

Yanguang Li

List of Publications by Year in descending order

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178
papers

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citations

5574

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189
all docs

189
docs citations

189
times ranked

39248
citing authors

#	ARTICLE	IF	CITATIONS
1	Co ₃ O ₄ nanocrystals on graphene as a synergistic catalyst for oxygen reduction reaction. Nature Materials, 2011, 10, 780-786.	27.5	5,120
2	MoS ₂ Nanoparticles Grown on Graphene: An Advanced Catalyst for the Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2011, 133, 7296-7299.	13.7	4,572
3	An Advanced Ni-Fe Layered Double Hydroxide Electrocatalyst for Water Oxidation. Journal of the American Chemical Society, 2013, 135, 8452-8455.	13.7	2,498
4	Highly Crystalline Multimetallic Nanoframes with Three-Dimensional Electrocatalytic Surfaces. Science, 2014, 343, 1339-1343.	12.6	2,376
5	Graphene-Wrapped Sulfur Particles as a Rechargeable Lithium-Sulfur Battery Cathode Material with High Capacity and Cycling Stability. Nano Letters, 2011, 11, 2644-2647.	9.1	1,973
6	Homogeneously dispersed multimetal oxygen-evolving catalysts. Science, 2016, 352, 333-337.	12.6	1,948
7	Recent advances in zinc-air batteries. Chemical Society Reviews, 2014, 43, 5257-5275.	38.1	1,882
8	An oxygen reduction electrocatalyst based on carbon nanotube-graphene complexes. Nature Nanotechnology, 2012, 7, 394-400.	31.5	1,533
9	Covalent Hybrid of Spinel Manganese-Cobalt Oxide and Graphene as Advanced Oxygen Reduction Electrocatalysts. Journal of the American Chemical Society, 2012, 134, 3517-3523.	13.7	1,266
10	Mesoporous Co ₃ O ₄ Nanowire Arrays for Lithium Ion Batteries with High Capacity and Rate Capability. Nano Letters, 2008, 8, 265-270.	9.1	1,234
11	Recent advances in heterogeneous electrocatalysts for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2015, 3, 14942-14962.	10.3	1,061
12	Advanced zinc-air batteries based on high-performance hybrid electrocatalysts. Nature Communications, 2013, 4, 1805.	12.8	976
13	Strongly Coupled Inorganic/Nanocarbon Hybrid Materials for Advanced Electrocatalysis. Journal of the American Chemical Society, 2013, 135, 2013-2036.	13.7	856
14	Ni ₃ Co ₃ O ₄ Nanowire Arrays for Electrocatalytic Oxygen Evolution. Advanced Materials, 2010, 22, 1926-1929.	21.0	837
15	Oxygen Reduction Electrocatalyst Based on Strongly Coupled Cobalt Oxide Nanocrystals and Carbon Nanotubes. Journal of the American Chemical Society, 2012, 134, 15849-15857.	13.7	747
16	Metal-Air Batteries: Will They Be the Future Electrochemical Energy Storage Device of Choice?. ACS Energy Letters, 2017, 2, 1370-1377.	17.4	709
17	Ultrathin bismuth nanosheets from in situ topotactic transformation for selective electrocatalytic CO ₂ reduction to formate. Nature Communications, 2018, 9, 1320.	12.8	658
18	CO ₂ Reduction: From the Electrochemical to Photochemical Approach. Advanced Science, 2017, 4, 1700194.	11.2	651

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19	High-Performance Silicon Photoanodes Passivated with Ultrathin Nickel Films for Water Oxidation. <i>Science</i> , 2013, 342, 836-840.	12.6	630
20	Ultrathin WS ₂ Nanoflakes as a High-Performance Electrocatalyst for the Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7860-7863.	13.8	622
21	Facile Preparation of Multifunctional Upconversion Nanoprobes for Multimodal Imaging and Dual-Targeted Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7385-7390.	13.8	567
22	Mo ₂ C Nanoparticles Dispersed on Hierarchical Carbon Microflowers for Efficient Electrocatalytic Hydrogen Evolution. <i>ACS Nano</i> , 2016, 10, 11337-11343.	14.6	483
23	Ultrathin MoS ₂ /Se ₂ Alloy Nanoflakes For Electrocatalytic Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2015, 5, 2213-2219.	11.2	473
24	Highly active and durable methanol oxidation electrocatalyst based on the synergy of platinum-nickel hydroxide-graphene. <i>Nature Communications</i> , 2015, 6, 10035.	12.8	466
25	Structural defects on converted bismuth oxide nanotubes enable highly active electrocatalysis of carbon dioxide reduction. <i>Nature Communications</i> , 2019, 10, 2807.	12.8	456
26	Co ₁ S ₂ -Graphene Hybrid: A High-Performance Metal Chalcogenide Electrocatalyst for Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10969-10972.	13.8	413
27	Supported Cobalt Polyphthalocyanine for High-Performance Electrocatalytic CO ₂ Reduction. <i>Chem</i> , 2017, 3, 652-664.	11.7	406
28	Rechargeable Li-O ₂ batteries with a covalently coupled MnCo ₂ O ₄ -graphene hybrid as an oxygen cathode catalyst. <i>Energy and Environmental Science</i> , 2012, 5, 7931.	30.8	393
29	Promises of Main Group Metal-Based Nanostructured Materials for Electrochemical CO ₂ Reduction to Formate. <i>Advanced Energy Materials</i> , 2020, 10, 1902338.	19.5	384
30	Zinc Stannate (Zn ₂ SnO ₄) Dye-Sensitized Solar Cells. <i>Journal of the American Chemical Society</i> , 2007, 129, 4162-4163.	13.7	379
31	Metallic Cobalt Nanoparticles Encapsulated in Nitrogen-Enriched Graphene Shells: Its Bifunctional Electrocatalysis and Application in Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 4397-4404.	14.9	350
32	An ultrafast nickel-iron battery from strongly coupled inorganic nanoparticle/nanocarbon hybrid materials. <i>Nature Communications</i> , 2012, 3, 917.	12.8	347
33	Freestanding Mesoporous Quasi-Single-Crystalline Co ₃ O ₄ Nanowire Arrays. <i>Journal of the American Chemical Society</i> , 2006, 128, 14258-14259.	13.7	338
34	Ultrasmall and phase-pure W ₂ C nanoparticles for efficient electrocatalytic and photoelectrochemical hydrogen evolution. <i>Nature Communications</i> , 2016, 7, 13216.	12.8	334
35	Hierarchical VS ₂ Nanosheet Assemblies: A Universal Host Material for the Reversible Storage of Alkali Metal Ions. <i>Advanced Materials</i> , 2017, 29, 1702061.	21.0	320
36	Sulfur-carbon nano-composite as cathode for rechargeable lithium battery based on gel electrolyte. <i>Electrochemistry Communications</i> , 2002, 4, 499-502.	4.7	291

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37	Design strategies for nonaqueous multivalent-ion and monovalent-ion battery anodes. <i>Nature Reviews Materials</i> , 2020, 5, 276-294.	48.7	284
38	Selective CO ₂ Reduction on 2D Mesoporous Bi Nanosheets. <i>Advanced Energy Materials</i> , 2018, 8, 1801536.	19.5	274
39	Ultrafast high-capacity NiZn battery with NiAlCo-layered double hydroxide. <i>Energy and Environmental Science</i> , 2014, 7, 2025.	30.8	265
40	LiMn _{1-x} Fe _x PO ₄ Nanorods Grown on Graphene Sheets for Ultrahigh-Rate Performance Lithium Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7364-7368.	13.8	262
41	Liquid Phase Exfoliated MoS ₂ Nanosheets Percolated with Carbon Nanotubes for High Volumetric/Areal Capacity Sodium-Ion Batteries. <i>ACS Nano</i> , 2016, 10, 8821-8828.	14.6	258
42	Promoting Effect of Ni(OH) ₂ on Palladium Nanocrystals Leads to Greatly Improved Operation Durability for Electrocatalytic Ethanol Oxidation in Alkaline Solution. <i>Advanced Materials</i> , 2017, 29, 1703057.	21.0	251
43	2D PdAg Alloy Nanodendrites for Enhanced Ethanol Electrooxidation. <i>Advanced Materials</i> , 2018, 30, 1706962.	21.0	243
44	N,B-codoped defect-rich graphitic carbon nanocages as high performance multifunctional electrocatalysts. <i>Nano Energy</i> , 2017, 42, 334-340.	16.0	238
45	Molecular Heterostructures of Covalent Triazine Frameworks for Enhanced Photocatalytic Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8676-8680.	13.8	230
46	Controlled Chlorine Plasma Reaction for Noninvasive Graphene Doping. <i>Journal of the American Chemical Society</i> , 2011, 133, 19668-19671.	13.7	211
47	Zinc-air batteries: are they ready for prime time?. <i>Chemical Science</i> , 2019, 10, 8924-8929.	7.4	211
48	Ultrathin nickel-iron layered double hydroxide nanosheets intercalated with molybdate anions for electrocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16348-16353.	10.3	209
49	Coassembly of Graphene Oxide and Nanowires for Large-Area Nanowire Alignment. <i>Journal of the American Chemical Society</i> , 2009, 131, 5851-5857.	13.7	195
50	Alloying Nickel with Molybdenum Significantly Accelerates Alkaline Hydrogen Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5771-5777.	13.8	182
51	Weakening hydrogen adsorption on nickel via interstitial nitrogen doping promotes bifunctional hydrogen electrocatalysis in alkaline solution. <i>Energy and Environmental Science</i> , 2019, 12, 3522-3529.	30.8	177
52	Cobalt Hexacyanoferrate Nanoparticles as a High-Rate and Ultra-Stable Supercapacitor Electrode Material. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11007-11012.	8.0	171
53	Amorphous MoS ₃ as the sulfur-equivalent cathode material for room-temperature Li-S and Na-S batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13091-13096.	7.1	170
54	Simple-Cubic Carbon Frameworks with Atomically Dispersed Iron Dopants toward High-Efficiency Oxygen Reduction. <i>Nano Letters</i> , 2017, 17, 2003-2009.	9.1	168

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55	Amorphous MoS ₃ Infiltrated with Carbon Nanotubes as an Advanced Anode Material of Sodium-Ion Batteries with Large Gravimetric, Areal, and Volumetric Capacities. <i>Advanced Energy Materials</i> , 2017, 7, 1601602.	19.5	164
56	Electrical, Mechanical, and Capacity Percolation Leads to High-Performance MoS ₂ /Nanotube Composite Lithium Ion Battery Electrodes. <i>ACS Nano</i> , 2016, 10, 5980-5990.	14.6	159
57	Controlled synthesis of ZnO nanowires or nanotubes via sol-gel template process. <i>Solid State Communications</i> , 2005, 134, 485-489.	1.9	156
58	Construction of ultrafine ZnSe nanoparticles on/in amorphous carbon hollow nanospheres with high-power-density sodium storage. <i>Nano Energy</i> , 2019, 59, 762-772.	16.0	155
59	Mesoporous PdAg Nanospheres for Stable Electrochemical CO ₂ Reduction to Formate. <i>Advanced Materials</i> , 2020, 32, e2000992.	21.0	153
60	<i>In Situ</i> X-ray Absorption Near-Edge Structure Study of Advanced NiFe(OH) _x Electrocatalyst on Carbon Paper for Water Oxidation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19573-19583.	3.1	146
61	Ammonia-Evaporation-Induced Synthetic Method for Metal (Cu, Zn, Cd, Ni) Hydroxide/Oxide Nanostructures. <i>Chemistry of Materials</i> , 2008, 20, 567-576.	6.7	142
62	TiS ₂ nanoplates: A high-rate and stable electrode material for sodium ion batteries. <i>Nano Energy</i> , 2016, 20, 168-175.	16.0	137
63	Frenkel-defected monolayer MoS ₂ catalysts for efficient hydrogen evolution. <i>Nature Communications</i> , 2022, 13, 2193.	12.8	137
64	MoS ₂ Nanosheet Assembling Superstructure with a Three-Dimensional Ion Accessible Site: A New Class of Bifunctional Materials for Batteries and Electrocatalysis. <i>Chemistry of Materials</i> , 2016, 28, 2074-2080.	6.7	130
65	Improved Sodium-Ion Storage Performance of Ultrasmall Iron Selenide Nanoparticles. <i>Nano Letters</i> , 2017, 17, 4137-4142.	9.1	128
66	Solvothermal Synthesis of Alloyed PtNi Colloidal Nanocrystal Clusters (CNCs) with Enhanced Catalytic Activity for Methanol Oxidation. <i>Advanced Functional Materials</i> , 2018, 28, 1704774.	14.9	126
67	Activating Li ₂ S as the Lithium-Containing Cathode in Lithium-Sulfur Batteries. <i>ACS Energy Letters</i> , 2020, 5, 2234-2245.	17.4	125
68	Recent advances in black-phosphorus-based materials for electrochemical energy storage. <i>Materials Today</i> , 2021, 42, 117-136.	14.2	125
69	High-Performance Oxygen Reduction Electrocatalyst Derived from Polydopamine and Cobalt Supported on Carbon Nanotubes for Metal-Air Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1606034.	14.9	121
70	Nanostructured CuP ₂ /C composites as high-performance anode materials for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21754-21759.	10.3	113
71	Iron polyphthalocyanine sheathed multiwalled carbon nanotubes: A high-performance electrocatalyst for oxygen reduction reaction. <i>Nano Research</i> , 2016, 9, 1497-1506.	10.4	112
72	Conjugated Cobalt Polyphthalocyanine as the Elastic and Reprocessable Catalyst for Flexible Li-CO ₂ Batteries. <i>Advanced Materials</i> , 2019, 31, e1805484.	21.0	112

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73	Ultra-dispersed molybdenum phosphide and phosphosulfide nanoparticles on hierarchical carbonaceous scaffolds for hydrogen evolution electrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 656-661.	20.2	108
74	Engineering manganese oxide/nanocarbon hybrid materials for oxygen reduction electrocatalysis. <i>Nano Research</i> , 2012, 5, 718-725.	10.4	104
75	Rational Synthesis and Assembly of Ni ₃ S ₄ Nanorods for Enhanced Electrochemical Sodium-Ion Storage. <i>ACS Nano</i> , 2018, 12, 1829-1836.	14.6	104
76	WS ₂ nanoflakes from nanotubes for electrocatalysis. <i>Nano Research</i> , 2013, 6, 921-928.	10.4	103
77	N,P-coordinated fullerene-like carbon nanostructures with dual active centers toward highly-efficient multi-functional electrocatalysis for CO ₂ RR, ORR and Zn-air battery. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15271-15277.	10.3	99
78	All flexible electrospun papers based self-charging power system. <i>Nano Energy</i> , 2017, 38, 210-217.	16.0	97
79	Deciphering the Reaction Mechanism of Lithium-Sulfur Batteries by In Situ/Operando Synchrotron-Based Characterization Techniques. <i>Advanced Energy Materials</i> , 2019, 9, 1900148.	19.5	96
80	Self-templated synthesis of hierarchical mesoporous SnO ₂ nanosheets for selective CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1267-1272.	10.3	93
81	Transition metal macrocycles for heterogeneous electrochemical CO ₂ reduction. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213435.	18.8	88
82	Highly reversible Na and K metal anodes enabled by carbon paper protection. <i>Energy Storage Materials</i> , 2018, 15, 8-13.	18.0	85
83	Fe-N bonding in a carbon nanotube-graphene complex for oxygen reduction: an XAS study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15787.	2.8	84
84	Ultradispersed WxC nanoparticles enable fast polysulfide interconversion for high-performance Li-S batteries. <i>Nano Energy</i> , 2019, 59, 636-643.	16.0	83
85	Towards practical lean-electrolyte Li-S batteries: Highly solvating electrolytes or sparingly solvating electrolytes?. , 2022, 1, e9120012.		83
86	CuWO ₄ Nanoflake Array-Based Single-Junction and Heterojunction Photoanodes for Photoelectrochemical Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9211-9217.	8.0	81
87	Large-Area Vertically Aligned Bismuthene Nanosheet Arrays from Galvanic Replacement Reaction for Efficient Electrochemical CO ₂ Conversion. <i>Advanced Materials</i> , 2021, 33, e2100910.	21.0	81
88	Engineering SnS ₂ nanosheet assemblies for enhanced electrochemical lithium and sodium ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25618-25624.	10.3	79
89	Designing principles of advanced sulfur cathodes toward practical lithium-sulfur batteries. <i>SusMat</i> , 2022, 2, 34-64.	14.9	77
90	Intermetallic PtBi core/ultrathin Pt shell nanoplates for efficient and stable methanol and ethanol electro-oxidation. <i>Nano Research</i> , 2019, 12, 429-436.	10.4	76

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91	Alloyed Palladium-Silver Nanowires Enabling Ultrastable Carbon Dioxide Reduction to Formate. <i>Advanced Materials</i> , 2021, 33, e2005821.	21.0	73
92	Directly anchoring Fe ₃ C nanoclusters and Fe _{Nx} sites in ordered mesoporous nitrogen-doped graphitic carbons to boost electrocatalytic oxygen reduction. <i>Carbon</i> , 2017, 121, 143-153.	10.3	71
93	Size-Dependent Selectivity of Electrochemical CO ₂ Reduction on Converted In ₂ O ₃ Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15844-15848.	13.8	71
94	MoSe ₂ porous microspheres comprising monolayer flakes with high electrocatalytic activity. <i>Nano Research</i> , 2015, 8, 1108-1115.	10.4	70
95	Molecular Heterostructures of Covalent Triazine Frameworks for Enhanced Photocatalytic Hydrogen Production. <i>Angewandte Chemie</i> , 2019, 131, 8768-8772.	2.0	67
96	Bilayer nanosheets of unusual stoichiometric bismuth oxychloride for potassium ion storage and CO ₂ reduction. <i>Nano Energy</i> , 2020, 75, 104939.	16.0	66
97	Stabilizing nickel sulfide nanoparticles with an ultrathin carbon layer for improved cycling performance in sodium ion batteries. <i>Nano Research</i> , 2016, 9, 3162-3170.	10.4	65
98	Fast-Charging and Ultrahigh-Capacity Lithium Metal Anode Enabled by Surface Alloying. <i>Advanced Energy Materials</i> , 2020, 10, 1902343.	19.5	65
99	Chemical Immobilization and Conversion of Active Polysulfides Directly by Copper Current Collector: A New Approach to Enabling Stable Room-Temperature Li-S and Na-S Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1800624.	19.5	64
100	Nickel-coated silicon photocathode for water splitting in alkaline electrolytes. <i>Nano Research</i> , 2015, 8, 1577-1583.	10.4	63
101	Polyanthraquinone-based nanostructured electrode material capable of high-performance pseudocapacitive energy storage in aprotic electrolyte. <i>Nano Energy</i> , 2015, 15, 654-661.	16.0	63
102	Metal-Free Photocatalytic Hydrogenation Using Covalent Triazine Polymers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14378-14382.	13.8	60
103	Mesoporous Nb-Doped TiO ₂ as Pt Support for Counter Electrode in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7456-7460.	3.1	59
104	Two-Dimensional Palladium-Copper Alloy Nanodendrites for Highly Stable and Selective Electrochemical Formate Production. <i>Nano Letters</i> , 2021, 21, 4092-4098.	9.1	59
105	Phase-Dependent Electrocatalytic CO ₂ Reduction on Pd ₃ Bi Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21741-21745.	13.8	59
106	Critical Role of Screw Dislocation in the Growth of Co(OH) ₂ Nanowires as Intermediates for Co ₃ O ₄ Nanowire Growth. <i>Chemistry of Materials</i> , 2010, 22, 5537-5542.	6.7	56
107	Two-dimensional semiconducting covalent organic frameworks for photocatalytic solar fuel production. <i>Materials Today</i> , 2020, 40, 160-172.	14.2	56
108	Carbonaceous materials for electrochemical CO ₂ reduction. <i>EnergyChem</i> , 2020, 2, 100024.	19.1	55

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109	2D Molecular Sheets of Hydrogen-Bonded Organic Frameworks for Ultrastable Sodium-Ion Storage. <i>Advanced Materials</i> , 2021, 33, e2106079.	21.0	55
110	Cobalt atoms dispersed on hierarchical carbon nitride support as the cathode electrocatalyst for high-performance lithium-polysulfide batteries. <i>Science Bulletin</i> , 2019, 64, 1875-1880.	9.0	54
111	Formation of Na _{0.44} MnO ₂ nanowires via stress-induced splitting of birnessite nanosheets. <i>Nano Research</i> , 2009, 2, 54-60.	10.4	53
112	Selective electrocatalytic CO ₂ reduction enabled by SnO ₂ nanoclusters. <i>Journal of Energy Chemistry</i> , 2019, 37, 93-96.	12.9	52
113	Scalable preparation and stabilization of atomic-thick CoNi layered double hydroxide nanosheets for bifunctional oxygen electrocatalysis and rechargeable zinc-air batteries. <i>Energy Storage Materials</i> , 2019, 16, 24-30.	18.0	52
114	Photocathode engineering for efficient photoelectrochemical CO ₂ reduction. <i>Materials Today Nano</i> , 2020, 10, 100077.	4.6	52
115	Understanding and leveraging the effect of cations in the electrical double layer for electrochemical CO ₂ reduction. <i>Chem Catalysis</i> , 2022, 2, 1267-1276.	6.1	52
116	Iron-based sodium-ion full batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1754-1761.	10.3	50
117	Designing effective Si/Ag interface via controlled chemical etching for photoelectrochemical CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21906-21912.	10.3	50
118	Copper-Bismuth Bimetallic Microspheres for Selective Electrocatalytic Reduction of CO ₂ to Formate. <i>Chinese Journal of Chemistry</i> , 2019, 37, 497-500.	4.9	50
119	Toward Highly Selective Electrochemical CO ₂ Reduction using Metal-Free Heteroatom-Doped Carbon. <i>Advanced Science</i> , 2020, 7, 2001002.	11.2	48
120	Bimetallic PdAu Nanoframes for Electrochemical H ₂ O ₂ Production in Acids. , 2021, 3, 996-1002.		48
121	Interlayer-expanded MoS ₂ assemblies for enhanced electrochemical storage of potassium ions. <i>Nano Research</i> , 2020, 13, 225-230.	10.4	47
122	Efficient Photoelectrochemical Hydrogen Evolution on Silicon Photocathodes Interfaced with Nanostructured NiP ₂ Cocatalyst Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31025-31031.	8.0	46
123	Controllable Synthesis of Ordered Mesoporous Mo ₂ C@Graphitic Carbon Core-Shell Nanowire Arrays for Efficient Electrocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18761-18770.	8.0	46
124	Room-temperature metal-sulfur batteries: What can we learn from lithium-sulfur?. <i>Informa Mater</i> , 2022, 4, .	17.3	45
125	Two-electron oxygen reduction reaction by high-loading molybdenum single-atom catalysts. <i>Rare Metals</i> , 2020, 39, 455-457.	7.1	40
126	Selective electrochemical production of hydrogen peroxide at zigzag edges of exfoliated molybdenum telluride nanoflakes. <i>National Science Review</i> , 2020, 7, 1360-1366.	9.5	40

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127	Electronic Tuning of Covalent Triazine Framework Nanoshells for Highly Efficient Photocatalytic H ₂ O ₂ Production. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100184.	5.3	40
128	Single-Crystalline Mesoporous Palladium and Palladium-Copper Nanocubes for Highly Efficient Electrochemical CO ₂ Reduction. <i>CCS Chemistry</i> , 2022, 4, 1376-1385.	7.8	39
129	Theory-guided design of hydrogen-bonded cobaltoporphyrin frameworks for highly selective electrochemical H ₂ O ₂ production in acid. <i>Nature Communications</i> , 2022, 13, 2721.	12.8	38
130	Alloying Nickel with Molybdenum Significantly Accelerates Alkaline Hydrogen Electrocatalysis. <i>Angewandte Chemie</i> , 2021, 133, 5835-5841.	2.0	37
131	Valorizing carbon dioxide via electrochemical reduction on gas-diffusion electrodes. <i>Informa-Materials</i> , 2021, 3, 1313-1332.	17.3	37
132	Preparation, characterization, and electrocatalytic performance of graphene-methylene blue thin films. <i>Nano Research</i> , 2011, 4, 124-130.	10.4	35
133	A hierarchical MoC _{1-x} hybrid nanostructure for lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8125-8132.	10.3	34
134	Highly Dispersed Indium Oxide Nanoparticles Supported on Carbon Nanorods Enabling Efficient Electrochemical CO ₂ Reduction. <i>Small Science</i> , 2021, 1, 2100029.	9.9	34
135	Salt-templated growth of monodisperse hollow nanostructures. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1404-1409.	10.3	33
136	The structural and electronic properties of spinel MnCo ₂ O ₄ bulk and low-index surfaces: From first principles studies. <i>Applied Surface Science</i> , 2015, 349, 510-515.	6.1	32
137	Silicon/Organic Heterojunction for Photoelectrochemical Energy Conversion Photoanode with a Record Photovoltage. <i>ACS Nano</i> , 2016, 10, 9411-9419.	14.6	32
138	Influence of crystal phase on TiO ₂ nanowire anodes in sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20005-20013.	10.3	32
139	Synthesis and Electrochemical Properties of Semicrystalline Gyroidal Mesoporous MnO ₂ . <i>Chinese Journal of Chemistry</i> , 2006, 24, 835-839.	4.9	31
140	Controlled chemical etching leads to efficient silicon-bismuth interface for photoelectrochemical CO ₂ reduction to formate. <i>Materials Today Chemistry</i> , 2019, 11, 80-85.	3.5	31
141	Li-S batteries: Firing for compactness. <i>Nature Energy</i> , 2017, 2, .	39.5	30
142	Review on Multivalent Rechargeable Metal-Organic Batteries. <i>Energy & Fuels</i> , 2021, 35, 7624-7636.	5.1	28
143	An Integrated Peptide-Antigen Microarray on Plasmonic Gold Films for Sensitive Human Antibody Profiling. <i>PLoS ONE</i> , 2013, 8, e71043.	2.5	27
144	Simultaneous power generation and CO ₂ valorization by aqueous Al-CO ₂ batteries using nanostructured Bi ₂ S ₃ as the cathode electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12385-12390.	10.3	27

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145	Solvent-free nanocasting toward universal synthesis of ordered mesoporous transition metal sulfide@N-doped carbon composites for electrochemical applications. <i>Nano Research</i> , 2019, 12, 2250-2258.	10.4	25
146	Liquid phase exfoliation of GeS nanosheets in ambient conditions for lithium ion battery applications. <i>2D Materials</i> , 2020, 7, 035015.	4.4	25
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