulation of a LiNiCoMnO cathode material by anion and cation co-doping for lithium ion batteries.. *RSC Advances*, **2019**, 9, 36849-36857	3.7	11

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58	SiO Anode: From Fundamental Mechanism toward Industrial Application. *Small*, **2021**, e2102641	11	11
57	Cobalt-doped lithium-rich cathode with superior electrochemical performance for lithium-ion batteries. *RSC Advances*, **2015**, 5, 2947-2951	3.7	10
56	3D hierarchical rose-like NiP@rGO assembled from interconnected nanoflakes as anode for lithium ion batteries.. *RSC Advances*, **2020**, 10, 3936-3945	3.7	10
55	Synthesis of hierarchical Sn/SnO nanosheets assembled by carbon-coated hollow nanospheres as anode materials for lithium/sodium ion batteries.. *RSC Advances*, **2020**, 10, 6035-6042	3.7	10
54	General Synthesis of MxS (M = Co, Cu) Hollow Spheres with Enhanced Sodium-Ion Storage Property in Ether-Based Electrolyte. *Industrial & Engineering Chemistry Research*, **2020**, 59, 1568-1577	3.9	10
53	Self-supported cobalt phosphate nanoarray with pseudocapacitive behavior: An efficient 3D anode material for sodium-ion batteries. *Journal of Alloys and Compounds*, **2020**, 848, 156285	5.7	10
52	A Simple Gas-Solid Treatment for Surface Modification of Li-Rich Oxides Cathodes. *Angewandte Chemie - International Edition*, **2021**, 60, 23248-23255	16.4	10
51	Relieving capacity decay and voltage fading of Li1.2Ni0.13Co0.13Mn0.54O2 by Mg2+ and PO43- dual doping. *Materials Research Bulletin*, **2020**, 130, 110923	5.1	9
50	Synergistic effect of uniform lattice cation/anion doping to improve structural and electrochemical performance stability for Li-rich cathode materials. *Nanotechnology*, **2020**, 31, 455704	3.4	9
49	Synthesis of spinel LiNi0.5Mn1.5O4 as advanced cathode via a modified oxalate co-precipitation method. *Ionics*, **2016**, 22, 1361-1368	2.7	9
48	Lithium-Ion Batteries: Suppressing Manganese Dissolution via Exposing Stable {111} Facets for High-Performance Lithium-Ion Oxide Cathode (Adv. Sci. 13/2019). *Advanced Science*, **2019**, 6, 1970076	13.6	9
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45	The structural origin of enhanced stability of Na3.32Fe2.11Ca0.23(P2O7)2 cathode for Na-ion batteries. *Nano Energy*, **2021**, 79, 105417	17.1	9
44	CoTe nanoparticle-embedded N-doped hollow carbon polyhedron: an efficient catalyst for H2O2 electrosynthesis in acidic media. *Journal of Materials Chemistry A*,	13	9
43	Novel functional separator with self-assembled MnO layer via a simple and fast method in lithium-sulfur battery. *Journal of Colloid and Interface Science*, **2022**, 606, 666-676	9.3	9
42	Suppressing capacity fading and voltage decay of Ni-rich cathode material by dual-ion doping for lithium-ion batteries. *Journal of Materials Science*, **2021**, 56, 2347-2359	4.3	8

41	Three-Dimensional Chestnut-Like Architecture Assembled from NaTiO(OH)□2HO@N-Doped Carbon Nanosheets with Enhanced Sodium Storage Properties. *ACS Applied Materials & Interfaces*, **2018**, 10, 43740-43748	9.5	8
40	A Unique Structure of Highly Stable Interphase and Self-Consistent Stress Distribution Radial-Gradient Porous for Silicon Anode. *Advanced Functional Materials*, **2022**, 32, 2107897	15.6	8
39	Exposing microstructure evolution of Ni-Rich Ni-Co-Al hydroxide precursor. *Chemical Engineering Science*, **2021**, 233, 116337	4.4	7
38	Directionally Tailoring Macroporous Honeycomb-Like Structured Carbon Nanofibers toward High-Capacitive Potassium Storage. *ACS Applied Materials & Interfaces*, **2021**, 13, 30693-30702	9.5	7
37	Direct conversion of ester bond-rich waste plastics into hard carbon for high-performance sodium storage. *Carbon*, **2021**, 173, 253-261	10.4	7
36	Silicon/graphite composite anode with constrained swelling and a stable solid electrolyte interphase enabled by spent graphite. *Green Chemistry*, **2021**, 23, 4531-4539	10	7
35	Recent advance in structure regulation of high-capacity Ni-rich layered oxide cathodes. *EcoMat*, **2021**, 3, e12141	9.4	7
34	Structural Reconstruction Driven by Oxygen Vacancies in Layered Ni-Rich Cathodes. *Advanced Energy Materials*,2200022	21.8	7
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32	Preparation of intergrown P/O-type biphasic layered oxides as high-performance cathodes for sodium ion batteries. *Journal of Materials Chemistry A*, **2021**, 9, 13151-13160	13	6
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30	Integrating Multi-Heterointerfaces in a 1D@2D@1D Hierarchical Structure via Autocatalytic Pyrolysis for Ultra-Efficient Microwave Absorption Performance.. *Small*, **2022**, e2105411	11	5
29	Enabling Superior Electrochemical Performance of Lithium-Rich Li1.2Ni0.2Mn0.6O2 Cathode Materials by Surface Integration. *Industrial & Engineering Chemistry Research*, **2020**, 59, 19312-19321	3.9	5
28	Effect of Na2S treatment on the structural and electrochemical properties of Li1.2Mn0.54Ni0.13Co0.13O2 cathode material. *Journal of Solid State Electrochemistry*, **2018**, 22, 547-554	2.6	4
27	Facile Combustion Synthesis and Electrochemical Performance of the Cathode Material Li1.231Mn0.615Ni0.154O2. *European Journal of Inorganic Chemistry*, **2013**, 2013, 5436-5442	2.3	4
26	TiO2@Chlorella-Based Biomass Carbon Modified Separator for High-Rate LithiumSulfur Batteries. *Industrial & Engineering Chemistry Research*, **2022**, 61, 1761-1772	3.9	4
25	Research Progress on Improving the Sulfur Conversion Efficiency on the Sulfur Cathode Side in LithiumSulfur Batteries. *Industrial & Engineering Chemistry Research*, **2020**, 59, 20979-21000	3.9	4
24	Inhibition of the shuttle effect of lithium-sulfur batteries a tannic acid-metal one-step chemical film-forming modified separator. *Nanoscale*, **2021**, 13, 5058-5068	7.7	4

23	A compared investigation of different biogum polymer binders for silicon anode of lithium-ion batteries. *Ionics*, **2021**, 27, 1829-1836	2.7	4
22	Constructing cycle-stable Si/TiSi2 composites as anode materials for lithium ion batteries through direct utilization of low-purity Si and Ti-bearing blast furnace slag. *Journal of Alloys and Compounds*, **2021**, 876, 160125	5.7	4
21	Research progress in O3-type phase Fe/Mn/Cu-based layered cathode materials for sodium ion batteries. *Journal of Materials Chemistry A*,	13	3
20	Synergistic Effect of Microstructure Engineering and Local Crystal Structure Tuning to Improve the Cycling Stability of Ni-Rich Cathodes. *ACS Applied Materials & Interfaces*, **2021**, 13, 48720-48729	9.5	3
19	Suppressing the Shuttling of Polysulfide by a Self-Assembled FeOOH Separator in Li□S Batteries. *Industrial & Engineering Chemistry Research*, **2020**, 59, 21066-21076	3.9	3
18	Three-Dimensional SnS2 Nanoarrays with Enhanced Lithium-Ion Storage Properties. *ChemElectroChem*, **2020**, 7, 4484-4491	4.3	3
17	Key Parameter Optimization for the Continuous Synthesis of Ni-Rich Ni□Co□Al Cathode Materials for Lithium-Ion Batteries. *Industrial & Engineering Chemistry Research*, **2020**, 59, 22549-22558	3.9	3
16	A Ge/Carbon Atomic-Scale Hybrid Anode Material: A Micro□Nano Gradient Porous Structure with High Cycling Stability. *Angewandte Chemie*, **2021**, 133, 12647-12654	3.6	3
15	Synthesis of N-doped straw sheaf□ke porous MnO@C composite as anode of advanced lithium-/sodium-ion batteries. *Ionics*, **2021**, 27, 551-559	2.7	3
14	Synthesis and lithium-ion storage performances of LiFe0.5Co0.5PO4/C nanoplatelets and nanorods. *Ionics*, **2018**, 24, 2275-2285	2.7	3
13	In Operando Investigation of the Structural Evolution during Calcination and Corresponding Enhanced Performance of Three-Dimensional Na2Ti6O13@C□N Hierarchical Microflowers. *Industrial & Engineering Chemistry Research*, **2018**, 57, 17430-17436	3.9	3
12	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. *ACS Applied Materials & Interfaces*, **2021**, 13, 44497-44508	9.5	3
11	Unveiling the abnormal capacity rising mechanism of MoS anode during long-term cycling for sodium-ion batteries.. *RSC Advances*, **2021**, 11, 28488-28495	3.7	2
10	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*,	3.9	2
9	New Insights into the Mechanism of Enhanced Performance of Li[NiCoMn]O with a Polyacrylic Acid-Modified Binder. *ACS Applied Materials & Interfaces*, **2021**, 13, 10064-10070	9.5	1
8	Solid Electrolyte Interphase Composition Regulation via Coating AlF3 for a High-Performance Hard Carbon Anode in Sodium-Ion Batteries. *ACS Applied Energy Materials*, **2021**, 4, 8242-8251	6.1	1
7	A novel Si/TiSi2/G@C composite as anode material with excellent lithium storage performances. *Materials Letters*, **2021**, 299, 130078	3.3	1
6	A Simple Gas□Solid Treatment for Surface Modification of Li-Rich Oxides Cathodes. *Angewandte Chemie*, **2021**, 133, 23436	3.6	1

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1	An integrated cathode and solid electrolyte polymerization with significantly reduced interface resistance. *Chemical Communications*, **2021**, 57, 13004-13007	5.8	