

Lin Gu

List of Publications by Year in descending order

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1,041
papers

100,442
citations

138

163
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636

264
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1072
all docs

1072
docs citations

1072
times ranked

68875
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiresolution Discriminative Mixup Network for Fine-Grained Visual Categorization. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3488-3500.	7.2	6
2	Boosting Li-ion storage in Li ₂ MnO ₃ by unequal-valent Ti ⁴⁺ -substitution and interlayer Li vacancies building. Chinese Chemical Letters, 2023, 34, 107494.	4.8	5
3	Localized domains staging structure and evolution in lithiated graphite. , 2023, 5, .		21
4	Explainable Diabetic Retinopathy Detection and Retinal Image Generation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 44-55.	3.9	29
5	Ultra-low friction and edge-pinning effect in large-lattice-mismatch van der Waals heterostructures. Nature Materials, 2022, 21, 47-53.	13.3	110
6	Fine-tuning of Pd-Rh core-shell catalysts by interstitial hydrogen doping for enhanced methanol oxidation. Nano Research, 2022, 15, 1288-1294.	5.8	18
7	Engineering the synergistic effect of carbon dots-stabilized atomic and subnanometric ruthenium as highly efficient electrocatalysts for robust hydrogen evolution. SmartMat, 2022, 3, 249-259.	6.4	38
8	Pollen-like self-supported FeIr alloy for improved hydrogen evolution reaction in acid electrolyte. Journal of Energy Chemistry, 2022, 66, 560-565.	7.1	92
9	Solvent-free mechanochemical synthesis of Na-rich Prussian white cathodes for high-performance Na-ion batteries. Chemical Engineering Journal, 2022, 428, 131083.	6.6	33
10	Beyond Triplet Loss: Person Re-Identification With Fine-Grained Difference-Aware Pairwise Loss. IEEE Transactions on Multimedia, 2022, 24, 1665-1677.	5.2	129
11	Highly Efficient Photothermal Conversion and Water Transport during Solar Evaporation Enabled by Amorphous Hollow Multishelled Nanocomposites. Advanced Materials, 2022, 34, e2107400.	11.1	68
12	Electronic-structure evolution of SrFeO _{3-x} during topotactic phase transformation. Journal of Physics Condensed Matter, 2022, 34, 064001.	0.7	4
13	Cr-Doped Pd Metallene Endows a Practical Formaldehyde Sensor New Limit and High Selectivity. Advanced Materials, 2022, 34, e2105276.	11.1	40
14	The discovery of a superhard P-type transparent semiconductor: Al _{2.69} B ₅₀ . Materials Horizons, 2022, 9, 748-755.	6.4	3
15	Exchange Coupling in Synthetic Anion-Engineered Chromia Heterostructures. Advanced Functional Materials, 2022, 32, 2109828.	7.8	3
16	Wet-chemistry hydrogen doped TiO ₂ with switchable defects control for photocatalytic hydrogen evolution. Matter, 2022, 5, 206-218.	5.0	66
17	Boosting photocatalytic hydrogen production by creating isotype heterojunctions and single-atom active sites in highly-crystallized carbon nitride. Science Bulletin, 2022, 67, 520-528.	4.3	29
18	Atomic-scale observation of non-classical nucleation-mediated phase transformation in a titanium alloy. Nature Materials, 2022, 21, 290-296.	13.3	38

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19	Boosting photocatalytic hydrogen evolution: Orbital redistribution of ultrathin ZnIn ₂ S ₄ nanosheets via atomic defects. <i>Applied Catalysis B: Environmental</i> , 2022, 305, 121007.	10.8	61
20	Ge Incorporation to Stabilize Efficient Inorganic CsPbI ₃ Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	55
21	Stabilizing Layered Structure in Aqueous Electrolyte via Dynamic Water Intercalation/Deintercalation. <i>Advanced Materials</i> , 2022, 34, e2108541.	11.1	22
22	Surface Molecular Functionalization of Unusual Phase Metal Nanomaterials for Highly Efficient Electrochemical Carbon Dioxide Reduction under Industry-Relevant Current Density. <i>Small</i> , 2022, 18, e2106766.	5.2	30
23	Intercalation-Activated Layered MoO ₃ Nanobelts as Biodegradable Nanozymes for Tumor-Specific Photo-Enhanced Catalytic Therapy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	109
24	Intercalation-Activated Layered MoO ₃ Nanobelts as Biodegradable Nanozymes for Tumor-Specific Photo-Enhanced Catalytic Therapy. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	16
25	Magnetic Phase Transitions and Magnetoelastic Coupling in a Two-Dimensional Stripy Antiferromagnet. <i>Nano Letters</i> , 2022, 22, 1233-1241.	4.5	21
26	Room-Temperature Ferromagnetism at an Oxide-Nitride Interface. <i>Physical Review Letters</i> , 2022, 128, 017202.	2.9	11
27	Crystalline-Amorphous Interfaces Coupling of CoSe ₂ /CoP with Optimized d-Band Center and Boosted Electrocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2022, 34, e2110631.	11.1	283
28	Coordination-Assisted Precise Construction of Metal Oxide Nanofilms for High-Performance Solid-State Batteries. <i>Journal of the American Chemical Society</i> , 2022, 144, 2179-2188.	6.6	38
29	Homogeneously Mixing Different Metal-Organic Framework Structures in Single Nanocrystals through Forming Solid Solutions. <i>ACS Central Science</i> , 2022, 8, 184-191.	5.3	14
30	Regulating the Local Spin State and Band Structure in Ni ₃ S ₂ Nanosheet for Improved Oxygen Evolution Activity. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	99
31	Multishelled CuO/Cu ₂ O induced fast photo-vapour generation for drinking water. <i>Nano Research</i> , 2022, 15, 4117-4123.	5.8	13
32	Ensemble Machine-Learning-Based Analysis for In Situ Electron Diffraction. <i>Advanced Theory and Simulations</i> , 2022, 5, .	1.3	7
33	Topologically protected oxygen redox in a layered manganese oxide cathode for sustainable batteries. <i>Nature Sustainability</i> , 2022, 5, 214-224.	11.5	44
34	Highly Efficient Photothermal Conversion and Water Transport during Solar Evaporation Enabled by Amorphous Hollow Multishelled Nanocomposites (Adv. Mater. 7/2022). <i>Advanced Materials</i> , 2022, 34, .	11.1	1
35	A van der Waals Ferroelectric Tunnel Junction for Ultrahigh-Temperature Operation Memory. <i>Small Methods</i> , 2022, 6, e2101583.	4.6	22
36	Unblocking Oxygen Charge Compensation for Stabilized High-Voltage Structure in P ₂ -Type Sodium-Ion Cathode. <i>Advanced Science</i> , 2022, 9, e2200498.	5.6	32

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37	Al ³⁺ Dopants Induced Mg ²⁺ Vacancies Stabilizing Single-Atom Cu Catalyst for Efficient Free-Radical Hydrophosphinylation of Alkenes. <i>Journal of the American Chemical Society</i> , 2022, 144, 4321-4326.	6.6	32
38	Anion Doping for Layered Oxides with a Solid-Solution Reaction for Potassium-Ion Battery Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13379-13387.	4.0	11
39	Dual-gated single-molecule field-effect transistors beyond Moore's law. <i>Nature Communications</i> , 2022, 13, 1410.	5.8	38
40	Spin-Glass State above Room Temperature in a Layered Nickelate La _n Ni _{n+1} O ₃ Advanced Electronic Materials, 2022, 8, .	2.6	0
41	Single-Atom Fe Catalysts for Fenton-Like Reactions: Roles of Different N Species. <i>Advanced Materials</i> , 2022, 34, e2110653.	11.1	158
42	Self-Regulated Chemical Substitution in a Highly Strained Perovskite Oxide. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	3
43	Chemical order-disorder nanodomains in Fe ₃ Pt bulk alloy. <i>National Science Review</i> , 2022, 9, .	4.6	3
44	Fine-tune chiroptical activity in discrete chiral Au nanorods. <i>Nano Research</i> , 2022, 15, 6574-6581.	5.8	30
45	Caging-Pnictogen-Induced Superconductivity in Skutterudites IrX ₃ (X = As, P). <i>Journal of the American Chemical Society</i> , 2022, 144, 6208-6214.	6.6	13
46	Selectivity regulation of CO ₂ electroreduction on asymmetric AuAgCu tandem heterostructures. <i>Nano Research</i> , 2022, 15, 7861-7867.	5.8	30
47	Two-Dimensional Electron Gas with High Mobility Forming at BaO/SrTiO ₃ Interface. <i>Chinese Physics Letters</i> , 2022, 39, 047301.	1.3	8
48	Electrochemically Exfoliated Chlorine-Doped Graphene for Flexible All-Solid-State Micro-Supercapacitors with High Volumetric Energy Density. <i>Advanced Materials</i> , 2022, 34, e2106309.	11.1	33
49	Accurately Localizing Multiple Nanoparticles in a Multishelled Matrix Through Shell-Core Evolution for Maximizing Energy Storage Capability. <i>Advanced Materials</i> , 2022, 34, e2200206.	11.1	32
50	Large-scale Hf _{0.5} Zr _{0.5} O ₂ Membranes with Robust Ferroelectricity. <i>Advanced Materials</i> , 2022, 34, e2109889.	11.1	25
51	Bimodal polymorphic nanodomains in ferroelectric films for giant energy storage. <i>Energy Storage Materials</i> , 2022, 48, 306-313.	9.5	12
52	Interfacial engineering regulated by CeO to boost efficiently alkaline overall water splitting and acidic hydrogen evolution reaction. <i>Journal of Materials Science and Technology</i> , 2022, 120, 129-138.	5.6	15
53	Selective area epitaxy of PbTe-Pb hybrid nanowires on a lattice-matched substrate. <i>Physical Review Materials</i> , 2022, 6, .	0.9	16
54	Layer-by-layer epitaxy of multi-layer MoS ₂ wafers. <i>National Science Review</i> , 2022, 9, .	4.6	41

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73	Kinetic Origin of Planar Gliding in Single-Crystalline Ni-Rich Cathodes . Journal of the American Chemical Society, 2022, 144, 11338-11347.	6.6	63
74	Defect engineering of layered double hydroxide nanosheets as inorganic photosensitizers for NIR-III photodynamic cancer therapy. Nature Communications, 2022, 13, .	5.8	95
75	Linker Scissoring Strategy Enables Precise Shaping of Metal-Organic Frameworks for Chromatographic Separation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	15
76	High-entropy enhanced capacitive energy storage. Nature Materials, 2022, 21, 1074-1080.	13.3	161
77	Epitaxial stabilization of an orthorhombic Mg-Ti-O superconductor. Physical Review B, 2022, 105, .	1.1	2
78	Spreading monoclinic boundary network between hexagonal primary grains for high performance Ni-rich cathode materials. Nano Energy, 2022, 100, 107502.	8.2	7
79	Unraveling the Evolution of Transition Metals during Li Alloying-Dealloying by In-Operando Magnetometry. Chemistry of Materials, 2022, 34, 5852-5859.	3.2	19
80	Industrial-Level CO ₂ Electroreduction Using Solid-Electrolyte Devices Enabled by High-Loading Nickel Atomic Site Catalysts. Advanced Energy Materials, 2022, 12, .	10.2	32
81	Anti-dissolution Pt single site with Pt(OH)(O ₃)/Co(P) coordination for efficient alkaline water splitting electrolyzer. Nature Communications, 2022, 13, .	5.8	73
82	Atomically Dispersed MoO _x on Rhodium Metallene Boosts Electrocatalyzed Alkaline Hydrogen Evolution. Angewandte Chemie - International Edition, 2022, 61, .	7.2	57
83	Understanding adversarial attacks on deep learning based medical image analysis systems. Pattern Recognition, 2021, 110, 107332.	5.1	214
84	Spiny Pd/PtFe core/shell nanotubes with rich high-index facets for efficient electrocatalysis. Science Bulletin, 2021, 66, 44-51.	4.3	54
85	In Operando Visualization of Cation Disorder Unravels Voltage Decay in Ni-Rich Cathodes. Small Methods, 2021, 5, e2000730.	4.6	18
86	Structures and Functional Properties of Amorphous Alloys. Small Structures, 2021, 2, 2000057.	6.9	28
87	Enhancing CO ₂ Electrocatalysis on 2D Porphyrin-Based Metal-Organic Framework Nanosheets Coupled with Visible-Light. Small Methods, 2021, 5, e2000991.	4.6	50
88	Strain-Mediated High Conductivity in Ultrathin Antiferromagnetic Metallic Nitrides. Advanced Materials, 2021, 33, 2005920.	11.1	25
89	Quasi-Epitaxial Growth of Magnetic Nanostructures on 4H-Au Nanoribbons. Advanced Materials, 2021, 33, e2007140.	11.1	18
90	Coordination Number Regulation of Molybdenum Single-Atom Nanozyme Peroxidase-like Specificity. Chem, 2021, 7, 436-449.	5.8	216

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91	Porous γ -Fe ₂ O ₃ nanoparticle decorated with atomically dispersed platinum: Study on atomic site structural change and gas sensor activity evolution. Nano Research, 2021, 14, 1435-1442.	5.8	46
92	Sub-nanometric Manganous Oxide Clusters in Nitrogen Doped Mesoporous Carbon Nanosheets for High-Performance Lithium-Sulfur Batteries. Nano Letters, 2021, 21, 700-708.	4.5	60
93	LiMnO ₂ cathode stabilized by interfacial orbital ordering for sustainable lithium-ion batteries. Nature Sustainability, 2021, 4, 392-401.	11.5	156
94	Nanoporous Surface High-Entropy Alloys as Highly Efficient Multisite Electrocatalysts for Nonacidic Hydrogen Evolution Reaction. Advanced Functional Materials, 2021, 31, 2009613.	7.8	145
95	Tunnel Intergrowth Li _x MnO ₂ Nanosheet Arrays as 3D Cathode for High-Performance All-Solid-State Thin Film Lithium Microbatteries. Advanced Materials, 2021, 33, e2003524.	11.1	53
96	Elevating the d-Band Center of Six-Coordinated Octahedrons in Co ₉ S ₈ through Fe-Incorporated Topochemical Deintercalation. Advanced Energy Materials, 2021, 11, 2003023.	10.2	121
97	Retarded layered-to-spinel phase transition in structure reinforced birnessite with high Li content. Science Bulletin, 2021, 66, 219-224.	4.3	9
98	Structurally Disordered Phosphorus-Doped Pt as a Highly Active Electrocatalyst for an Oxygen Reduction Reaction. ACS Catalysis, 2021, 11, 355-363.	5.5	79
99	Extrinsic Photoconduction Induced Short-Wavelength Infrared Photodetectors Based on Ge-Based Chalcogenides. Small, 2021, 17, e2006765.	5.2	25
100	Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites. Advanced Materials, 2021, 33, e2001324.	11.1	21
101	Extra storage capacity in transition metal oxide lithium-ion batteries revealed by in situ magnetometry. Nature Materials, 2021, 20, 76-83.	13.3	432
102	RhSe ₂ : A Superior 3D Electrocatalyst with Multiple Active Facets for Hydrogen Evolution Reaction in Both Acid and Alkaline Solutions. Advanced Materials, 2021, 33, e2007894.	11.1	205
103	Surface-Bound Domain Penetration and Large Wall Current. Advanced Electronic Materials, 2021, 7, 2000720.	2.6	8
104	One-step synthesis of single-site vanadium substitution in 1T-WS ₂ monolayers for enhanced hydrogen evolution catalysis. Nature Communications, 2021, 12, 709.	5.8	137
105	Ferromagnetic Materials: Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites (Adv. Mater. 4/2021). Advanced Materials, 2021, 33, 2170026.	11.1	0
106	Single-atom nickel terminating sp ² and sp ³ nitride in polymeric carbon nitride for visible-light photocatalytic overall water splitting. Chemical Science, 2021, 12, 3633-3643.	3.7	68
107	Pillar-beam structures prevent layered cathode materials from destructive phase transitions. Nature Communications, 2021, 12, 13.	5.8	85
108	Relation-Aware Reasoning with Graph Convolutional Network. Lecture Notes in Computer Science, 2021, , 52-64.	1.0	0

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109	Innentitelbild: Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting (Angew. Chem. 13/2021). Angewandte Chemie, 2021, 133, 6906-6906.	1.6	0
110	Long-Term Cycle Stability Enabled by the Incorporation of Ni into $\text{Li}_{2-x}\text{MnO}_3$ Phase in the Mn-Based Li-Rich Layered Materials. ACS Energy Letters, 2021, 6, 789-798.	8.8	27
111	Controlling the Stacking Modes of Metal-Organic Framework Nanosheets through Host-Guest Noncovalent Interactions. Angewandte Chemie - International Edition, 2021, 60, 6920-6925.	7.2	40
112	Proximate Quantum Spin Liquid on Designer Lattice. Nano Letters, 2021, 21, 2010-2017.	4.5	4
113	Controlling the Stacking Modes of Metal-Organic Framework Nanosheets through Host-Guest Noncovalent Interactions. Angewandte Chemie, 2021, 133, 6996-7001.	1.6	8
114	Structural twinning-induced insulating phase in CrN (111) films. Physical Review Materials, 2021, 5, .	0.9	12
115	Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting. Angewandte Chemie, 2021, 133, 7002-7007.	1.6	8
116	Construction of Dual-Active-Site Copper Catalyst Containing both Cu_2N_3 and Cu_2N_4 Sites. Small, 2021, 17, e2006834.	5.2	52
117	Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting. Angewandte Chemie - International Edition, 2021, 60, 6926-6931.	7.2	65
118	Robust Surface Reconstruction Induced by Subsurface Ni/Li Antisites in Ni-Rich Cathodes. Advanced Functional Materials, 2021, 31, 2010291.	7.8	36
119	Direct observation of atomic-level fractal structure in a metallic glass membrane. Science Bulletin, 2021, 66, 1312-1318.	4.3	11
120	Activating Layered Metal Oxide Nanomaterials via Structural Engineering as Biodegradable Nanoagents for Photothermal Cancer Therapy. Small, 2021, 17, e2007486.	5.2	94
121	Frontispiz: Controlling the Stacking Modes of Metal-Organic Framework Nanosheets through Host-Guest Noncovalent Interactions. Angewandte Chemie, 2021, 133, .	1.6	0
122	Effect of high-temperature up-quenching on stabilizing off-eutectic metallic glasses. Physical Review B, 2021, 103, .	1.1	6
123	Selective Epitaxial Growth of Rh Nanorods on 2H-fcc Heterophase Au Nanosheets to Form 1D/2D Rh-Au Heterostructures for Highly Efficient Hydrogen Evolution. Journal of the American Chemical Society, 2021, 143, 4387-4396.	6.6	56
124	Realization of AlSb in the Double-Layer Honeycomb Structure: A Robust Class of Two-Dimensional Material. ACS Nano, 2021, 15, 8184-8191.	7.3	20
125	Li-Rich $\text{Li}_2[\text{Ni}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}]\text{O}_2$ for Anode-Free Lithium Metal Batteries. Angewandte Chemie, 2021, 133, 8370-8377.	1.6	2
126	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. Science Advances, 2021, 7, .	4.7	64

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127	Near-room temperature ferromagnetic insulating state in highly distorted LaCoO _{2.5} with CoO ₅ square pyramids. Nature Communications, 2021, 12, 1853.	5.8	25
128	Exclusive Strain Effect Boosts Overall Water Splitting in PdCu/Ir Core/Shell Nanocrystals. Angewandte Chemie - International Edition, 2021, 60, 8243-8250.	7.2	163
129	Oxygen-redox reactions in LiCoO ₂ cathode without O-O bonding during charge-discharge. Joule, 2021, 5, 720-736.	11.7	56
130	Nanoburl Graphites. Advanced Materials, 2021, 33, e2007513.	11.1	19
131	Li-Rich Li ₂ [Ni _{0.8} Co _{0.1} Mn _{0.1}]O ₂ for Anode-Free Lithium Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 8289-8296.	7.2	71
132	Dimensional Control of Octahedral Tilt in SrRuO ₃ via Infinite-Layered Oxides. Nano Letters, 2021, 21, 3146-3154.	4.5	14
133	Frontispiece: Controlling the Stacking Modes of Metal-Organic Framework Nanosheets through Host-Guest Noncovalent Interactions. Angewandte Chemie - International Edition, 2021, 60, .	7.2	1
134	Near-ideal van der Waals rectifiers based on all-two-dimensional Schottky junctions. Nature Communications, 2021, 12, 1522.	5.8	103
135	Exclusive Strain Effect Boosts Overall Water Splitting in PdCu/Ir Core/Shell Nanocrystals. Angewandte Chemie, 2021, 133, 8324-8331.	1.6	18
136	High-Loading Single-Atomic-Site Silver Catalysts with an Ag ₁ C ₂ N ₁ Structure Showing Superior Performance for Epoxidation of Styrene. ACS Catalysis, 2021, 11, 4946-4954.	5.5	62
137	Reversed Active Sites Boost the Intrinsic Activity of Graphene-like Cobalt Selenide for Hydrogen Evolution. Angewandte Chemie, 2021, 133, 12468-12473.	1.6	17
138	Stable Bimetallic Hydride Boosts Anodic CO Tolerance of Fuel Cells. ACS Energy Letters, 2021, 6, 1912-1919.	8.8	48
139	Chemical-Pressure-Modulated BaTiO ₃ Thin Films with Large Spontaneous Polarization and High Curie Temperature. Journal of the American Chemical Society, 2021, 143, 6491-6497.	6.6	37
140	Iron carbide allured lithium metal storage in carbon nanotube cavities. Energy Storage Materials, 2021, 36, 459-465.	9.5	39
141	Metal-Organic Framework Membranes Encapsulating Gold Nanoparticles for Direct Plasmonic Photocatalytic Nitrogen Fixation. Journal of the American Chemical Society, 2021, 143, 5727-5736.	6.6	157
142	Partially reduced Pd single atoms on CdS nanorods enable photocatalytic reforming of ethanol into high value-added multicarbon compound. Chem, 2021, 7, 1033-1049.	5.8	55
143	Reversed Active Sites Boost the Intrinsic Activity of Graphene-like Cobalt Selenide for Hydrogen Evolution. Angewandte Chemie - International Edition, 2021, 60, 12360-12365.	7.2	142
144	Metal-organic framework membranes with single-atomic centers for photocatalytic CO ₂ and O ₂ reduction. Nature Communications, 2021, 12, 2682.	5.8	154

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145	Cation-synergy stabilizing anion redox of Chevrel phase Mo ₆ S ₈ in aluminum ion battery. Energy Storage Materials, 2021, 37, 87-93.	9.5	31
146	Dual-atom Pt heterogeneous catalyst with excellent catalytic performances for the selective hydrogenation and epoxidation. Nature Communications, 2021, 12, 3181.	5.8	156
147	A Unique Gas-Migration, Trapping, and Emitting Strategy for High-Loading Single Atomic Cd Sites for Carbon Dioxide Electroreduction. Nano Letters, 2021, 21, 4262-4269.	4.5	48
148	A Supported Pd ₂ Dual-Atom Site Catalyst for Efficient Electrochemical CO ₂ Reduction. Angewandte Chemie, 2021, 133, 13500-13505.	1.6	29
149	High-Index Faceted PdPtCu Ultrathin Nanorings Enable Highly Active and Stable Oxygen Reduction Electrocatalysis. Small Methods, 2021, 5, e2100154.	4.6	34
150	A medium-range structure motif linking amorphous and crystalline states. Nature Materials, 2021, 20, 1347-1352.	13.3	92
151	Emergent Magnetic Phenomenon with Unconventional Structure in Epitaxial Manganate Thin Films. Advanced Science, 2021, 8, 2100177.	5.6	7
152	Addressing voltage decay in Li-rich cathodes by broadening the gap between metallic and anionic bands. Nature Communications, 2021, 12, 3071.	5.8	81
153	Layered oxides with solid-solution reaction for high voltage potassium-ion batteries cathode. Chemical Engineering Journal, 2021, 412, 128735.	6.6	30
154	Co-deposition growth and superconductivity of La _{2-x} Sr _x CuO ₄ films by reactive molecular beam epitaxy. Physical Review B, 2021, 103, .	1.1	1
155	A Supported Pd ₂ Dual-Atom Site Catalyst for Efficient Electrochemical CO ₂ Reduction. Angewandte Chemie - International Edition, 2021, 60, 13388-13393.	7.2	201
156	Matching the kinetics of natural enzymes with a single-atom iron nanozyme. Nature Catalysis, 2021, 4, 407-417.	16.1	517
157	Decreasing the complex permittivity to enhance microwave absorption properties of flaky FeSiAl/MnZn ferrites composites. Journal of Materials Science: Materials in Electronics, 2021, 32, 18371-18380.	1.1	10
158	One-step epitaxy of high-mobility La-doped BaSnO ₃ films by high-pressure magnetron sputtering. APL Materials, 2021, 9, .	2.2	16
159	Planar-Coordination PdSe ₂ Nanosheets as Highly Active Electrocatalyst for Hydrogen Evolution Reaction. Advanced Functional Materials, 2021, 31, 2102321.	7.8	98
160	A structural perspective on giant permittivity CaCu ₃ Ti ₄ O ₁₂ : One way to quantum dielectric physics in solids. Open Ceramics, 2021, 6, 100126.	1.0	10
161	Amorphous Redox-Rich Polysulfides for Mg Cathodes. JACS Au, 2021, 1, 1266-1274.	3.6	14
162	Direct Observation of Metal Oxide Nanoparticles Being Transformed into Metal Single Atoms with Oxygen-Coordinated Structure and High Loadings. Angewandte Chemie - International Edition, 2021, 60, 15248-15253.	7.2	38

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163	Direct Observation of Metal Oxide Nanoparticles Being Transformed into Metal Single Atoms with Oxygen-Coordinated Structure and High Loadings. <i>Angewandte Chemie</i> , 2021, 133, 15376-15381.	1.6	24
164	Intrinsic toughening and stable crack propagation in hexagonal boron nitride. <i>Nature</i> , 2021, 594, 57-61.	13.7	105
165	Enhanced electric-field-induced strains in (K,Na)NbO ₃ piezoelectrics from heterogeneous structures. <i>Materials Today</i> , 2021, 46, 44-53.	8.3	36
166	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
167	Fabricating polyoxometalates-stabilized single-atom site catalysts in confined space with enhanced activity for alkynes diboration. <i>Nature Communications</i> , 2021, 12, 4205.	5.8	69
168	Enhancement of Spin-Orbit Torque by Strain Engineering in SrRuO ₃ Films. <i>Advanced Functional Materials</i> , 2021, 31, 2100380.	7.8	26
169	Presence of s -Wave Pairing in Josephson Junctions Made of Twisted Ultrathin Bi_2 Te_3 Nanoribbons. <i>Physical Review Letters</i> , 2021, 126, 087201.	2.8	34
170	InnenrÄ¼cktitelbild: Boosting Photocatalytic Water Oxidation Over Bifunctional Rh ⁰ /Rh ³⁺ Sites (<i>Angew. Chem.</i> 42/2021). <i>Angewandte Chemie</i> , 2021, 133, 23211-23211.	1.6	0
171	Electron density distribution of LiMn ₂ O ₄ cathode investigated by synchrotron powder x-ray diffraction*. <i>Chinese Physics B</i> , 2021, 30, 078202.	0.7	5
172	One Nanometer PtIr Nanowires as High-Efficiency Bifunctional Catalysts for Electrosynthesis of Ethanol into High Value-Added Multicarbon Compound Coupled with Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2021, 143, 10822-10827.	6.6	95
173	Object Detection of Surgical Instruments Based on YOLOv4. , 2021, , .		9
174	Boosting Photocatalytic Water Oxidation Over Bifunctional Rh ⁰ /Rh ³⁺ Sites. <i>Angewandte Chemie</i> , 2021, 133, 22943.	1.6	2
175	Hexagonal Nickel as a Highly Durable and Active Catalyst for Hydrogen Evolution. <i>ACS Catalysis</i> , 2021, 11, 8798-8806.	5.5	12
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