Lin Gu

List of Publications by Year
in descending order

1,041	100,442	115	551
papers	citations	163 h-index	264 g-index

1072	1072	1072	60330
all docs	docs citations	times ranked	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.	11.3	6
2	Boosting Li-ion storage in Li2MnO3 by unequal-valent Ti4+-substitution and interlayer Li vacancies building. Chinese Chemical Letters, 2023, 34, 107494.	9.0	5
3	Localizedâ€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.	6.3	29
5	Ultra-low friction and edge-pinning effect in large-lattice-mismatch van der Waals heterostructures. Nature Materials, 2022, 21, 47-53.	27.5	110
6	Fine-tuning of Pd-Rh core-shell catalysts by interstitial hydrogen doping for enhanced methanol oxidation. Nano Research, 2022, 15, 1288-1294.	10.4	18
7	Engineering the synergistic effect of carbon dotsâ€stabilized atomic and subnanometric ruthenium as highly efficient electrocatalysts for robust hydrogen evolution. SmartMat, 2022, 3, 249-259.	10.7	38
8	Pollen-like self-supported FeIr alloy for improved hydrogen evolution reaction in acid electrolyte. Journal of Energy Chemistry, 2022, 66, 560-565.	12.9	92
9	Solvent-free mechanochemical synthesis of Na-rich Prussian white cathodes for high-performance Na-ion batteries. Chemical Engineering Journal, 2022, 428, 131083.	12.7	33
10	Beyond Triplet Loss: Person Re-Identification With Fine-Grained Difference-Aware Pairwise Loss. IEEE Transactions on Multimedia, 2022, 24, 1665-1677.	7.2	129
11	Highly Efficient Photothermal Conversion and Water Transport during Solar Evaporation Enabled by Amorphous Hollow Multishelled Nanocomposites. Advanced Materials, 2022, 34, e2107400.	21.0	68
12	Electronic-structure evolution of SrFeO_{3â€“x} during topotactic phase transformation. Journal of Physics Condensed Matter, 2022, 34, 064001.	1.8	4
13	Crâ€Doped Pd Metallene Endows a Practical Formaldehyde Sensor New Limit and High Selectivity. Advanced Materials, 2022, 34, e2105276.	21.0	40
14	The discovery of a superhard P-type transparent semiconductor: Al_{2.69}B₅₀. Materials Horizons, 2022, 9, 748-755.	12.2	3
15	Exchange Coupling in Synthetic Anionâ€Engineered Chromia Heterostructures. Advanced Functional Materials, 2022, 32, 2109828.	14.9	3
16	Wet-chemistry hydrogen doped TiO2 with switchable defects control for photocatalytic hydrogen evolution. Matter, 2022, 5, 206-218.	10.0	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.	9.0	29
18	Atomic-scale observation of non-classical nucleation-mediated phase transformation in a titanium alloy. Nature Materials, 2022, 21, 290-296.	27.5	38

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19	Boosting photocatalytic hydrogen evolution: Orbital redistribution of ultrathin ZnIn2S4 nanosheets via atomic defects. Applied Catalysis B: Environmental, 2022, 305, 121007.	20.2	61
20	Ge Incorporation to Stabilize Efficient Inorganic CsPbI₃ Perovskite Solar Cells. Advanced Energy Materials, 2022, 12, .	19.5	55
21	Stabilizing Layered Structure in Aqueous Electrolyte via Dynamic Water Intercalation/Deintercalation. Advanced Materials, 2022, 34, e2108541.	21.0	22
22	Surface Molecular Functionalization of Unusual Phase Metal Nanomaterials for Highly Efficient Electrochemical Carbon Dioxide Reduction under Industryâ€Relevant Current Density. Small, 2022, 18, e2106766.	10.0	30
23	Intercalationâ€Activated Layered MoO₃ Nanobelts as Biodegradable Nanozymes for Tumorâ€Specific Photoâ€Enhanced Catalytic Therapy. Angewandte Chemie - International Edition, 2022, 61, .	13.8	109
24	Intercalationâ€Activated Layered MoO₃ Nanobelts as Biodegradable Nanozymes for Tumorâ€Specific Photoâ€Enhanced Catalytic Therapy. Angewandte Chemie, 2022, 134, .	2.0	16
25	Magnetic Phase Transitions and Magnetoelastic Coupling in a Two-Dimensional Stripy Antiferromagnet. Nano Letters, 2022, 22, 1233-1241.	9.1	21
26	Room-Temperature Ferromagnetism at an Oxide-Nitride Interface. Physical Review Letters, 2022, 128, 017202.	7.8	11
27	Crystallineâ€Amorphous Interfaces Coupling of CoSe₂/CoP with Optimized dâ€Band Center and Boosted Electrocatalytic Hydrogen Evolution. Advanced Materials, 2022, 34, e2110631.	21.0	283
28	Coordination-Assisted Precise Construction of Metal Oxide Nanofilms for High-Performance Solid-State Batteries. Journal of the American Chemical Society, 2022, 144, 2179-2188.	13.7	38
29	Homogeneously Mixing Different Metalâ€“Organic Framework Structures in Single Nanocrystals through Forming Solid Solutions. ACS Central Science, 2022, 8, 184-191.	11.3	14
30	Regulating the Local Spin State and Band Structure in Ni₃S₂ Nanosheet for Improved Oxygen Evolution Activity. Advanced Functional Materials, 2022, 32, .	14.9	99
31	Multishelled CuO/Cu2O induced fast photo-vapour generation for drinking water. Nano Research, 2022, 15, 4117-4123.	10.4	13
32	Ensemble Machineâ€Learningâ€Based Analysis for In Situ Electron Diffraction. Advanced Theory and Simulations, 2022, 5, .	2.8	7
33	Topologically protected oxygen redox in a layered manganese oxide cathode for sustainable batteries. Nature Sustainability, 2022, 5, 214-224.	23.7	44
34	Highly Efficient Photothermal Conversion and Water Transport during Solar Evaporation Enabled by Amorphous Hollow Multishelled Nanocomposites (Adv. Mater. 7/2022). Advanced Materials, 2022, 34, .	21.0	1
35	A van der Waals Ferroelectric Tunnel Junction for Ultrahighâ€Temperature Operation Memory. Small Methods, 2022, 6, e2101583.	8.6	22
36	Unblocking Oxygen Charge Compensation for Stabilized Highâ€Voltage Structure in P2â€Type Sodiumâ€Ion Cathode. Advanced Science, 2022, 9, e2200498.	11.2	32

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37	Al³⁺ Dopants Induced Mg²⁺ Vacancies Stabilizing Single-Atom Cu Catalyst for Efficient Free-Radical Hydrophosphinylation of Alkenes. Journal of the American Chemical Society, 2022, 144, 4321-4326.	13.7	32
38	Anion Doping for Layered Oxides with a Solid-Solution Reaction for Potassium-Ion Battery Cathodes. ACS Applied Materials & Interfaces, 2022, 14, 13379-13387.	8.0	11
39	Dual-gated single-molecule field-effect transistors beyond Mooreâ€™s law. Nature Communications, 2022, 13, 1410.	12.8	38
40	Spinâ€Glass State above Room Temperature in a Layered Nickelate La_nNi_nO₃_n₊₁. Advanced Electronic Materials, 2022, 8, .	6.1	0
41	Singleâ€Atom Fe Catalysts for Fentonâ€Like Reactions: Roles of Different N Species. Advanced Materials, 2022, 34, e2110653.	21.0	158
42	Selfâ€Regulated Chemical Substitution in a Highly Strained Perovskite Oxide. Advanced Functional Materials, 2022, 32, .	14.9	3
43	Chemical order-disorder nanodomains in Fe3Pt bulk alloy. National Science Review, 2022, 9, .	9.5	3
44	Fine-tune chiroptical activity in discrete chiral Au nanorods. Nano Research, 2022, 15, 6574-6581.	10.4	30
45	Caging-Pnictogen-Induced Superconductivity in Skutterudites IrX₃ (X = As, P). Journal of the American Chemical Society, 2022, 144, 6208-6214.	13.7	13
46	Selectivity regulation of CO2 electroreduction on asymmetric AuAgCu tandem heterostructures. Nano Research, 2022, 15, 7861-7867.	10.4	30
47	Two-Dimensional Electron Gas with High Mobility Forming at BaO/SrTiO₃ Interface. Chinese Physics Letters, 2022, 39, 047301.	3.3	8
48	Electrochemically Exfoliated Chlorineâ€Doped Graphene for Flexible Allâ€Solidâ€State Microâ€Supercapacitors with High Volumetric Energy Density. Advanced Materials, 2022, 34, e2106309.	21.0	33
49	Accurately Localizing Multiple Nanoparticles in a Multishelled Matrix Through Shellâ€toâ€Core Evolution for Maximizing Energyâ€Storage Capability. Advanced Materials, 2022, 34, e2200206.	21.0	32
50	Largeâ€Scale Hf_{0.5}Zr_{0.5}O₂ Membranes with Robust Ferroelectricity. Advanced Materials, 2022, 34, e2109889.	21.0	25
51	Bimodal polymorphic nanodomains in ferroelectric films for giant energy storage. Energy Storage Materials, 2022, 48, 306-313.	18.0	12
52	Interfacial engineering regulated by CeO to boost efficiently alkaline overall water splitting and acidic hydrogen evolution reaction. Journal of Materials Science and Technology, 2022, 120, 129-138.	10.7	15
53	Selective area epitaxy of PbTe-Pb hybrid nanowires on a lattice-matched substrate. Physical Review Materials, 2022, 6, .	2.4	16
54	Layer-by-layer epitaxy of multi-layer MoS2 wafers. National Science Review, 2022, 9, .	9.5	41

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55	Saltâ€Assisted 2Hâ€toâ€1Tâ€² Phase Transformation of Transition Metal Dichalcogenides. Advanced Materials, 2022, 34, e2201194.	21.0	19
56	Janusâ€like B_xC/C Quantum Sheets with Zâ€Scheme Mechanism Strengthen Tumor Photothermalâ€Immunotherapy in NIRâ€II Biowindow. Small Methods, 2022, 6, e2101551.	8.6	6
57	Two-dimensional superconductivity in a bulk superlattice van der Waals material <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>26</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review Materials, 2022, 6, .	2.4	4
58	Degrees of freedom for energy storage material. , 2022, 4, 633-644.		9
59	Local Coordination Regulation through Tuning Atomicâ€Scale Cavities of Pd Metallene toward Efficient Oxygen Reduction Electrocatalysis. Advanced Materials, 2022, 34, e2202084.	21.0	57
60	Pressure-induced superconductivity in the noncentrosymmetric Weyl semimetals <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LaAl</mml:mi><mml:mi>X</mml:mi></mml:mrow></mml:math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:mi>X</mml:mi><mml:mo>=</mml:mo> Physical Review B, 2022, 105, .	3.2	7
61	Intracellular silicification by early-branching magnetotactic bacteria. Science Advances, 2022, 8, eabn6045.	10.3	11
62	Structure modification of Ni-rich layered oxide cathode toward advanced lithium-ion batteries. Journal of Materials Research, 2022, 37, 3250-3268.	2.6	4
63	Realizing Negatively Charged Metal Atoms through Controllable dâ€Electron Transfer in Ternary Ir_{1â^'}_xRh_xSb Intermetallic Alloy for Hydrogen Evolution Reaction. Advanced Energy Materials, 2022, 12, .	19.5	104
64	Realizing Two-Electron Transfer in Ni(OH)₂ Nanosheets for Energy Storage. Journal of the American Chemical Society, 2022, 144, 8969-8976.	13.7	116
65	Ferroelastic domain identification and toughening mechanism for yttrium tantalateâ€“zirconium oxide. Journal of Materials Science and Technology, 2022, 127, 78-88.	10.7	21
66	Preparation of Dye Moleculeâ€Intercalated MoO₃ Organic/Inorganic Superlattice Nanoparticles for Fluorescence Imagingâ€Guided Catalytic Therapy. Small, 2022, 18, .	10.0	18
67	Singleâ€Metal Atoms and Ultraâ€Small Clusters Manipulating Charge Carrier Migration in Polymeric Perylene Diimide for Efficient Photocatalytic Oxygen Production. Advanced Energy Materials, 2022, 12, .	19.5	40
68	Highly Active Si Sites Enabled by Negative Valent Ru for Electrocatalytic Hydrogen Evolution in LaRuSi. Angewandte Chemie - International Edition, 2022, 61, .	13.8	86
69	Highly Active Si Sites Enabled by Negative Valent Ru for Electrocatalytic Hydrogen Evolution in LaRuSi. Angewandte Chemie, 2022, 134, .	2.0	28
70	A General Synthetic Method for High-Entropy Alloy Subnanometer Ribbons. Journal of the American Chemical Society, 2022, 144, 10582-10590.	13.7	108
71	Linker Scissoring Strategy Enables Precise Shaping of Metalâ€“Organic Frameworks for Chromatographic Separation. Angewandte Chemie, 2022, 134, .	2.0	1
72	Synthesis of KVPO₄F/Carbon Porous Single Crystalline Nanoplates for High-Rate Potassium-Ion Batteries. Nano Letters, 2022, 22, 4933-4940.	9.1	37

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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.	13.7	63
74	Defect engineering of layered double hydroxide nanosheets as inorganic photosensitizers for NIR-III photodynamic cancer therapy. Nature Communications, 2022, 13, .	12.8	95
75	Linker Scissoring Strategy Enables Precise Shaping of Metalâ€“Organic Frameworks for Chromatographic Separation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	15
76	High-entropy enhanced capacitive energy storage. Nature Materials, 2022, 21, 1074-1080.	27.5	161
77	Epitaxial stabilization of an orthorhombic Mg-Ti-O superconductor. Physical Review B, 2022, 105, .	3.2	2
78	Spreading monoclinic boundary network between hexagonal primary grains for high performance Ni-rich cathode materials. Nano Energy, 2022, 100, 107502.	16.0	7
79	Unraveling the Evolution of Transition Metals during Li Alloyingâ€“Dealloying by In-Operando Magnetometry. Chemistry of Materials, 2022, 34, 5852-5859.	6.7	19
80	Industrialâ€Level CO₂Electroreduction Using Solidâ€Electrolyte Devices Enabled by Highâ€Loading Nickel Atomic Site Catalysts. Advanced Energy Materials, 2022, 12, .	19.5	32
81	Anti-dissolution Pt single site with Pt(OH)(O3)/Co(P) coordination for efficient alkaline water splitting electrolyzer. Nature Communications, 2022, 13, .	12.8	73
82	Atomically Dispersed MoO_x on Rhodium Metallene Boosts Electrocatalyzed Alkaline Hydrogen Evolution. Angewandte Chemie - International Edition, 2022, 61, .	13.8	57
83	Understanding adversarial attacks on deep learning based medical image analysis systems. Pattern Recognition, 2021, 110, 107332.	8.1	214
84	Spiny Pd/PtFe core/shell nanotubes with rich high-index facets for efficient electrocatalysis. Science Bulletin, 2021, 66, 44-51.	9.0	54
85	In Operando Visualization of Cation Disorder Unravels Voltage Decay in Niâ€Rich Cathodes. Small Methods, 2021, 5, e2000730.	8.6	18
86	Structures and Functional Properties of Amorphous Alloys. Small Structures, 2021, 2, 2000057.	12.0	28
87	Enhancing CO₂ Electrocatalysis on 2D Porphyrinâ€Based Metalâ€“Organic Framework Nanosheets Coupled with Visibleâ€Light. Small Methods, 2021, 5, e2000991.	8.6	50
88	Strainâ€Mediated High Conductivity in Ultrathin Antiferromagnetic Metallic Nitrides. Advanced Materials, 2021, 33, 2005920.	21.0	25
89	Quasiâ€Epitaxial Growth of Magnetic Nanostructures on 4Hâ€Au Nanoribbons. Advanced Materials, 2021, 33, e2007140.	21.0	18
90	Coordination Number Regulation of Molybdenum Single-Atom Nanozyme Peroxidase-like Specificity. CheM, 2021, 7, 436-449.	11.7	216

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91	Porous Î³-Fe2O3 nanoparticle decorated with atomically dispersed platinum: Study on atomic site structural change and gas sensor activity evolution. Nano Research, 2021, 14, 1435-1442.	10.4	46
92	Sub-nanometric Manganous Oxide Clusters in Nitrogen Doped Mesoporous Carbon Nanosheets for High-Performance Lithiumâ€“Sulfur Batteries. Nano Letters, 2021, 21, 700-708.	9.1	60
93	LiMnO2 cathode stabilized by interfacial orbital ordering for sustainable lithium-ion batteries. Nature Sustainability, 2021, 4, 392-401.	23.7	156
94	Nanoporous Surface Highâ€Entropy Alloys as Highly Efficient Multisite Electrocatalysts for Nonacidic Hydrogen Evolution Reaction. Advanced Functional Materials, 2021, 31, 2009613.	14.9	145
95	Tunnel Intergrowth Li_xMnO₂ Nanosheet Arrays as 3D Cathode for Highâ€Performance Allâ€Solidâ€State Thin Film Lithium Microbatteries. Advanced Materials, 2021, 33, e2003524.	21.0	53
96	Elevating the dâ€Band Center of Sixâ€Coordinated Octahedrons in Co₉S₈ through Feâ€Incorporated Topochemical Deintercalation. Advanced Energy Materials, 2021, 11, 2003023.	19.5	121
97	Retarded layered-to-spinel phase transition in structure reinforced birnessite with high Li content. Science Bulletin, 2021, 66, 219-224.	9.0	9
98	Structurally Disordered Phosphorus-Doped Pt as a Highly Active Electrocatalyst for an Oxygen Reduction Reaction. ACS Catalysis, 2021, 11, 355-363.	11.2	79
99	Extrinsic Photoconduction Induced Shortâ€Wavelength Infrared Photodetectors Based on Geâ€Based Chalcogenides. Small, 2021, 17, e2006765.	10.0	25
100	Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites. Advanced Materials, 2021, 33, e2001324.	21.0	21
101	Extra storage capacity in transition metal oxide lithium-ion batteries revealed by in situ magnetometry. Nature Materials, 2021, 20, 76-83.	27.5	432
102	RhSe₂: A Superior 3D Electrocatalyst with Multiple Active Facets for Hydrogen Evolution Reaction in Both Acid and Alkaline Solutions. Advanced Materials, 2021, 33, e2007894.	21.0	205
103	Surfaceâ€Bound Domain Penetration and Large Wall Current. Advanced Electronic Materials, 2021, 7, 2000720.	5.1	8
104	One-step synthesis of single-site vanadium substitution in 1T-WS2 monolayers for enhanced hydrogen evolution catalysis. Nature Communications, 2021, 12, 709.	12.8	137
105	Ferromagnetic Materials: Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites (Adv. Mater. 4/2021). Advanced Materials, 2021, 33, 2170026.	21.0	0
106	Single-atom nickel terminating sp² and sp³ nitride in polymeric carbon nitride for visible-light photocatalytic overall water splitting. Chemical Science, 2021, 12, 3633-3643.	7.4	68
107	Pillar-beam structures prevent layered cathode materials from destructive phase transitions. Nature Communications, 2021, 12, 13.	12.8	85
108	Relation-Aware Reasoning with Graph Convolutional Network. Lecture Notes in Computer Science, 2021, , 52-64.	1.3	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.	2.0	0
110	Long-Term Cycle Stability Enabled by the Incorporation of Ni into Li₂MnO₃ Phase in the Mn-Based Li-Rich Layered Materials. ACS Energy Letters, 2021, 6, 789-798.	17.4	27
111	Controlling the Stacking Modes of Metalâ€“Organic Framework Nanosheets through Hostâ€“Guest Noncovalent Interactions. Angewandte Chemie - International Edition, 2021, 60, 6920-6925.	13.8	40
112	Proximate Quantum Spin Liquid on Designer Lattice. Nano Letters, 2021, 21, 2010-2017.	9.1	4
113	Controlling the Stacking Modes of Metalâ€“Organic Framework Nanosheets through Hostâ€“Guest Noncovalent Interactions. Angewandte Chemie, 2021, 133, 6996-7001.	2.0	8
114	Structural twinning-induced insulating phase in CrN (111) films. Physical Review Materials, 2021, 5, .	2.4	12
115	Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting. Angewandte Chemie, 2021, 133, 7002-7007.	2.0	8
116	Construction of Dualâ€Activeâ€Site Copper Catalyst Containing both Cuï£¿N₃ and Cuï£¿N₄ Sites. Small, 2021, 17, e2006834.	10.0	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.	13.8	65
118	Robust Surface Reconstruction Induced by Subsurface Ni/Li Antisites in Niâ€Rich Cathodes. Advanced Functional Materials, 2021, 31, 2010291.	14.9	36
119	Direct observation of atomic-level fractal structure in a metallic glass membrane. Science Bulletin, 2021, 66, 1312-1318.	9.0	11
120	Activating Layered Metal Oxide Nanomaterials via Structural Engineering as Biodegradable Nanoagents for Photothermal Cancer Therapy. Small, 2021, 17, e2007486.	10.0	94
121	Frontispiz: Controlling the Stacking Modes of Metalâ€“Organic Framework Nanosheets through Hostâ€“Guest Noncovalent Interactions. Angewandte Chemie, 2021, 133, .	2.0	0
122	Effect of high-temperature up-quenching on stabilizing off-eutectic metallic glasses. Physical Review B, 2021, 103, .	3.2	6
123	Selective Epitaxial Growth of Rh Nanorods on 2H/fcc Heterophase Au Nanosheets to Form 1D/2D Rhâ€“Au Heterostructures for Highly Efficient Hydrogen Evolution. Journal of the American Chemical Society, 2021, 143, 4387-4396.	13.7	56
124	Realization of AlSb in the Double-Layer Honeycomb Structure: A Robust Class of Two-Dimensional Material. ACS Nano, 2021, 15, 8184-8191.	14.6	20
125	Liâ€Rich Li 2 [Ni 0.8 Co 0.1 Mn 0.1]O 2 for Anodeâ€Free Lithium Metal Batteries. Angewandte Chemie, 2021, 133, 8370-8377.	2.0	2
126	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. Science Advances, 2021, 7, .	10.3	64

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127	Near-room temperature ferromagnetic insulating state in highly distorted LaCoO2.5 with CoO5 square pyramids. Nature Communications, 2021, 12, 1853.	12.8	25
128	Exclusive Strain Effect Boosts Overall Water Splitting in PdCu/Ir Core/Shell Nanocrystals. Angewandte Chemie - International Edition, 2021, 60, 8243-8250.	13.8	163
129	Oxygen-redox reactions in LiCoO2 cathode without Oâ€“O bonding during charge-discharge. Joule, 2021, 5, 720-736.	24.0	56
130	Nanoburl Graphites. Advanced Materials, 2021, 33, e2007513.	21.0	19
131	Liâ€Rich Li₂[Ni_{0.8}Co_{0.1}Mn_{0.1}]O₂ for Anodeâ€Free Lithium Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 8289-8296.	13.8	71
132	Dimensional Control of Octahedral Tilt in SrRuO₃ via Infinite-Layered Oxides. Nano Letters, 2021, 21, 3146-3154.	9.1	14
133	Frontispiece: Controlling the Stacking Modes of Metalâ€“Organic Framework Nanosheets through Hostâ€“Guest Noncovalent Interactions. Angewandte Chemie - International Edition, 2021, 60, .	13.8	1
134	Near-ideal van der Waals rectifiers based on all-two-dimensional Schottky junctions. Nature Communications, 2021, 12, 1522.	12.8	103
135	Exclusive Strain Effect Boosts Overall Water Splitting in PdCu/Ir Core/Shell Nanocrystals. Angewandte Chemie, 2021, 133, 8324-8331.	2.0	18
136	High-Loading Single-Atomic-Site Silver Catalysts with an Ag₁â€“C₂N₁ Structure Showing Superior Performance for Epoxidation of Styrene. ACS Catalysis, 2021, 11, 4946-4954.	11.2	62
137	Reversed Active Sites Boost the Intrinsic Activity of Grapheneâ€like Cobalt Selenide for Hydrogen Evolution. Angewandte Chemie, 2021, 133, 12468-12473.	2.0	17
138	Stable Bimetallene Hydride Boosts Anodic CO Tolerance of Fuel Cells. ACS Energy Letters, 2021, 6, 1912-1919.	17.4	48
139	Chemical-Pressure-Modulated BaTiO₃ Thin Films with Large Spontaneous Polarization and High Curie Temperature. Journal of the American Chemical Society, 2021, 143, 6491-6497.	13.7	37
140	Iron carbide allured lithium metal storage in carbon nanotube cavities. Energy Storage Materials, 2021, 36, 459-465.	18.0	39
141	Metalâ€“Organic Framework Membranes Encapsulating Gold Nanoparticles for Direct Plasmonic Photocatalytic Nitrogen Fixation. Journal of the American Chemical Society, 2021, 143, 5727-5736.	13.7	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.	11.7	55
143	Reversed Active Sites Boost the Intrinsic Activity of Grapheneâ€like Cobalt Selenide for Hydrogen Evolution. Angewandte Chemie - International Edition, 2021, 60, 12360-12365.	13.8	142
144	Metal-organic framework membranes with single-atomic centers for photocatalytic CO2 and O2 reduction. Nature Communications, 2021, 12, 2682.	12.8	154

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145	Cation-synergy stabilizing anion redox of Chevrel phase Mo6S8 in aluminum ion battery. Energy Storage Materials, 2021, 37, 87-93.	18.0	31
146	Dual-atom Pt heterogeneous catalyst with excellent catalytic performances for the selective hydrogenation and epoxidation. Nature Communications, 2021, 12, 3181.	12.8	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.	9.1	48
148	A Supported Pd₂Dualâ€Atom Site Catalyst for Efficient Electrochemical CO₂Reduction. Angewandte Chemie, 2021, 133, 13500-13505.	2.0	29
149	Highâ€Index Faceted PdPtCu Ultrathin Nanorings Enable Highly Active and Stable Oxygen Reduction Electrocatalysis. Small Methods, 2021, 5, e2100154.	8.6	34
150	A medium-range structure motif linking amorphous and crystalline states. Nature Materials, 2021, 20, 1347-1352.	27.5	92
151	Emergent Magnetic Phenomenon with Unconventional Structure in Epitaxial Manganate Thin Films. Advanced Science, 2021, 8, 2100177.	11.2	7
152	Addressing voltage decay in Li-rich cathodes by broadening the gap between metallic and anionic bands. Nature Communications, 2021, 12, 3071.	12.8	81
153	Layered oxides with solid-solution reaction for high voltage potassium-ion batteries cathode. Chemical Engineering Journal, 2021, 412, 128735.	12.7	30
154	Co-deposition growth and superconductivity of La2â^'xSrxCuO4 films by reactive molecular beam epitaxy. Physical Review B, 2021, 103, .	3.2	1
155	A Supported Pd₂Dualâ€Atom Site Catalyst for Efficient Electrochemical CO₂Reduction. Angewandte Chemie - International Edition, 2021, 60, 13388-13393.	13.8	201
156	Matching the kinetics of natural enzymes with a single-atom iron nanozyme. Nature Catalysis, 2021, 4, 407-417.	34.4	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.	2.2	10
158	One-step epitaxy of high-mobility La-doped BaSnO3 films by high-pressure magnetron sputtering. APL Materials, 2021, 9, .	5.1	16
159	Planarâ€Coordination PdSe₂ Nanosheets as Highly Active Electrocatalyst for Hydrogen Evolution Reaction. Advanced Functional Materials, 2021, 31, 2102321.	14.9	98
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