

Li Song

List of Publications by Year in descending order

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486
papers

47,724
citations

1368

108
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2323

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all docs

494
docs citations

494
times ranked

43868
citing authors

#	ARTICLE	IF	CITATIONS
1	Cu ^x S derived copper nanoparticles: A platform for unraveling the role of surface reconstruction in efficient electrocatalytic CO ₂ -to-C ₂ H ₄ conversion. Nano Research, 2023, 16, 4494-4498.	5.8	42
2	Support induced phase engineering toward superior electrocatalyst. Nano Research, 2022, 15, 1831-1837.	5.8	13
3	Limiting the Uncoordinated N Species in Single-Atom Catalysts toward Electrocatalytic CO ₂ Reduction in Broad Voltage Range. Advanced Materials, 2022, 34, e2104090.	11.1	57
4	Structural investigation of metallic Ni nanoparticles with N-doped carbon for efficient oxygen evolution reaction. Chemical Engineering Journal, 2022, 429, 132122.	6.6	35
5	Carbon Nanotubes-Based Electrocatalysts: Structural Regulation, Support Effect, and Synchrotron-Based Characterization. Advanced Functional Materials, 2022, 32, 2106684.	7.8	14
6	In Situ Architecting Endogenous Heterojunction of MoS ₂ Coupling with Mo ₂ CT _x MXenes for Optimized Li ⁺ Storage. Advanced Materials, 2022, 34, e2108809.	11.1	33
7	Single Carbon Vacancy Traps Atomic Platinum for Hydrogen Evolution Catalysis. Journal of the American Chemical Society, 2022, 144, 2171-2178.	6.6	140
8	Synchrotron-radiation spectroscopic identification towards diverse local environments of single-atom catalysts. Journal of Materials Chemistry A, 2022, 10, 5771-5791.	5.2	19
9	A Flexible Aqueous Zinc-Iodine Microbattery with Unprecedented Energy Density. Advanced Materials, 2022, 34, e2109450.	11.1	49
10	Ppm-level Cu dopant on ultrathin Pd nanosheets/TiO ₂ for highly enhanced photocatalytic alcoholysis of epoxides. Applied Catalysis B: Environmental, 2022, 307, 121211.	10.8	13
11	N-Doped hollow Fe _{0.4} Co _{0.6} S ₂ @NC nanoboxes derived from a Prussian blue analogue as a sodium ion anode. Dalton Transactions, 2022, 51, 6855-6859.	1.6	2
12	Enabling High Loading in Single-Atom Catalysts on Bare Substrate with Chemical Scissors by Saturating the Anchoring Sites. Small, 2022, 18, e2200073.	5.2	14
13	Coexistence of the hourglass and nodal-line dispersions in Nb ₃ SiTe ₆ revealed by ARPES. IScience, 2022, 25, 103952.	1.9	0
14	A clicking confinement strategy to fabricate transition metal single-atom sites for bifunctional oxygen electrocatalysis. Science Advances, 2022, 8, eabn5091.	4.7	123
15	Dynamically Formed Surfactant Assembly at the Electrified Electrode-Electrolyte Interface Boosting CO ₂ Electroreduction. Journal of the American Chemical Society, 2022, 144, 6613-6622.	6.6	106
16	Structural Reconstruction of Cu ₂ O Superparticles toward Electrocatalytic CO ₂ Reduction with High C ₂₊ Products Selectivity. Advanced Science, 2022, 9, e2105292.	5.6	65
17	A Defect Engineered Electrocatalyst that Promotes High-Efficiency Urea Synthesis under Ambient Conditions. ACS Nano, 2022, 16, 8213-8222.	7.3	109
18	Enabling fast-charging selenium-based aqueous batteries via conversion reaction with copper ions. Nature Communications, 2022, 13, 1863.	5.8	27

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19	Achieving high-efficient urea oxidation via regulating the rate-determining step over a V single atom incorporated Co hydroxide electrocatalyst. <i>Chemical Engineering Journal</i> , 2022, 439, 135768.	6.6	22
20	Electrochemical Nitrate Production <i>via</i> Nitrogen Oxidation with Atomically Dispersed Fe on N-Doped Carbon Nanosheets. <i>ACS Nano</i> , 2022, 16, 655-663.	7.3	44
21	Synergetic Chemistry and Interface Engineering of Hydrogel Electrolyte to Strengthen Durability of Solid-State Zn-Air Batteries. <i>Small Methods</i> , 2022, 6, e2101276.	4.6	41
22	Synergic Reaction Kinetics over Adjacent Ruthenium Sites for Superb Hydrogen Generation in Alkaline Media. <i>Advanced Materials</i> , 2022, 34, e2110604.	11.1	108
23	Triggering electronic coupling between neighboring hetero-diatomic metal sites promotes hydrogen evolution reaction kinetics. <i>Nano Energy</i> , 2022, 98, 107296.	8.2	30
24	Confining High-Valence Iridium Single Sites onto Nickel Oxyhydroxide for Robust Oxygen Evolution. <i>Nano Letters</i> , 2022, 22, 3832-3839.	4.5	33
25	Pure Aqueous Planar Microsupercapacitors with Ultrahigh Energy Density under Wide Temperature Ranges. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	17
26	Synergizing Inter and Intraband Transitions in Defective Tungsten Oxide for Efficient Photocatalytic Alcohol Dehydration to Alkenes. <i>Jacs Au</i> , 2022, 2, 1160-1168.	3.6	12
27	An anionic regulation mechanism for the structural reconstruction of sulfide electrocatalysts under oxygen evolution conditions. <i>Energy and Environmental Science</i> , 2022, 15, 3257-3264.	15.6	74
28	Impaired body-centred sensorimotor transformations in congenitally deaf people. <i>Brain Communications</i> , 2022, 4, .	1.5	2
29	Reversible Al Metal Anodes Enabled by Amorphization for Aqueous Aluminum Batteries. <i>Journal of the American Chemical Society</i> , 2022, 144, 11444-11455.	6.6	63
30	Approach to electrochemical modulating differential extended X-ray absorption fine structure. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 1065-1073.	1.0	5
31	Fast constructing polarity-switchable zinc-bromine microbatteries with high areal energy density. <i>Science Advances</i> , 2022, 8, .	4.7	19
32	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO ₂ reduction. <i>Nano Energy</i> , 2021, 79, 105429.	8.2	117
33	Anomalous self-optimization of sulfate ions for boosted oxygen evolution reaction. <i>Science Bulletin</i> , 2021, 66, 553-561.	4.3	30
34	Improving hydrogen evolution reaction performance by combining ditungsten carbide and nitrogen-doped graphene: A first-principles study. <i>Carbon</i> , 2021, 172, 122-131.	5.4	25
35	MOF-derived Co-MOF, O-doped carbon as trifunctional electrocatalysts to enable highly efficient Zn-air batteries and water-splitting. <i>Journal of Energy Chemistry</i> , 2021, 56, 290-298.	7.1	117
36	<i>Operando</i> X-ray spectroscopy visualizing the chameleon-like structural reconstruction on an oxygen evolution electrocatalyst. <i>Energy and Environmental Science</i> , 2021, 14, 906-915.	15.6	93

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37	Rostral middle frontal gyrus thickness mediates the relationship between genetic risk and neuroticism trait. <i>Psychophysiology</i> , 2021, 58, e13728.	1.2	5
38	Tracking structural evolution: <i>operando</i> regenerative CeOx/Bi interface structure for high-performance CO ₂ electroreduction. <i>National Science Review</i> , 2021, 8, nwaal187.	4.6	50
39	Stretchable supercapacitor at ~30 °C. <i>Energy and Environmental Science</i> , 2021, 14, 3075-3085.	15.6	114
40	Facile modulation of different vacancies in ZnS nanoplates for efficient solar fuel production. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7977-7990.	5.2	21
41	Manganese buffer induced high-performance disordered MnVO cathodes in zinc batteries. <i>Energy and Environmental Science</i> , 2021, 14, 3954-3964.	15.6	57
42	Selective Etching Quaternary MAX Phase toward Single Atom Copper Immobilized MXene (Ti ₃ C ₂ Cl _x) for Efficient CO ₂ Electroreduction to Methanol. <i>ACS Nano</i> , 2021, 15, 4927-4936.	7.3	139
43	Determination of ascorbic acid using electrochemiluminescence sensor based on nitrogen and sulfur doping graphene quantum dots with luminol as internal standard. <i>Mikrochimica Acta</i> , 2021, 188, 120.	2.5	11
44	Interfacial engineering of heterogeneous catalysts for electrocatalysis. <i>Materials Today</i> , 2021, 48, 115-134.	8.3	96
45	Efficient Photoelectrochemical Conversion of Methane into Ethylene Glycol by WO ₃ Nanobar Arrays. <i>Angewandte Chemie</i> , 2021, 133, 9443-9447.	1.6	20
46	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. <i>Science Advances</i> , 2021, 7, .	4.7	64
47	Efficient Photoelectrochemical Conversion of Methane into Ethylene Glycol by WO ₃ Nanobar Arrays. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9357-9361.	7.2	71
48	Short-Range Ordered Iridium Single Atoms Integrated into Cobalt Oxide Spinel Structure for Highly Efficient Electrocatalytic Water Oxidation. <i>Journal of the American Chemical Society</i> , 2021, 143, 5201-5211.	6.6	287
49	HCl-Based Hydrothermal Etching Strategy toward Fluoride-Free MXenes. <i>Advanced Materials</i> , 2021, 33, e2101015.	11.1	79
50	Altering Hydrogenation Pathways in Photocatalytic Nitrogen Fixation by Tuning Local Electronic Structure of Oxygen Vacancy with Dopant. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16085-16092.	7.2	152
51	Probing self-optimization of carbon support in oxygen evolution reaction. <i>Nano Research</i> , 2021, 14, 4534-4540.	5.8	20
52	Altering Hydrogenation Pathways in Photocatalytic Nitrogen Fixation by Tuning Local Electronic Structure of Oxygen Vacancy with Dopant. <i>Angewandte Chemie</i> , 2021, 133, 16221-16228.	1.6	8
53	Tailoring Unsymmetrical-Coordinated Atomic Site in Oxide-Supported Pt Catalysts for Enhanced Surface Activity and Stability. <i>Small</i> , 2021, 17, e2101008.	5.2	20
54	Single-Crystal Inorganic Helical Architectures Induced by Asymmetrical Defects in Sub-Nanometric Wires. <i>Journal of the American Chemical Society</i> , 2021, 143, 9858-9865.	6.6	26

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55	Boosting hydrogen evolution reaction on few-layer graphdiyne by sp-N and B co-doping. <i>APL Materials</i> , 2021, 9, .	2.2	23
56	Cortical thickness distinguishes between major depression and schizophrenia in adolescents. <i>BMC Psychiatry</i> , 2021, 21, 361.	1.1	6
57	Regulating the electronic structure of CoP nanoflowers by molybdenum incorporation for enhanced lithium and sodium storage. <i>Journal of Power Sources</i> , 2021, 500, 229975.	4.0	15
58	Robust and High Photoluminescence in WS ₂ Monolayer through In Situ Defect Engineering. <i>Advanced Functional Materials</i> , 2021, 31, 2105339.	7.8	47
59	An Aqueous Anti-Freezing and Heat-Tolerant Symmetric Microsupercapacitor with 2.3V Output Voltage. <i>Advanced Energy Materials</i> , 2021, 11, 2101523.	10.2	28
60	Selective electrocatalytic synthesis of urea with nitrate and carbon dioxide. <i>Nature Sustainability</i> , 2021, 4, 868-876.	11.5	264
61	Hydrogen-Intercalation-Induced Lattice Expansion of Pd@Pt Core-Shell Nanoparticles for Highly Efficient Electrocatalytic Alcohol Oxidation. <i>Journal of the American Chemical Society</i> , 2021, 143, 11262-11270.	6.6	121
62	Heteroatom sulfur-induced defect engineering in carbon nanotubes: Enhanced electrocatalytic activity of oxygen reduction reaction. <i>Carbon</i> , 2021, 180, 31-40.	5.4	21
63	Novel Enhanced Lanthanide Electrochemiluminescence Luminophores: Ce ³⁺ -Doped TbPO ₄ Facile Synthesis and Detection for Mucin1. <i>Analytical Chemistry</i> , 2021, 93, 12289-12295.	3.2	13
64	Ultrasensitive dual-quenching electrochemiluminescence immunosensor for prostate specific antigen detection based on graphitic carbon nitride quantum dots as an emitter. <i>Mikrochimica Acta</i> , 2021, 188, 350.	2.5	5
65	Surface Local Polarization Induced by Bismuth-Oxygen Vacancy Pairs Tuning Non-Covalent Interaction for CO ₂ Photoreduction. <i>Advanced Energy Materials</i> , 2021, 11, 2102389.	10.2	109
66	A Cascade Battery: Coupling Two Sequential Electrochemical Reactions in a Single Battery. <i>Advanced Materials</i> , 2021, 33, e2105480.	11.1	25
67	Selective N ₂ /H ₂ O adsorption onto 2D amphiphilic amorphous photocatalysts for ambient gas-phase nitrogen fixation. <i>Applied Catalysis B: Environmental</i> , 2021, 294, 120240.	10.8	10
68	The modulating effect of N coordination on single-atom catalysts researched by Pt-N-C model through both experimental study and DFT simulation. <i>Journal of Materials Science and Technology</i> , 2021, 91, 160-167.	5.6	27
69	Functionalized europium-porphyrin coordination polymer: Rational design of high performance electrochemiluminescence emitter for mucin 1 sensing. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113422.	5.3	13
70	Manipulating and probing the structural self-optimization in oxygen evolution reaction catalysts. <i>Current Opinion in Electrochemistry</i> , 2021, 30, 100788.	2.5	11
71	Self-optimizing iron phosphorus oxide for stable hydrogen evolution at high current. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120559.	10.8	14
72	Synergistic Ice Inhibition Effect Enhances Rapid Freezing Cryopreservation with Low Concentration of Cryoprotectants. <i>Advanced Science</i> , 2021, 8, 2003387.	5.6	26

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73	Working-in-tandem mechanism of multi-dopants in enhancing electrocatalytic nitrogen reduction reaction performance of carbon-based materials. <i>Nano Research</i> , 2021, 14, 3234-3239.	5.8	20
74	A Superstable Luminescent Lanthanide Metal Organic Gel Utilized in an Electrochemiluminescence Sensor for Epinephrine Detection with a Narrow Potential Sweep Range. <i>ACS Sensors</i> , 2021, 6, 252-258.	4.0	56
75	Nano-Sized Au Particle-Modified Carbon Nanotubes as an Effective and Stable Cathode for Li ⁺ /CO ₂ Batteries. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 590-596.	1.0	19
76	Pd-Modified ZnO-Au Enabling Alkoxy Intermediates Formation and Dehydrogenation for Photocatalytic Conversion of Methane to Ethylene. <i>Journal of the American Chemical Society</i> , 2021, 143, 269-278.	6.6	151
77	Synergistic Effect of Platinum Single Atoms and Nanoclusters Boosting Electrocatalytic Hydrogen Evolution. <i>CCS Chemistry</i> , 2021, 3, 2539-2547.	4.6	36
78	<i>In Situ</i> Electrocatalytic Infrared Spectroscopy for Dynamic Reactions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 24289-24300.	1.5	23
79	Superconducting properties and topological nodal lines features in centrosymmetric Sn _{0.5} TaSe ₂ . <i>Nano Research</i> , 2021, 14, 2613-2619.	5.8	5
80	Defect engineering on V ₂ O ₃ cathode for long-cycling aqueous zinc metal batteries. <i>Nature Communications</i> , 2021, 12, 6878.	5.8	118
81	Support Effects in Electrocatalysis and Their Synchrotron Radiation-Based Characterizations. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11543-11554.	2.1	12
82	3D V ₂ CT _x -rGO Architectures with Optimized Ion Transport Channels toward Fast Lithium-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61258-61266.	4.0	9
83	Integrating bimetallic AuPd nanocatalysts with a 2D aza-fused π -conjugated microporous polymer for light-driven benzyl alcohol oxidation. <i>Chinese Chemical Letters</i> , 2020, 31, 231-234.	4.8	19
84	Cation-intercalated engineering and X-ray absorption spectroscopic characterizations of two dimensional MXenes. <i>Chinese Chemical Letters</i> , 2020, 31, 969-979.	4.8	12
85	Unpaired 3d Electrons on Atomically Dispersed Cobalt Centres in Coordination Polymers Regulate both Oxygen Reduction Reaction (ORR) Activity and Selectivity for Use in Zinc-Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 286-294.	7.2	200
86	Unpaired 3d Electrons on Atomically Dispersed Cobalt Centres in Coordination Polymers Regulate both Oxygen Reduction Reaction (ORR) Activity and Selectivity for Use in Zinc-Air Batteries. <i>Angewandte Chemie</i> , 2020, 132, 292-300.	1.6	21
87	N-Doped ordered porous carbon decorated with WN and Ni nanoparticles for enhanced electrocatalytic properties. <i>Journal of Porous Materials</i> , 2020, 27, 719-726.	1.3	2
88	Hierarchical hollow-structured anode for high-rate sodium-ion battery. <i>Journal of Solid State Chemistry</i> , 2020, 283, 121159.	1.4	7
89	Electrocatalytic reduction of N ₂ and nitrogen-incorporation process on dopant-free defect graphene. <i>Journal of Materials Chemistry A</i> , 2020, 8, 55-61.	5.2	27
90	Industriousness Moderates the Link Between Default Mode Network Subsystem and Creativity. <i>Neuroscience</i> , 2020, 427, 92-104.	1.1	7

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91	Transition from Semimetal to Semiconductor in ZrTe ₂ Induced by Se Substitution. ACS Nano, 2020, 14, 835-841.	7.3	29
92	Electrochemical Conversion of CO ₂ to Syngas with Controllable CO/H ₂ Ratios over Co and Ni Single-Atom Catalysts. Angewandte Chemie, 2020, 132, 3057-3061.	1.6	22
93	Electrochemical Conversion of CO ₂ to Syngas with Controllable CO/H ₂ Ratios over Co and Ni Single-Atom Catalysts. Angewandte Chemie - International Edition, 2020, 59, 3033-3037.	7.2	203
94	Scalable synthesis of 2D hydrogen-substituted graphdiyne on Zn substrate for high-yield N ₂ fixation. Nano Energy, 2020, 78, 105283.	8.2	38
95	Atomic-Level Insights into the Edge Active ReS ₂ Ultrathin Nanosheets for High-Efficiency Light-to-Hydrogen Conversion. , 2020, 2, 1484-1494.		65
96	Amorphous/Crystalline Heterostructured Cobalt-Vanadium-Iron (Oxy)hydroxides for Highly Efficient Oxygen Evolution Reaction. Advanced Energy Materials, 2020, 10, 2002215.	10.2	198
97	High-power lithium-selenium batteries enabled by atomic cobalt electrocatalyst in hollow carbon cathode. Nature Communications, 2020, 11, 5025.	5.8	187
98	Rational design of hierarchical FeSe ₂ encapsulated with bifunctional carbon cuboids as an advanced anode for sodium-ion batteries. Nanoscale, 2020, 12, 22210-22216.	2.8	26
99	Strain-Engineering of Bi ₁₂ O ₁₇ Br ₂ Nanotubes for Boosting Photocatalytic CO ₂ Reduction. , 2020, 2, 1025-1032.		82
100	Stepwise Hollow Prussian Blue Nanoframes/Carbon Nanotubes Composite Film as Ultrahigh Rate Sodium Ion Cathode. Advanced Functional Materials, 2020, 30, 2002624.	7.8	49
101	Structural Regulation and Support Coupling Effect of Single-Atom Catalysts for Heterogeneous Catalysis. Advanced Energy Materials, 2020, 10, 2001482.	10.2	172
102	Hydrogen-Doping-Induced Metal-Like Ultrahigh Free-Carrier Concentration in Metal-Oxide Material for Giant and Tunable Plasmon Resonance. Advanced Materials, 2020, 32, e2004059.	11.1	57
103	Regulating surface state of WO ₃ nanosheets by gamma irradiation for suppressing hydrogen evolution reaction in electrochemical N ₂ fixation. Nano Research, 2020, 13, 2784-2790.	5.8	23
104	Boosting Electrocatalytic Ammonia Production through Mimicking "Back-Donation". Chem, 2020, 6, 2690-2702.	5.8	88
105	Electrocatalytic Synthesis of Hydrogen Peroxide over Au/TiO ₂ and Electrochemical Trace of OOH* Intermediate. Chemistry - an Asian Journal, 2020, 15, 4280-4285.	1.7	4
106	Design of CuInS ₂ hollow nanostructures toward CO ₂ electroreduction. Science China Chemistry, 2020, 63, 1721-1726.	4.2	21
107	CdPS ₃ nanosheets-based membrane with high proton conductivity enabled by Cd vacancies. Science, 2020, 370, 596-600.	6.0	120
108	Electrochemically Induced Metal-Organic-Framework-Derived Amorphous V ₂ O ₅ for Superior Rate Aqueous Zinc-Ion Batteries. Angewandte Chemie, 2020, 132, 22186-22190.	1.6	32

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109	Confined Fe@Cu Clusters as Sub-Nanometer Reactors for Efficiently Regulating the Electrochemical Nitrogen Reduction Reaction. <i>Advanced Materials</i> , 2020, 32, e2004382.	11.1	152
110	Multiphonon Raman Scattering and Strong Electron-Phonon Coupling in 2D Ternary Cu ₂ MoS ₄ Nanoflakes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8483-8489.	2.1	10
111	Electrochemically Induced Metal-Organic Framework-Derived Amorphous V ₂ O ₅ for Superior Rate Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22002-22006.	7.2	301
112	Computational Screening toward Hydrogen Evolution Reaction by the Introduction of Point Defects at the Edges of Group IVA Monochalcogenides: A First-Principles Study. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7664-7671.	2.1	24
113	Tuning the Electronic Structures of Multimetal Oxide Nanoplates to Realize Favorable Adsorption Energies of Oxygenated Intermediates. <i>ACS Nano</i> , 2020, 14, 17640-17651.	7.3	56
114	Surface selectivity of Ni ₃ S ₂ toward hydrogen evolution reaction: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25685-25694.	1.3	14
115	Ternary MoSe ₂ xTe ₂ alloy with tunable band gap for electronic and optoelectronic transistors. <i>Nanotechnology</i> , 2020, 31, 345704.	1.3	6
116	Hydrogen-Substituted Graphdiyne Ion Tunnels Directing Concentration Redistribution for Commercial-Grade Dendrite-Free Zinc Anodes. <i>Advanced Materials</i> , 2020, 32, e2001755.	11.1	261
117	Conversion of Intercalated MoO ₃ to Multi-Heteroatoms-Doped MoS ₂ with High Hydrogen Evolution Activity. <i>Advanced Materials</i> , 2020, 32, e2001167.	11.1	82
118	A Directional Synthesis for Topological Defect in Carbon. <i>Chem</i> , 2020, 6, 2009-2023.	5.8	120
119	A Hydrogenated Metal Oxide with Full Solar Spectrum Absorption for Highly Efficient Photothermal Water Evaporation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2502-2509.	2.1	44
120	Structural Designs and in-situ X-ray Characterizations of Metal Phosphides for Electrocatalysis. <i>ChemCatChem</i> , 2020, 12, 3621-3638.	1.8	13
121	Boosting Photocatalytic Activity in Cross-Coupling Reactions by Constructing Pd-Oxide Heterostructures. <i>ChemNanoMat</i> , 2020, 6, 920-924.	1.5	5
122	Edge-Rich Fe ₄ Active Sites in Defective Carbon for Oxygen Reduction Catalysis. <i>Advanced Materials</i> , 2020, 32, e2000966.	11.1	215
123	On the nature of Pt-carbon interactions for enhanced hydrogen generation. <i>Journal of Catalysis</i> , 2020, 389, 492-501.	3.1	17
124	Electronic Structures of Cr-Intercalated ZrTe ₂ Revealed by Angle-Resolved Photoemission Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16561-16567.	1.5	13
125	Accelerating CO ₂ Electroreduction to CO Over Pd Single-Atom Catalyst. <i>Advanced Functional Materials</i> , 2020, 30, 2000407.	7.8	173
126	Sulfur Atomically Doped Bismuth Nanobelt Driven by Electrochemical Self-Reconstruction for Boosted Electrocatalysis. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1746-1752.	2.1	23

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127	Achieving Efficient Alkaline Hydrogen Evolution Reaction over a Ni ₅ P ₄ Catalyst Incorporating Single-Atomic Ru Sites. <i>Advanced Materials</i> , 2020, 32, e1906972.	11.1	281
128	A non-rigid shift of band dispersions induced by Cu intercalation in 2H-TaSe ₂ . <i>Nano Research</i> , 2020, 13, 353-357.	5.8	8
129	Conversion of non-van der Waals solids to 2D transition-metal chalcogenides. <i>Nature</i> , 2020, 577, 492-496.	13.7	145
130	Tuning 2D MXenes by Surface Controlling and Interlayer Engineering: Methods, Properties, and Synchrotron Radiation Characterizations. <i>Advanced Functional Materials</i> , 2020, 30, 2000869.	7.8	98
131	Effects of the Openness to Experience Polygenic Score on Cortical Thickness and Functional Connectivity. <i>Frontiers in Neuroscience</i> , 2020, 14, 607912.	1.4	1
132	Dial the Mechanism Switch of VN from Conversion to Intercalation toward Long Cycling Sodium-Ion Battery. <i>Advanced Energy Materials</i> , 2020, 10, 1903712.	10.2	92
133	Oxygen vacancy mediated bismuth stannate ultra-small nanoparticle towards photocatalytic CO ₂ -to-CO conversion. <i>Applied Catalysis B: Environmental</i> , 2020, 276, 119156.	10.8	59
134	A Unique Ru-N ₄ -P Coordinated Structure Synergistically Waking Up the Nonmetal P Active Site for Hydrogen Production. <i>Research</i> , 2020, 2020, 5860712.	2.8	12
135	Single-atom molybdenum immobilized on photoactive carbon nitride as efficient photocatalysts for ambient nitrogen fixation in pure water. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19831-19837.	5.2	108
136	Single Nickel Atoms on Nitrogen-Doped Graphene Enabling Enhanced Kinetics of Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2019, 31, e1903955.	11.1	447
137	Spatially-controlled porous nanoflake arrays derived from MOFs: An efficiently long-life oxygen electrode. <i>Nano Research</i> , 2019, 12, 2528-2534.	5.8	16
138	In Situ Synthesis of Ultrathin Graphene-Like Nanosheets as a Highly Effective Oxygen Catalyst for Zinc-Air Batteries. <i>ChemElectroChem</i> , 2019, 6, 4010-4015.	1.7	5
139	<i>In situ</i> synthesis of ultrasmall MnO nanoparticles encapsulated by a nitrogen-doped carbon matrix for high-performance lithium-ion batteries. <i>Chemical Communications</i> , 2019, 55, 9184-9187.	2.2	17
140	Intercalation pseudocapacitance in a NASICON-structured Na ₂ CrTi(PO ₄) ₃ @carbon nanocomposite: towards high-rate and long-lifespan sodium-ion-based energy storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20604-20613.	5.2	18
141	Isolated single atom cobalt in Bi ₃ O ₄ Br atomic layers to trigger efficient CO ₂ photoreduction. <i>Nature Communications</i> , 2019, 10, 2840.	5.8	327
142	Heteroatom-Mediated Interactions between Ruthenium Single Atoms and an MXene Support for Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2019, 31, e1903841.	11.1	363
143	Ultrafine Co ₃ O ₄ Nanoparticles within Nitrogen-Doped Carbon Matrix Derived from Metal-Organic Complex for Boosting Lithium Storage and Oxygen Evolution Reaction. <i>Small</i> , 2019, 15, e1904260.	5.2	23
144	Encapsulating Carbon-Coated MoS ₂ Nanosheets within a Nitrogen-Doped Graphene Network for High-Performance Potassium-Ion Storage. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901066.	1.9	36

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273	Nanoscale TiO ₂ membrane coating spinel LiNi _{0.5} Mn _{1.5} O ₄ cathode material for advanced lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 705, 413-419.	2.8	79
274	Engineering interfacial charge-transfer by phase transition realizing enhanced photocatalytic hydrogen evolution activity. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 663-667.	3.0	25
275	Near-surface dilution of trace Pd atoms to facilitate Pd-H bond cleavage for giant enhancement of electrocatalytic hydrogen evolution. <i>Nano Energy</i> , 2017, 34, 306-312.	8.2	48
276	Amorphous Molybdenum Sulfide/Carbon Nanotubes Hybrid Nanospheres Prepared by Ultrasonic Spray Pyrolysis for Electrocatalytic Hydrogen Evolution. <i>Small</i> , 2017, 13, 1700111.	5.2	70
277	Synthesis of Ni ₉ S ₈ /MoS ₂ heterocatalyst for Enhanced Hydrogen Evolution Reaction. <i>Langmuir</i> , 2017, 33, 5148-5153.	1.6	39
278	Electron-Doped 1T-MoS ₂ via Interface Engineering for Enhanced Electrocatalytic Hydrogen Evolution. <i>Chemistry of Materials</i> , 2017, 29, 4738-4744.	3.2	270
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