Nai-Qing Zhang

List of Publications by Year
in descending order

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234 papers	11,810 citations	23500 58 h-index	39575 94 g-index
236 all docs	236 docs citations	236 times ranked	11328 citing authors

#	Article	IF	Citations
1	Interfacial Design of Dendriteâ€Free Zinc Anodes for Aqueous Zincâ€Ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 13180-13191.	7.2	727
2	Scalable salt-templated synthesis of two-dimensional transition metal oxides. Nature Communications, 2016, 7, 11296.	5.8	379
3	Revealing the role of crystal orientation of protective layers for stable zinc anode. Nature Communications, 2020, 11, 3961.	5.8	378
4	pH-Controllable On-Demand Oil/Water Separation on the Switchable Superhydrophobic/Superhydrophilic and Underwater Low-Adhesive Superoleophobic Copper Mesh Film. Langmuir, 2015, 31, 1393-1399.	1.6	213
5	Electrochemical characteristics of LSCFâ€“SDC composite cathode for intermediate temperature SOFC. Electrochimica Acta, 2007, 52, 4589-4594.	2.6	204
6	Nitrogen-Doped CoSe₂ as a Bifunctional Catalyst for High Areal Capacity and Lean Electrolyte of Liâ€“S Battery. ACS Energy Letters, 2020, 5, 3041-3050.	8.8	202
7	MoN Supported on Graphene as a Bifunctional Interlayer for Advanced Liâ€S Batteries. Advanced Energy Materials, 2019, 9, 1901940.	10.2	190
8	Enhanced rate performance of carbon-coated LiNi0.5Mn1.5O4 cathode material for lithium ion batteries. Electrochimica Acta, 2011, 56, 4058-4064.	2.6	183
9	Heterostructured SnS-ZnS@C hollow nanoboxes embedded in graphene for high performance lithium and sodium ion batteries. Chemical Engineering Journal, 2019, 356, 1042-1051.	6.6	181
10	Mussel-inspired tailoring of membrane wettability for harsh water treatment. Journal of Materials Chemistry A, 2015, 3, 2650-2657.	5.2	175
11	From petal effect to lotus effect: a facile solution immersion process for the fabrication of super-hydrophobic surfaces with controlled adhesion. Nanoscale, 2013, 5, 2776.	2.8	168
12	Intercalation Pseudocapacitive Zn²⁺ Storage with Hydrated Vanadium Dioxide toward Ultrahigh Rate Performance. Advanced Materials, 2020, 32, e1908420.	11.1	168
13	A Dynamic and Selfâ€Adapting Interface Coating for Stable Znâ€Metal Anodes. Advanced Materials, 2022, 34, e2105133.	11.1	167
14	A facile one-pot route for the controllable growth of small sized and well-dispersed ZnO particles on GO-derived graphene. Journal of Materials Chemistry, 2012, 22, 11778.	6.7	159
15	pH-Induced Reversible Wetting Transition between the Underwater Superoleophilicity and Superoleophobicity. ACS Applied Materials & Interfaces, 2014, 6, 636-641.	4.0	132
16	Characterization of electrical properties of GDC doped A-site deficient LSCF based composite cathode using impedance spectroscopy. Journal of Power Sources, 2007, 168, 338-345.	4.0	130
17	Precise Synthesis of Fe-N₂ Sites with High Activity and Stability for Long-Life Lithiumâ€“Sulfur Batteries. ACS Nano, 2020, 14, 16105-16113.	7.3	120
18	Rational Design of Hierarchical SnO₂/1T-MoS₂ Nanoarray Electrode for Ultralong-Life Liâ€“S Batteries. ACS Energy Letters, 2018, 3, 1627-1633.	8.8	119

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19	Higher Yield Urea-Derived Polymeric Graphitic Carbon Nitride with Mesoporous Structure and Superior Visible-Light-Responsive Activity. ACS Sustainable Chemistry and Engineering, 2015, 3, 3412-3419.	3.2	118
20	Building High Rate Capability and Ultrastable Dendriteâ€Free Organic Anode for Rechargeable Aqueous Zinc Batteries. Advanced Science, 2020, 7, 2000146.	5.6	117
21	Ternary Ta₂NiSe₅ Flakes for a Highâ€Performance Infrared Photodetector. Advanced Functional Materials, 2016, 26, 8281-8289.	7.8	112
22	Constructing the Efficient Ion Diffusion Pathway by Introducing Oxygen Defects in Mn₂O₃ for High-Performance Aqueous Zinc-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 28199-28205.	4.0	111
23	Facile fabrication of CuO mesoporous nanosheet cluster array electrodes with super lithium-storage properties. Journal of Materials Chemistry, 2012, 22, 13637.	6.7	107
24	Blocking Polysulfide with Co₂B@CNT via â€œSynergetic Adsorptive Effectâ€•toward Ultrahigh-Rate Capability and Robust Lithiumâ€“Sulfur Battery. ACS Nano, 2019, 13, 6742-6750.	7.3	105
25	A Class of Catalysts of BiOX (X = Cl, Br, I) for Anchoring Polysulfides and Accelerating Redox Reaction in Lithium Sulfur Batteries. ACS Nano, 2019, 13, 13109-13115.	7.3	104
26	In Situ Synthesis of CuCo₂S₄@N/S-Doped Graphene Composites with Pseudocapacitive Properties for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 11708-11714.	4.0	101
27	Fe-MOF derived jujube pit like Fe3O4/C composite as sulfur host for lithium-sulfur battery. Electrochimica Acta, 2019, 295, 444-451.	2.6	101
28	Expediting the Conversion of Li₂S₂ to Li₂S Enables High-Performance Liâ€“S Batteries. ACS Nano, 2021, 15, 7318-7327.	7.3	101
29	Niâ€“YSZ gradient anodes for anode-supported SOFCs. Journal of Power Sources, 2007, 166, 337-342.	4.0	96
30	Graphene Aerogels with Anchored Subâ€Micrometer Mulberryâ€Like ZnO Particles for Highâ€Rate and Longâ€Cycle Anode Materials in Lithium Ion Batteries. Small, 2016, 12, 5208-5216.	5.2	87
31	Preparation and characterization of Pr1â^'xSrxFeO3 cathode material for intermediate temperature solid oxide fuel cells. Journal of Power Sources, 2007, 172, 633-640.	4.0	86
32	Ultra-high rate Liâ€“S batteries based on a novel conductive Ni₂P yolkâ€“shell material as the host for the S cathode. Journal of Materials Chemistry A, 2017, 5, 14519-14524.	5.2	86
33	Bi2O3 nanoparticles encapsulated by three-dimensional porous nitrogen-doped graphene for high-rate lithium ion batteries. Journal of Power Sources, 2016, 333, 30-36.	4.0	85
34	Electrochemical preparation of porous MoO3film with a high rate performance as anode for lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 221-224.	5.2	83
35	Highly dispersed Ag nanoparticles (<10nm) deposited on nanocrystalline Li4Ti5O12 demonstrating high-rate charge/discharge capability for lithium-ion battery. Journal of Power Sources, 2012, 205, 479-482.	4.0	80
36	A study of process parameters of LSM and LSMâ€“YSZ composite cathode films prepared by screen-printing. Journal of Power Sources, 2008, 175, 288-295.	4.0	77

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37	Ionâ€Selective Prussianâ€Blueâ€Modified Celgard Separator for Highâ€Performance Lithiumâ€“Sulfur Battery. ChemSusChem, 2018, 11, 3345-3351.	3.6	77
38	In situ preparation of 3D graphene aerogels@hierarchical Fe₃O₄ nanoclusters as high rate and long cycle anode materials for lithium ion batteries. Chemical Communications, 2015, 51, 1597-1600.	2.2	76
39	Improved SOFC performance with continuously graded anode functional layer. Electrochemistry Communications, 2009, 11, 1120-1123.	2.3	75
40	Kinetics enhancement of lithiumâ€“sulfur batteries by interlinked hollow MoO₂ sphere/nitrogen-doped graphene composite. Journal of Materials Chemistry A, 2017, 5, 25187-25192.	5.2	75
41	Underwater Superoleophilic to Superoleophobic Wetting Control on the Nanostructured Copper Substrates. ACS Applied Materials & Interfaces, 2013, 5, 11363-11370.	4.0	74
42	Fast-growing multifunctional ZnMoO4 protection layer enable dendrite-free and hydrogen-suppressed Zn anode. Energy Storage Materials, 2022, 44, 353-359.	9.5	73
43	Facile preparation of nanocrystalline Li4Ti5O12 and its high electrochemical performance as anode material for lithium-ion batteries. Electrochemistry Communications, 2011, 13, 654-656.	2.3	72
44	Metalâ€“Organic Framework-Derived Co₃ZnC/Co Embedded in Nitrogen-Doped Carbon Nanotube-Grafted Carbon Polyhedra as a High-Performance Electrocatalyst for Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 6245-6252.	4.0	72
45	Stable artificial solid electrolyte interphase films for lithium metal anode via metalâ€“organic frameworks cemented by polyvinyl alcohol. Journal of Materials Chemistry A, 2020, 8, 251-258.	5.2	72
46	Hierarchical mesoporous SnO₂ nanosheets on carbon cloth toward enhancing the polysulfides redox for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 19613-19618.	5.2	71
47	Coupled flower-like Bi₂S₃ and graphene aerogels for superior sodium storage performance. Nanoscale, 2017, 9, 17694-17698.	2.8	70
48	Iron fluoride vertical nanosheets array modified with graphene quantum dots as long-life cathode for lithium ion batteries. Chemical Engineering Journal, 2019, 371, 245-251.	6.6	70
49	Metalâ€“organic framework-derived Zn_{0.975}Co_{0.025}S/CoS₂ embedded in N,S-codoped carbon nanotube/nanopolyhedra as an efficient electrocatalyst for overall water splitting. Journal of Materials Chemistry A, 2018, 6, 10441-10446.	5.2	69
50	Catalytic effect in Li-S batteries: From band theory to practical application. Materials Today, 2022, 57, 84-120.	8.3	69
51	SnS₂/SnO₂ Heterostructures towards Enhanced Electrochemical Performance of Lithiumâ€“Sulfur Batteries. Chemistry - A European Journal, 2019, 25, 5416-5421.	1.7	68
52	Long-Life Lithiumâ€“Sulfur Battery Derived from Nori-Based Nitrogen and Oxygen Dual-Doped 3D Hierarchical Biochar. ACS Applied Materials & Interfaces, 2017, 9, 18889-18896.	4.0	66
53	A microporous gel electrolyte based on poly(vinylidene fluoride-co-hexafluoropropylene)/fully cyanoethylated cellulose derivative blend for lithium-ion battery. Electrochimica Acta, 2009, 54, 1888-1892.	2.6	64
54	An In Situ Ionic-Liquid-Assisted Synthetic Approach to Iron Fluoride/Graphene Hybrid Nanostructures as Superior Cathode Materials for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 5057-5063.	4.0	64

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55	Confined Iron Fluoride@CMKâ€3 Nanocomposite as an Ultrahigh Rate Capability Cathode for Liâ€ion Batteries. Small, 2014, 10, 2039-2046.	5.2	63
56	Facile ammonia-induced fabrication of nanoporous NiO films with enhanced lithium-storage properties. Electrochemistry Communications, 2012, 20, 137-140.	2.3	62
57	Mesoporous CuCo2O4 nanoparticles as an efficient cathode catalyst for Li-O2 batteries. Journal of Power Sources, 2016, 325, 506-512.	4.0	62
58	Design of MoS₂/Graphene van der Waals Heterostructure as Highly Efficient and Stable Electrocatalyst for Hydrogen Evolution in Acidic and Alkaline Media. ACS Applied Materials & Interfaces, 2020, 12, 24777-24785.	4.0	62
59	Ni/YSZ and Niâ€“CeO2/YSZ anodes prepared by impregnation for solid oxide fuel cells. Journal of Power Sources, 2007, 169, 253-258.	4.0	61
60	Constructing multi-functional Janus separator toward highly stable lithium batteries. Energy Storage Materials, 2020, 28, 153-159.	9.5	60
61	Metallic NiSe₂nanoarrays towards ultralong life and fast Li₂S oxidation kinetics of Liâ€“S batteries. Journal of Materials Chemistry A, 2019, 7, 15302-15308.	5.2	59
62	Ultrathin and super-tough membrane for anti-dendrite separator in aqueous zinc-ion batteries. Cell Reports Physical Science, 2022, 3, 100824.	2.8	59
63	The influence of holding time on the performance of LiNi0.5Mn1.5O4 cathode for lithium ion battery. Journal of Alloys and Compounds, 2010, 502, 215-219.	2.8	58
64	Decoration of graphene with silicon nanoparticles by covalent immobilization for use as anodes in high stability lithium ion batteries. Journal of Power Sources, 2013, 240, 212-218.	4.0	58
65	Metalâ€“Organic-Framework-Derived Yolkâ€“Shell-Structured Cobalt-Based Bimetallic Oxide Polyhedron with High Activity for Electrocatalytic Oxygen Evolution. ACS Applied Materials & Interfaces, 2017, 9, 31777-31785.	4.0	58
66	Carbon coated amorphous bimetallic sulfide hollow nanocubes towards advanced sodium ion battery anode. Carbon, 2019, 150, 378-387.	5.4	58
67	Improvement of high-voltage cycling behavior of Li(Ni1/3Co1/3Mn1/3)O2 cathodes by Mg, Cr, and Al substitution. Journal of Solid State Electrochemistry, 2009, 13, 1381-1386.	1.2	57
68	Magnetically Induced Reversible Transition between Cassie and Wenzel States of Superparamagnetic Microdroplets on Highly Hydrophobic Silicon Surface. Journal of Physical Chemistry C, 2012, 116, 18796-18802.	1.5	56
69	Copper cobalt spinel as a high performance cathode for intermediate temperature solid oxide fuel cells. Chemical Communications, 2016, 52, 8615-8618.	2.2	56
70	Crystal Facet Engineering Induced Active Tin Dioxide Nanocatalysts for Highly Stable Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2021, 11, 2102995.	10.2	56
71	Facile fabrication of CuO 1D pine-needle-like arrays for super-rate lithium storage. Journal of Materials Chemistry, 2012, 22, 15080.	6.7	55
72	The facile synthesis and enhanced lithiumâ€“sulfur battery performance of an amorphous cobalt boride (Co₂B)@graphene composite cathode. Journal of Materials Chemistry A, 2018, 6, 24045-24049.	5.2	55

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73	Anchoring hollow MoO2 spheres on graphene for superior lithium storage. Chemical Engineering Journal, 2018, 334, 257-263.	6.6	54
74	Designing Heterogeneous Chemical Composition on Hierarchical Structured Copper Substrates for the Fabrication of Superhydrophobic Surfaces with Controlled Adhesion. ACS Applied Materials & Interfaces, 2013, 5, 8753-8760.	4.0	53
75	Self-supported, binder-free 3D hierarchical iron fluoride flower-like array as high power cathode material for lithium batteries. Nano Energy, 2014, 4, 7-13.	8.2	53
76	In situ conversion to construct fast ion transport and high catalytic cathode for high-sulfur loading with lean electrolyte lithiumâ€“sulfur battery. Nano Energy, 2022, 95, 106979.	8.2	53
77	pH-Controllable Water Permeation through a Nanostructured Copper Mesh Film. ACS Applied Materials & Interfaces, 2012, 4, 5826-5832.	4.0	52
78	Improving poisoning resistance of electrocatalysts via alloying strategy for high-performance lithium-sulfur batteries. Energy Storage Materials, 2021, 41, 248-254.	9.5	51
79	Porous MoO3 films with ultra-short relaxation time used for supercapacitors. Materials Research Bulletin, 2013, 48, 1328-1332.	2.7	49
80	3D Self-Supported Nanoarchitectured Arrays Electrodes for Lithium-Ion Batteries. Journal of Nanomaterials, 2012, 2012, 1-19.	1.5	48
81	High-Index Faceted Nanocrystals as Highly Efficient Bifunctional Electrocatalysts for High-Performance Lithiumâ€“Sulfur Batteries. Nano-Micro Letters, 2022, 14, 40.	14.4	48
82	A novel grain restraint strategy to synthesize highly crystallized Li4Ti5O12 (â¼20 nm) for lithium ion batteries with superior high-rate performance. Journal of Materials Chemistry, 2012, 22, 11688.	6.7	47
83	Redox Mediator: A New Strategy in Designing Cathode for Prompting Redox Process of Liâ€“S Batteries. Advanced Science, 2019, 6, 1900958.	5.6	47
84	MoP hollow nanospheres encapsulated in 3D reduced graphene oxide networks as high rate and ultralong cycle performance anodes for sodium-ion batteries. Nanoscale, 2019, 11, 7129-7134.	2.8	47
85	Electrochemically active separators with excellent catalytic ability toward high-performance Liâ€“S batteries. Journal of Materials Chemistry A, 2018, 6, 11694-11699.	5.2	46
86	Probing oxygen vacancy effect on oxygen reduction reaction of the NdBaCo2O5+Î´ cathode for solid oxide fuel cells. Journal of Power Sources, 2020, 459, 228017.	4.0	46
87	Basal-Plane-Activated Molybdenum Sulfide Nanosheets with Suitable Orbital Orientation as Efficient Electrocatalysts for Lithiumâ€“Sulfur Batteries. ACS Nano, 2021, 15, 16515-16524.	7.3	46
88	Preparation of YSZ thin films for intermediate temperature solid oxide fuel cells by dip-coating method. Journal of Membrane Science, 2008, 320, 500-504.	4.1	44
89	Nitrogen Plasma-Treated Coreâ€“Bishell Si@SiO_x@TiO_{2â€“Î´}: Nanoparticles with Significantly Improved Lithium Storage Performance. ACS Applied Materials & Interfaces, 2019, 11, 27658-27666.	4.0	44
90	Microstructure and electrochemical characterization of solid oxide fuel cells fabricated by co-tape casting. Journal of Power Sources, 2009, 191, 528-533.	4.0	43

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91	MOF-directed templating synthesis of hollow nickel-cobalt sulfide with enhanced electrocatalytic activity for oxygen evolution. International Journal of Hydrogen Energy, 2018, 43, 8815-8823.	3.8	43
92	The discovery of interfacial electronic interaction within cobalt boride@MXene for high performance lithium-sulfur batteries. Chinese Chemical Letters, 2021, 32, 2249-2253.	4.8	43
93	Fabrication and evaluation of anode and thin Y2O3-stabilized ZrO2 film by co-tape casting and co-firing technique. Journal of Power Sources, 2010, 195, 2644-2648.	4.0	41
94	A Conductive Ni₂P Nanoporous Composite with a 3D Structure Derived from a Metalâ€“Organic Framework for Lithiumâ€“Sulfur Batteries. Chemistry - A European Journal, 2018, 24, 13253-13258.	1.7	41
95	Constructed conductive CoSe2 nanoarrays as efficient electrocatalyst for high-performance Liâ€“S battery. Rare Metals, 2021, 40, 3147.	3.6	41
96	Electrodeposited Si film with excellent stability and high rate performance for lithium-ion battery anodes. Materials Letters, 2012, 76, 55-58.	1.3	40
97	Recycled Superwetting Nanostructured Copper Mesh Film: Toward Bidirectional Separation of Emulsified Oil/Water Mixtures. Advanced Materials Interfaces, 2016, 3, 1600370.	1.9	40
98	Moâ€Oâ€C Between MoS₂ and Graphene Toward Accelerated Polysulfide Catalytic Conversion for Advanced Lithiumâ€Sulfur Batteries. Advanced Science, 2022, 9, .	5.6	40
99	Study on Properties of LSGM Electrolyte Made by Tape Casting Method and Applications in SOFC. Journal of Rare Earths, 2006, 24, 90-92.	2.5	37
100	3D porous micro/nanostructured interconnected metal/metal oxide electrodes for high-rate lithium storage. RSC Advances, 2013, 3, 432-437.	1.7	37
101	The facile preparation of a cobalt disulfideâ€“reduced graphene oxide composite film as an efficient counter electrode for dye-sensitized solar cells. Chemical Communications, 2015, 51, 1846-1849.	2.2	37
102	Rational design of well-dispersed ultrafine CoS₂ nanocrystals in microâ€“mesoporous carbon spheres with a synergistic effect for high-performance lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2020, 8, 10885-10890.	5.2	37
103	Comparison of infiltrated ceramic fiber paper and mica base compressive seals for planar solid oxide fuel cells. Journal of Power Sources, 2007, 168, 447-452.	4.0	36
104	Improved performance of ammonia-fueled solid oxide fuel cell with SSZ thin film electrolyte and Ni-SSZ anode functional layer. International Journal of Hydrogen Energy, 2012, 37, 10857-10865.	3.8	35
105	Enhanced low temperature performances of expanded commercial mesocarbon microbeads (MCMB) as lithium ion battery anodes. Materials Letters, 2012, 89, 243-246.	1.3	35
106	PVP incorporated MoS₂ as a Mg ion host with enhanced capacity and durability. Journal of Materials Chemistry A, 2019, 7, 4426-4430.	5.2	35
107	A MoS₂ and Graphene Alternately Stacking van der Waals Heterostructure for Li⁺/Mg²⁺ Coâ€Intercalation. Advanced Functional Materials, 2021, 31, 2103214.	7.8	35
108	Constructing Heterogeneous Structure in Metalâ€“Organic Framework-Derived Hierarchical Sulfur Hosts for Capturing Polysulfides and Promoting Conversion Kinetics. ACS Nano, 2021, 15, 18363-18373.	7.3	35

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109	A Dualâ€Protective Artificial Interface for Stable Lithium Metal Anodes. Advanced Energy Materials, 2021, 11, 2102242.	10.2	35
110	Improved electrochemical performance of SrCo0.8Fe0.2O3â^'Î´â€“La0.45Ce0.55O2â^'Î´ composite cathodes for IT-SOFC. Electrochemistry Communications, 2007, 9, 431-435.	2.3	34
111	Flexible patterned micro-electrochemical capacitors based on PEDOT. Chemical Communications, 2014, 50, 6789-6792.	2.2	34
112	A multifunctional separator based on scandium oxide nanocrystal decorated carbon nanotubes for high performance lithiumâ€“sulfur batteries. Nanoscale, 2020, 12, 6832-6843.	2.8	34
113	Performance of mixâ€impregnated CeO₂â€Ni/YSZ Anodes for Direct Oxidation of Methane in Solid Oxide Fuel Cells. Fuel Cells, 2009, 9, 729-739.	1.5	33
114	Optimization on fabrication and performance of A-site-deficient La0.58Sr0.4Co0.2Fe0.8O3-Î´ cathode for SOFC. Journal of Solid State Electrochemistry, 2009, 13, 455-467.	1.2	33
115	A facile method to prepare hybrid LiNi0.5Mn1.5O4/C with enhanced rate performance. Journal of Alloys and Compounds, 2011, 509, 3783-3786.	2.8	33
116	Regulating Underwater Oil Adhesion on Superoleophobic Copper Films through Assembling n-Alkanoic Acids. ACS Applied Materials & Interfaces, 2015, 7, 20410-20417.	4.0	33
117	Nanoflake Î´-MnO2 deposited on carbon nanotubes-graphene-Ni foam scaffolds as self-standing three-dimensional porous anodes for high-rate-performance lithium-ion batteries. Journal of Power Sources, 2018, 402, 373-380.	4.0	33
118	Stabilized Zn Anode Based on SO₄^{2â€“} Trapping Ability and High Hydrogen Evolution Barrier. Advanced Functional Materials, 2022, 32, .	7.8	33
119	Preparation of dual-pore anode supported Sc2O3-stabilized-ZrO2 electrolyte planar solid oxide fuel cell by phase-inversion and dip-coating. Journal of Power Sources, 2012, 218, 352-356.	4.0	32
120	Synthesis of carbon coated Bi 2 O 3 nanocomposite anode for sodium-ion batteries. Ceramics International, 2017, 43, 8819-8823.	2.3	32
121	High lithiophilic nitrogen-doped carbon nanotube arrays prepared by in-situ catalyze for lithium metal anode. Chinese Chemical Letters, 2021, 32, 2254-2258.	4.8	32
122	Super-hydrophobic surface with switchable adhesion responsive to both temperature and pH. Soft Matter, 2012, 8, 9635.	1.2	31
123	In situ synthesis of LiV3O8 nanorods on graphene as high rate-performance cathode materials for rechargeable lithium batteries. Chemical Communications, 2013, 49, 9143.	2.2	30
124	Fabrication and characterization of Ni-SSZ gradient anodes/SSZ electrolyte for anode-supported SOFCs by tape casting and co-sintering technique. International Journal of Hydrogen Energy, 2015, 40, 8433-8441.	3.8	30
125	Metalâ€“Organic Frameworksâ€Derived Porous Yolkâ€“Shell MoP/Cu₃P@carbon Microcages as Highâ€Performance Anodes for Sodiumâ€Ion Batteries. Energy and Environmental Materials, 2020, 3, 529-534.	7.3	30
126	MoS2/graphene heterostructure with facilitated Mg-diffusion kinetics for high-performance rechargeable magnesium batteries. Chemical Engineering Journal, 2021, 412, 128736.	6.6	30

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127	Modifying hydrogel electrolyte to induce zinc deposition for dendrite-free zinc metal anode. Electrochimica Acta, 2021, 393, 139094.	2.6	30
128	in situ engineered ultrafine NiS₂-ZnS heterostructures in microâ€“mesoporous carbon spheres accelerating polysulfide redox kinetics for high-performance lithiumâ€“sulfur batteries. Nanoscale, 2020, 12, 16201-16207.	2.8	28
129	Effective Agâ€“CuO sealant for planar solid oxide fuel cells. Journal of Alloys and Compounds, 2010, 496, 96-99.	2.8	27
130	Accelerating Sulfur Redox Reactions by Topological Insulator Bi₂Te₃ for Highâ€Performance Liâ€S Batteries. Advanced Functional Materials, 2022, 32, .	7.8	27
131	A piece of common cellulose paper but with outstanding functions for advanced aqueous zinc-ion batteries. Materials Today Energy, 2022, 28, 101076.	2.5	27
132	Effects of the nickel-coated ferritic stainless steel for solid oxide fuel cells interconnects. Corrosion Science, 2008, 50, 1926-1931.	3.0	26
133	A novel doped CeO2â€“LaFeO3 composite oxide as both anode and cathode for solid oxide fuel cells. International Journal of Hydrogen Energy, 2012, 37, 12574-12579.	3.8	26
134	Facile synthesis of TiN nanocrystals/graphene hybrid to chemically suppress the shuttle effect for lithium-sulfur batteries. Journal of Alloys and Compounds, 2020, 822, 153751.	2.8	26
135	2020 Roadmap on Zinc Metal Batteries. Chemistry - an Asian Journal, 2020, 15, 3696-3708.	1.7	26
136	Synthesis of Pr0.6Sr0.4FeO3âˆ'Î´â€“xCe0.9Pr0.1O2âˆ'Î´ cobalt-free composite cathodes by a one-pot method for intermediate-temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2016, 41, 4005-4015.	3.8	25
137	Reviewâ€”Status of Zinc-Silver Battery. Journal of the Electrochemical Society, 2019, 166, A2980-A2989.	1.3	25
138	Packing FeF3Â·0.33H2O into porous graphene/carbon nanotube network as high volumetric performance cathode for lithium ion battery. Journal of Power Sources, 2020, 447, 227303.	4.0	25
139	Regulating Coordination Environment in Metalâ€“Organic Frameworks for Adsorption and Redox Conversion of Polysulfides in Lithiumâ€“Sulfur Batteries. , 2021, 3, 1684-1694.		25
140	Preparation of honeycomb porous La0.6Sr0.4Co0.2Fe0.8O3âˆ'Î´â€“Gd0.2Ce0.8O2âˆ'Î´ composite cathodes by breath figures method for solid oxide fuel cells. Applied Surface Science, 2011, 258, 50-57.	3.1	24
141	Improved electrochemical performance of CuCrO2 anode with CNTs as conductive agent for lithium ion batteries. Materials Letters, 2013, 97, 113-116.	1.3	24
142	A pH-responsive superwetting nanostructured copper mesh film for separating both water-in-oil and oil-in-water emulsions. RSC Advances, 2016, 6, 72317-72325.	1.7	24
143	Nanostructured CuCo2O4 cathode for intermediate temperature solid oxide fuel cells via an impregnation technique. Journal of Power Sources, 2017, 343, 268-274.	4.0	24
144	Two-dimensional Nb₂O₅ holey nanosheets prepared by a graphene sacrificial template method for high performance Mg²⁺/Li⁺ hybrid ion batteries. Nanoscale, 2019, 11, 16222-16227.	2.8	24

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145	Significant Zirconium Substitution Effect on the Oxygen Reduction Activity of the Cathode Material NdBaCo₂O_{5+Î´} for Solid Oxide Fuel Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 11603-11611.	3.2	24
146	Ultrasmall Iron Fluoride Nanoparticles Embedded in Graphitized Porous Carbon Derived from Feâ€Based Metal Organic Frameworks as Highâ€Performance Cathode Materials for Li Batteries. ChemElectroChem, 2019, 6, 2189-2194.	1.7	24
147	Self-supported PPy-encapsulated CoS₂ nanosheets anchored on the TiO_{2â¯x} nanorod array support by Tiâ€“S bonds for ultra-long life hybrid Mg²⁺/Li⁺ batteries. Journal of Materials Chemistry A, 2020, 8, 22712-22719.	5.2	24
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