Junhua Hu

List of Publications by Year
in descending order

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191	12,064	17440 63	32842 100
papers	citations	h-index	g-index

196	196	196	10428
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SnS nanoparticles electrostatically anchored on three-dimensional N-doped graphene as an active and durable anode for sodium-ion batteries. Energy and Environmental Science, 2017, 10, 1757-1763.	30.8	431
2	Iron phthalocyanine with coordination induced electronic localization to boost oxygen reduction reaction. Nature Communications, 2020, 11, 4173.	12.8	358
3	Nanoscale Surface Modification of Lithiumâ€Rich Layeredâ€Oxide Composite Cathodes for Suppressing Voltage Fade. Angewandte Chemie - International Edition, 2015, 54, 13058-13062.	13.8	331
4	Stabilizing the Nanostructure of SnO₂ Anodes by Transition Metals: A Route to Achieve High Initial Coulombic Efficiency and Stable Capacities for Lithium Storage. Advanced Materials, 2017, 29, 1605006.	21.0	306
5	Dramatically enhanced reversibility of Li₂O in SnO₂-based electrodes: the effect of nanostructure on high initial reversible capacity. Energy and Environmental Science, 2016, 9, 595-603.	30.8	300
6	V₅S₈â€“graphite hybrid nanosheets as a high rate-capacity and stable anode material for sodium-ion batteries. Energy and Environmental Science, 2017, 10, 107-113.	30.8	274
7	Construction of MoS₂/C Hierarchical Tubular Heterostructures for High-Performance Sodium Ion Batteries. ACS Nano, 2018, 12, 12578-12586.	14.6	272
8	A New rGOâ€Overcoated Sb₂Se₃ Nanorods Anode for Na⁺ Battery: In Situ Xâ€Ray Diffraction Study on a Live Sodiation/Desodiation Process. Advanced Functional Materials, 2017, 27, 1606242.	14.9	258
9	Mechanistic Origin of the High Performance of Yolk@Shell Bi₂S₃@N-Doped Carbon Nanowire Electrodes. ACS Nano, 2018, 12, 12597-12611.	14.6	213
10	Fabrication of SnS₂/Mn₂SnS₄/Carbon Heterostructures for Sodium-Ion Batteries with High Initial Coulombic Efficiency and Cycling Stability. ACS Nano, 2019, 13, 3666-3676.	14.6	205
11	Chemically activated hollow carbon nanospheres as a high-performance anode material for potassium ion batteries. Journal of Materials Chemistry A, 2018, 6, 24317-24323.	10.3	174
12	In situ fabrication of CoFe alloy nanoparticles structured (Pr0.4Sr0.6)3(Fe0.85Nb0.15)2O7 ceramic anode for direct hydrocarbon solid oxide fuel cells. Nano Energy, 2015, 11, 704-710.	16.0	173
13	Nitrogen-doped bamboo-like carbon nanotubes as anode material for high performance potassium ion batteries. Journal of Materials Chemistry A, 2018, 6, 15162-15169.	10.3	161
14	In situ X-ray diffraction characterization of NiSe2 as a promising anode material for sodium ion batteries. Journal of Power Sources, 2017, 343, 483-491.	7.8	155
15	Leadâ€Free Halide Perovskites for Light Emission: Recent Advances and Perspectives. Advanced Science, 2021, 8, 2003334.	11.2	155
16	Heterostructured Nanocubeâ€Shaped Binary Sulfide (SnCo)S₂ Interlaced with Sâ€Doped Graphene as a Highâ€Performance Anode for Advanced Na⁺ Batteries. Advanced Functional Materials, 2019, 29, 1807971.	14.9	154
17	Heterointerface Engineering of Hierarchical Bi₂S₃/MoS₂ with Selfâ€Generated Rich Phase Boundaries for Superior Sodium Storage Performance. Advanced Functional Materials, 2020, 30, 1910732.	14.9	151
18	Chemical Identification of Catalytically Active Sites on Oxygenâ€doped Carbon Nanosheet to Decipher the High Activity for Electroâ€synthesis Hydrogen Peroxide. Angewandte Chemie - International Edition, 2021, 60, 16607-16614.	13.8	150

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19	Accelerating CO₂ Electroreduction to Multicarbon Products via Synergistic Electricâ€“Thermal Field on Copper Nanoneedles. Journal of the American Chemical Society, 2022, 144, 3039-3049.	13.7	147
20	Enabling high energy lithium metal batteries via single-crystal Ni-rich cathode material co-doping strategy. Nature Communications, 2022, 13, 2319.	12.8	143
21	MoS₂-covered SnS nanosheets as anode material for lithium-ion batteries with high capacity and long cycle life. Journal of Materials Chemistry A, 2018, 6, 592-598.	10.3	142
22	MoS 2 encapsulated SnO 2 -SnS/C nanosheets as a high performance anode material for lithium ion batteries. Chemical Engineering Journal, 2017, 316, 393-400.	12.7	136
23	High pyridine N-doped porous carbon derived from metalâ€“organic frameworks for boosting potassium-ion storage. Journal of Materials Chemistry A, 2018, 6, 17959-17966.	10.3	134
24	Functionalization of Biomass Carbonaceous Aerogels: Selective Preparation of MnO₂@CA Composites for Supercapacitors. ACS Applied Materials & Interfaces, 2014, 6, 9689-9697.	8.0	125
25	MOFs-derived porous Mo2Câ€“C nano-octahedrons enable high-performance lithiumâ€“sulfur batteries. Energy Storage Materials, 2020, 25, 547-554.	18.0	118
26	Pinecone biomass-derived hard carbon anodes for high-performance sodium-ion batteries. RSC Advances, 2017, 7, 41504-41511.	3.6	117
27	Cobalt single atoms supported on N-doped carbon as an active and resilient sulfur host for lithiumâ€“sulfur batteries. Energy Storage Materials, 2020, 28, 196-204.	18.0	117
28	A novel three-dimensional hierarchical NiCo2O4/Ni2P electrode for high energy asymmetric supercapacitor. Chemical Engineering Journal, 2018, 354, 254-260.	12.7	116
29	Construction of solid-state Z-scheme carbon-modified TiO2/WO3 nanofibers with enhanced photocatalytic hydrogen production. Journal of Power Sources, 2016, 328, 28-36.	7.8	114
30	Tuning Charge Distribution of FeN₄ via External N for Enhanced Oxygen Reduction Reaction. ACS Catalysis, 2021, 11, 6304-6315.	11.2	114
31	N/S codoped carbon microboxes with expanded interlayer distance toward excellent potassium storage. Chemical Engineering Journal, 2019, 358, 1147-1154.	12.7	112
32	Template-oriented synthesis of monodispersed SnS2@SnO2 hetero-nanoflowers for Cr(VI) photoreduction. Applied Catalysis B: Environmental, 2016, 192, 17-25.	20.2	108
33	Plasmon enhancement on photocatalytic hydrogen production over the Z-scheme photosynthetic heterojunction system. Applied Catalysis B: Environmental, 2017, 210, 297-305.	20.2	107
34	Single-atom transition metals supported on black phosphorene for electrochemical nitrogen reduction. Nanoscale, 2020, 12, 4903-4908.	5.6	107
35	Quantum-Dot-Derived Catalysts for CO2 Reduction Reaction. Joule, 2019, 3, 1703-1718.	24.0	106
36	Atomically Dispersed sâ€Block Magnesium Sites for Electroreduction of CO₂ to CO. Angewandte Chemie - International Edition, 2021, 60, 25241-25245.	13.8	104

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37	Surface Modification of Na₃V₂(PO₄)₃ by Nitrogen and Sulfur Dual-Doped Carbon Layer with Advanced Sodium Storage Property. ACS Applied Materials & Interfaces, 2017, 9, 13151-13162.	8.0	103
38	Optimizing Hydrogen Binding on Ru Sites with RuCo Alloy Nanosheets for Efficient Alkaline Hydrogen Evolution. Angewandte Chemie - International Edition, 2022, 61, e202113664.	13.8	102
39	In vitro degradation of AZ31 magnesium alloy coated with nano TiO2 film by solâ€“gel method. Applied Surface Science, 2011, 257, 8772-8777.	6.1	99
40	In situ X-ray diffraction characterization of NbS2 nanosheets as the anode material for sodium ion batteries. Journal of Power Sources, 2016, 325, 410-416.	7.8	99
41	One-dimensional Z-scheme TiO 2 /WO 3 /Pt heterostructures for enhanced hydrogen generation. Applied Surface Science, 2017, 391, 211-217.	6.1	99
42	Dendrite-free lithium metal anode with lithiophilic interphase from hierarchical frameworks by tuned nucleation. Energy Storage Materials, 2020, 27, 124-132.	18.0	98
43	CoSe@N-Doped Carbon Nanotubes as a Potassium-Ion Battery Anode with High Initial Coulombic Efficiency and Superior Capacity Retention. ACS Nano, 2021, 15, 1121-1132.	14.6	98
44	Vertical Cu Nanoneedle Arrays Enhance the Local Electric Field Promoting C₂ Hydrocarbons in the CO₂ Electroreduction. Nano Letters, 2022, 22, 1963-1970.	9.1	95
45	Constructing 2D layered MoS 2 nanosheets-modified Z-scheme TiO 2 /WO 3 nanofibers ternary nanojunction with enhanced photocatalytic activity. Applied Surface Science, 2018, 430, 466-474.	6.1	92
46	Three-dimensional (3D) flower-like MoSe2/N-doped carbon composite as a long-life and high-rate anode material for sodium-ion batteries. Chemical Engineering Journal, 2019, 357, 226-236.	12.7	92
47	Rational Design of TiOâ€“TiO₂ Heterostructure/Polypyrrole as a Multifunctional Sulfur Host for Advanced Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2019, 11, 5055-5063.	8.0	91
48	Hybrids of PtRu Nanoclusters and Black Phosphorus Nanosheets for Highly Efficient Alkaline Hydrogen Evolution Reaction. ACS Catalysis, 2019, 9, 10870-10875.	11.2	86
49	Paired Ruâ€’Oâ€’Mo ensemble for efficient and stable alkaline hydrogen evolution reaction. Nano Energy, 2021, 82, 105767.	16.0	86
50	Design, synthesis, and application of metal sulfides for Liâ€“S batteries: progress and prospects. Journal of Materials Chemistry A, 2020, 8, 17848-17882.	10.3	85
51	Fabrication of chitosan/magnesium phosphate composite coating and the in vitro degradation properties of coated magnesium alloy. Materials Letters, 2012, 73, 59-61.	2.6	82
52	Fe_{1â^'x}S@S-doped carbon coreâ€“shell heterostructured hollow spheres as highly reversible anode materials for sodium ion batteries. Journal of Materials Chemistry A, 2019, 7, 20229-20238.	10.3	80
53	Ligand Engineering in Nickel Phthalocyanine to Boost the Electrocatalytic Reduction of CO₂. Advanced Functional Materials, 2022, 32, .	14.9	80
54	Dye-sensitized solar cells based on TiO2 nanoparticles/nanobelts double-layered film with improved photovoltaic performance. Applied Surface Science, 2014, 319, 75-82.	6.1	78

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55	Enhancing CO₂ reduction by suppressing hydrogen evolution with polytetrafluoroethylene protected copper nanoneedles. Journal of Materials Chemistry A, 2020, 8, 15936-15941.	10.3	78
56	Dual Evolution in Defect and Morphology of Singleâ€Atom Dispersed Carbon Based Oxygen Electrocatalyst. Advanced Functional Materials, 2021, 31, 2010472.	14.9	78
57	Activation of CO2 on graphitic carbon nitride supported single-atom cobalt sites. Chemical Engineering Journal, 2021, 415, 128982.	12.7	76
58	3D frame-like architecture of N-C-incorporated mixed metal phosphide boosting ultrahigh energy density pouch-type supercapacitors. Nano Energy, 2022, 91, 106630.	16.0	74
59	A honeycomb-like nitrogen-doped carbon as high-performance anode for potassium-ion batteries. Chemical Engineering Journal, 2020, 384, 123328.	12.7	72
60	Graphitic carbon nitride based single-atom photocatalysts. Frontiers of Physics, 2020, 15, 1.	5.0	72
61	MoS₂ Decorated Fe₃O₄/Fe_{1â€“x}S@C Nanosheets as High-Performance Anode Materials for Lithium Ion and Sodium Ion Batteries. ACS Sustainable Chemistry and Engineering, 2017, 5, 4739-4745.	6.7	70
62	Enhancing Li-S redox kinetics by fabrication of a three dimensional Co/CoP@nitrogen-doped carbon electrocatalyst. Chemical Engineering Journal, 2020, 380, 122595.	12.7	70
63	In Situ Fabrication of Nano Porous NiO-Capped Ni3P film as Anode for Li-Ion Battery with Different Lithiation Path and Significantly Enhanced Electrochemical Performance. Electrochimica Acta, 2016, 220, 258-266.	5.2	64
64	In Situ Fabrication of Carbon-Encapsulated Fe₇X₈ (X = S, Se) for Enhanced Sodium Storage. ACS Applied Materials & Interfaces, 2019, 11, 19040-19047.	8.0	63
65	In-situ MOFs-derived hollow Co9S8 polyhedron welding on the top of MnCo2S4 nanoneedles for high performance hybrid supercapacitors. Chemical Engineering Journal, 2020, 391, 123541.	12.7	63
66	A renewable natural cotton derived and nitrogen/sulfur co-doped carbon as a high-performance sodium ion battery anode. Materials Today Energy, 2018, 8, 37-44.	4.7	61
67	Machine Learning in Screening High Performance Electrocatalysts for CO₂ Reduction. Small Methods, 2021, 5, e2100987.	8.6	60
68	Metallic MoO₂â€Modified Graphitic Carbon Nitride Boosting Photocatalytic CO₂Reduction via Schottky Junction. Solar Rrl, 2020, 4, 1900416.	5.8	59
69	Corrosion protection of AZ31 magnesium alloy by a TiO2 coating prepared by LPD method. Surface and Coatings Technology, 2009, 203, 2017-2020.	4.8	57
70	Recent Advances in Strategies for Improving the Performance of CO₂ Reduction Reaction on Single Atom Catalysts. Small Science, 2021, 1, 2000028.	9.9	57
71	Tuning the intermediate reaction barriers by a CuPd catalyst to improve the selectivity of CO2 electroreduction to C2 products. Chinese Journal of Catalysis, 2021, 42, 1500-1508.	14.0	56
72	On the oxidation behavior of (Zr,Nb)2Fe under simulated nuclear reactor conditions. Corrosion Science, 2016, 112, 718-723.	6.6	55

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73	Mn doped NaV3(PO4)3/C anode with high-rate and long cycle-life for sodium ion batteries. Energy Storage Materials, 2018, 12, 153-160.	18.0	55
74	MOF-derived Co₉S₈polyhedrons on NiCo₂S₄nanowires for high-performance hybrid supercapacitors. Inorganic Chemistry Frontiers, 2020, 7, 4092-4100.	6.0	55
75	In-situ constructing Na3V2(PO4)2F3/carbon nanocubes for fast ion diffusion with high-performance Na+-storage. Chemical Engineering Journal, 2020, 387, 123952.	12.7	53
76	Nickel polyphthalocyanine with electronic localization at the nickel site for enhanced CO2 reduction reaction. Applied Catalysis B: Environmental, 2022, 306, 121093.	20.2	53
77	Preparation and in vitro degradation of the composite coating with high adhesion strength on biodegradable Mgâ€“Znâ€“Ca alloy. Materials Characterization, 2011, 62, 1158-1165.	4.4	50
78	Surfactants assisted synthesis and electrochemical properties of nano-LiFePO 4 /C cathode materials for low temperature applications. Journal of Power Sources, 2015, 288, 337-344.	7.8	49
79	Heterogeneous structured MoSe₂â€“MoO₃ quantum dots with enhanced sodium/potassium storage. Journal of Materials Chemistry A, 2020, 8, 23395-23403.	10.3	48
80	Metalâ€“Organic Frameworksâ€Derived Nitrogenâ€Doped Porous Carbon Nanocubes with Embedded Co Nanoparticles as Efficient Sulfur Immobilizers for Room Temperature Sodiumâ€“Sulfur Batteries. Small Methods, 2021, 5, e2100455.	8.6	48
81	Activated Amorphous Carbon With High-Porosity Derived From Camellia Pollen Grains as Anode Materials for Lithium/Sodium Ion Batteries. Frontiers in Chemistry, 2018, 6, 366.	3.6	47
82	RGO-functionalized polymer nanofibrous membrane with exceptional surface activity and ultra-low airflow resistance for PM_{2.5} filtration. Environmental Science: Nano, 2018, 5, 1813-1820.	4.3	47
83	Direct synthesis of FeS/N-doped carbon composite for high-performance sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 24702-24708.	10.3	46
84	Chemically anchoring of TiO2 coating on OH-terminated Mg3(PO3)2 surface and its influence on the in vitro degradation resistance of Mgâ€“Znâ€“Ca alloy. Applied Surface Science, 2014, 308, 38-42.	6.1	45
85	Recent advances in the utilization of copper sulfide compounds for electrochemical CO2 reduction. Nano Materials Science, 2020, 2, 235-247.	8.8	45
86	Encapsulating Co9S8 nanocrystals into CNT-reinforced N-doped carbon nanofibers as a chainmail-like electrocatalyst for advanced Li-S batteries with high sulfur loading. Chemical Engineering Journal, 2021, 423, 130246.	12.7	45
87	Fabrication of Predominantly Mn⁴⁺â€Doped TiO₂ Nanoparticles under Equilibrium Conditions and Their Application as Visibleâ€Light Photocatalyts. Chemistry - an Asian Journal, 2014, 9, 1904-1912.	3.3	44
88	Plasma-treatment induced H2O dissociation for the enhancement of photocatalytic CO2 reduction to CH4 over graphitic carbon nitride. Applied Surface Science, 2020, 508, 145173.	6.1	44
89	White Light Afterglow in Carbon Dots Achieved via Synergy between the Roomâ€Temperature Phosphorescence and the Delayed Fluorescence. Small, 2022, 18, e2105415.	10.0	44
90	Enabling Argyrodite Sulfides as Superb Solidâ€State Electrolyte with Remarkable Interfacial Stability Against Electrodes. Energy and Environmental Materials, 2022, 5, 852-864.	12.8	43

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91	Hierarchical nanocomposite of carbon-fiber-supported NiCo-based layered double-hydroxide nanosheets decorated with (NiCo)Se2 nanoparticles for high performance energy storage. Journal of Colloid and Interface Science, 2022, 608, 175-185.	9.4	41
92	Remote plasma sputtering deposited Nb-doped TiO2 with remarkable transparent conductivity. Solar Energy Materials and Solar Cells, 2016, 149, 310-319.	6.2	40
93	Snâ€MoS₂â€C@C Microspheres as a Sodiumâ€Ion Battery Anode Material with High Capacity and Long Cycle Life. Chemistry - A European Journal, 2017, 23, 5051-5058.	3.3	39
94	P3-type K0.5Mn0.72Ni0.15Co0.13O2 microspheres as cathode materials for high performance potassium-ion batteries. Chemical Engineering Journal, 2020, 392, 123735.	12.7	39
95	Composite coating prepared by micro-arc oxidation followed by solâ€“gel process and in vitro degradation properties. Applied Surface Science, 2012, 258, 2939-2943.	6.1	38
96	Lithium Ion Conductivity in Double Antiperovskite Li_{6.5}OS_{1.5}I_{1.5}: Alloying and Boundary Effects. ACS Applied Energy Materials, 2019, 2, 6288-6294.	5.1	38
97	A mechanism assessment for the anti-corrosion of zirconia coating under the condition of subcritical water corrosion. Corrosion Science, 2019, 152, 54-59.	6.6	38
98	Tuning the electron structure enables the NiZn alloy for CO2 electroreduction to formate. Journal of Energy Chemistry, 2021, 63, 625-632.	12.9	38
99	CoS₂ needle arrays induced a local pseudo-acidic environment for alkaline hydrogen evolution. Nanoscale, 2021, 13, 13604-13609.	5.6	37
100	PDGF-BB-derived supramolecular hydrogel for promoting skin wound healing. Journal of Nanobiotechnology, 2022, 20, 201.	9.1	37
101	Three-dimensional Porous Networks of Ultra-long Electrospun SnO2 Nanotubes with High Photocatalytic Performance. Nano-Micro Letters, 2015, 7, 86-95.	27.0	35
102	Chemical Identification of Catalytically Active Sites on Oxygenâ€doped Carbon Nanosheet to Decipher the High Activity for Electroâ€synthesis Hydrogen Peroxide. Angewandte Chemie, 2021, 133, 16743-16750.	2.0	34
103	Electric-field promoted Câ€“C coupling over Cu nanoneedles for CO2 electroreduction to C2 products. Chinese Journal of Catalysis, 2022, 43, 519-525.	14.0	34
104	Mn2+ ions doped lead-free zero-dimensional K3SbCl6 perovskite nanocrystals towards white light emitting diodes. Chemical Engineering Journal, 2021, 413, 127415.	12.7	33
105	The formation and stacking faults of Fe and Cr containing Laves phase in Zircaloy-4 alloy. Materials Letters, 2017, 191, 203-205.	2.6	32
106	Nano-porous hollow Li_{0.5}La_{0.5}TiO₃ spheres and electronic structure modulation for ultra-fast H₂S detection. Journal of Materials Chemistry A, 2020, 8, 2376-2386.	10.3	32
107	Carbon Nanosheets Encapsulated NiSb Nanoparticles as Advanced Anode Materials for Lithiumâ€Ion Batteries. Energy and Environmental Materials, 2020, 3, 186-191.	12.8	32
108	The effect of cobalt doping on the morphology and electrochemical performance of high-voltage spinel LiNi0.5Mn1.5O4 cathode material. Solid State Ionics, 2016, 292, 70-74.	2.7	31

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109	Synergistic effect of cation ordered structure and grain boundary engineering on long-term cycling of Li0.35La0.55TiO3-based solid batteries. Journal of the European Ceramic Society, 2019, 39, 3332-3337.	5.7	31
110	Bimetallic atomic site catalysts for CO2 reduction reactions: a review. Environmental Chemistry Letters, 2022, 20, 243-262.	16.2	31
111	In-plane grain boundary induced defect state in hierarchical NiCo-LDH and effect on battery-type charge storage. Nano Research, 2023, 16, 4908-4916.	10.4	31
112	Tandem catalysis on adjacent active motifs of copper grain boundary for efficient CO2 electroreduction toward C2 products. Journal of Energy Chemistry, 2022, 70, 219-223.	12.9	29
113	Strong interplay between dopant and SnO2 in amorphous transparent (Sn, Nb)O2 anode with high conductivity in electrochemical cycling. Journal of Alloys and Compounds, 2018, 735, 2401-2409.	5.5	28
114	Surficial Structure Retention Mechanism for LiNi_{0.8}Co_{0.15}Al_{0.05}O₂ in a Full Gradient Cathode. ACS Applied Materials & Interfaces, 2019, 11, 31991-31996.	8.0	28
115	The progress of nanomaterials for carbon dioxide capture via the adsorption process. Environmental Science: Nano, 2021, 8, 890-912.	4.3	28
116	Fe₂P-decorated N,P Codoped Carbon Synthesized via Direct Biological Recycling for Endurable Sulfur Encapsulation. ACS Central Science, 2020, 6, 1827-1834.	11.3	27
117	3D CuO Network Supported TiO₂ Nanosheets with Applications for Energy Storage and Water Splitting. Science of Advanced Materials, 2016, 8, 1256-1262.	0.7	27
118	Exploration of VPO₄ as a new anode material for sodium-ion batteries. Chemical Communications, 2017, 53, 12696-12699.	4.1	26
119	Recent advances in different-dimension electrocatalysts for carbon dioxide reduction. Journal of Colloid and Interface Science, 2019, 550, 17-47.	9.4	26
120	Growth condition dependence of structural and electrical properties of Mg2Si layers grown on silicon substrates. Vacuum, 2009, 83, 1494-1497.	3.5	25
121	Facile assembly of partly graphene-enveloped sulfur composites in double-solvent for lithiumâ€“sulfur batteries. Electrochimica Acta, 2015, 178, 564-570.	5.2	25
122	Single Cobalt Atoms Decorated Nâ€doped Carbon Polyhedron Enabled Dendriteâ€Free Sodium Metal Anode. Small Methods, 2021, 5, e2100833.	8.6	25
123	Lightâ€Induced Ion Rectification in Zigzag Nanochannels. Chemistry - an Asian Journal, 2015, 10, 2733-2737.	3.3	24
124	A designer fast Li-ion conductor Li6.25PS5.25Cl0.75 and its contribution to the polyethylene oxide based electrolyte. Applied Surface Science, 2019, 493, 1326-1333.	6.1	24
125	Solution-Processed Efficient Perovskite Nanocrystal Light-Emitting Device Utilizing Doped Hole Transport Layer. Journal of Physical Chemistry Letters, 2021, 12, 94-100.	4.6	24
126	Optimizing Hydrogen Binding on Ru Sites with RuCo Alloy Nanosheets for Efficient Alkaline Hydrogen Evolution. Angewandte Chemie, 2022, 134, .	2.0	24

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127	Bright and Efficient Pure Red Perovskite Nanocrystals Lightâ€Emitting Devices via In Situ Modification. Advanced Functional Materials, 2022, 32, .	14.9	24
128	Formation of nanocrystalline Î´-ZrH x in Zircoloy-4: Orientation relationship and twinning. Journal of Alloys and Compounds, 2016, 658, 494-499.	5.5	23
129	MOF-Derived FeS/C Nanosheets for High Performance Lithium Ion Batteries. Nanomaterials, 2019, 9, 492.	4.1	23
130	Near solution-level conductivity of polyvinyl alcohol based electrolyte and the application for fully compliant Al-air battery. Chemical Engineering Journal, 2022, 431, 134283.	12.7	23
131	Direct evidence of multichannel-improved charge-carrier mechanism for enhanced photocatalytic H2 evolution. Scientific Reports, 2017, 7, 16116.	3.3	22
132	Electrochemically intercalated intermediate induced exfoliation of few-layer MoS2 from molybdenite for long-life sodium storage. Science China Materials, 2021, 64, 115-127.	6.3	22
133	Self-consistent assessment of Li+ ion cathodes: Theory vs. experiments. Journal of Energy Chemistry, 2021, 59, 229-241.	12.9	22
134	Intermediate enrichment effect of porous Cu catalyst for CO2 electroreduction to C2 fuels. Electrochimica Acta, 2021, 388, 138552.	5.2	22
135	Atomically Dispersed sâ€Block Magnesium Sites for Electroreduction of CO₂ to CO. Angewandte Chemie, 2021, 133, 25445-25449.	2.0	22
136	Corrosion behavior of TiO2 films on Mgâ€“Zn alloy in simulated body fluid. Applied Surface Science, 2011, 257, 4464-4467.	6.1	21
137	Chemical diversity of iron species and structure evolution during the oxidation of C14 Laves phase Zr(Fe,Nb)2 in subcritical environment. Corrosion Science, 2020, 162, 108218.	6.6	21
138	Photoelectric conversion performances of Mn doped TiO2 under >420nm visible light irradiation. Journal of Saudi Chemical Society, 2015, 19, 595-601.	5.2	20
139	High-performance alkaline water splitting by Ni nanoparticle-decorated Mo-Ni microrods: Enhanced ion adsorption by the local electric field. Chemical Engineering Journal, 2022, 435, 134860.	12.7	20
140	Efficient and Stable CF₃PEAI-Passivated CsPbI₃ QDs toward Red LEDs. ACS Applied Materials & Interfaces, 2022, 14, 8235-8242.	8.0	20
141	One-pot synthesis of SnS/C nanocomposites on carbon paper as a high-performance free-standing anode for lithium ion batteries. Journal of Alloys and Compounds, 2019, 779, 67-73.	5.5	19
142	Tailoring the structure of supported Î´-MnO2 nanosheets to raise pseudocapacitance by surface-modified carbon cloth. Journal of Power Sources, 2020, 449, 227507.	7.8	19
143	Strong temperature-dependent crystallization, phase transition, optical and electrical characteristics of p-type CuAlO₂thin films. Physical Chemistry Chemical Physics, 2015, 17, 557-562.	2.8	18
144	Formation and fine-structures of nano-precipitates in ZIRLO. Journal of Alloys and Compounds, 2016, 687, 451-457.	5.5	18

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145	Suppression on allotropic transformation of Sn planar anode with enhanced electrochemical performance. Applied Surface Science, 2018, 435, 1150-1158.	6.1	18
146	Structural Insight into the Abnormal Capacity of a Co-Substituted Tunnel-Type Na_{0.44}MnO₂ Cathode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 47548-47555.	8.0	18
147	Optimizing the Performance of Perovskite Nanocrystal LEDs Utilizing Cobalt Doping on a ZnO Electron Transport Layer. Journal of Physical Chemistry Letters, 2021, 12, 10112-10119.	4.6	18
148	Pathogenesis of Childrenâ€™s Allergic Diseases: Refocusing the Role of the Gut Microbiota. Frontiers in Physiology, 2021, 12, 749544.	2.8	18
149	CO2 reduction reaction pathways on single-atom Co sites: Impacts of local coordination environment. Chinese Journal of Catalysis, 2022, 43, 832-838.	14.0	18
150	Preparation and application of ZrB2-SiCw composite powder for corrosion resistance improvement in Al2O3â€“ZrO2â€“C slide plate materials. Ceramics International, 2020, 46, 9817-9825.	4.8	17
151	Construction of heterostructured NiFe₂O₄-C nanorods by transition metal recycling from simulated electroplating sludge leaching solution for high performance lithium ion batteries. Nanoscale, 2020, 12, 13398-13406.	5.6	17
152	Hydroxyl radical induced from hydrogen peroxide by cobalt manganese oxides for ciprofloxacin degradation. Chinese Chemical Letters, 2022, 33, 5208-5212.	9.0	17
153	Regulating local charges of atomically dispersed Mo+ sites by nitrogen coordination on cobalt nanosheets to trigger water dissociation for boosted hydrogen evolution in alkaline media. Journal of Energy Chemistry, 2022, 72, 125-132.	12.9	17
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155	In situ atomic-scale engineering of the chemistry and structure of the grain boundaries region of Li3La2/3-TiO3. Scripta Materialia, 2020, 185, 134-139.	5.2	15
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