

Lin Gu

List of Publications by Year in descending order

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1,041
papers

100,442
citations

115

163
h-index

551

264
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1072
all docs

1072
docs citations

1072
times ranked

60330
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the High Activity of Fe ^N -C Electrocatalysts in Oxygen Reduction: Fe/Fe ₃ C Nanoparticles Boost the Activity of Fe ^N . Journal of the American Chemical Society, 2016, 138, 3570-3578.	13.7	1,549
2	Photochemical route for synthesizing atomically dispersed palladium catalysts. Science, 2016, 352, 797-800.	12.6	1,540
3	Smaller Sulfur Molecules Promise Better Lithium-Sulfur Batteries. Journal of the American Chemical Society, 2012, 134, 18510-18513.	13.7	1,499
4	Ultrafine jagged platinum nanowires enable ultrahigh mass activity for the oxygen reduction reaction. Science, 2016, 354, 1414-1419.	12.6	1,292
5	Metal-organic frameworks as selectivity regulators for hydrogenation reactions. Nature, 2016, 539, 76-80.	27.8	1,201
6	Exploring atomic defects in molybdenum disulphide monolayers. Nature Communications, 2015, 6, 6293.	12.8	1,124
7	Enhanced strength and ductility in a high-entropy alloy via ordered oxygen complexes. Nature, 2018, 563, 546-550.	27.8	988
8	Tuning element distribution, structure and properties by composition in high-entropy alloys. Nature, 2019, 574, 223-227.	27.8	874
9	An Electrolytic Zn-MnO ₂ Battery for High-Voltage and Scalable Energy Storage. Angewandte Chemie - International Edition, 2019, 58, 7823-7828.	13.8	787
10	High phase-purity 1T-MoS ₂ - and 1T-MoSe ₂ -layered crystals. Nature Chemistry, 2018, 10, 638-643.	13.6	757
11	Direct observation of noble metal nanoparticles transforming to thermally stable single atoms. Nature Nanotechnology, 2018, 13, 856-861.	31.5	741
12	Ultrahigh-energy density lead-free dielectric films via polymorphic nanodomain design. Science, 2019, 365, 578-582.	12.6	662
13	Cobalt carbide nanoprisms for direct production of lower olefins from syngas. Nature, 2016, 538, 84-87.	27.8	647
14	Direct atomic-scale confirmation of three-phase storage mechanism in Li ₄ Ti ₅ O ₁₂ anodes for room-temperature sodium-ion batteries. Nature Communications, 2013, 4, 1870.	12.8	628
15	Direct Z-scheme g-C ₃ N ₄ /WO ₃ photocatalyst with atomically defined junction for H ₂ production. Applied Catalysis B: Environmental, 2017, 219, 693-704.	20.2	617
16	Rutile-TiO ₂ Nanocoating for a High-Rate Li ₄ Ti ₅ O ₁₂ Anode of a Lithium-Ion Battery. Journal of the American Chemical Society, 2012, 134, 7874-7879.	13.7	602
17	Interfacial Effects in Iron-Nickel Hydroxide-Platinum Nanoparticles Enhance Catalytic Oxidation. Science, 2014, 344, 495-499.	12.6	591
18	Cascade anchoring strategy for general mass production of high-loading single-atomic metal-nitrogen catalysts. Nature Communications, 2019, 10, 1278.	12.8	591

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19	Single-Atom Vacancy Defect to Trigger High-Efficiency Hydrogen Evolution of MoS ₂ . Journal of the American Chemical Society, 2020, 142, 4298-4308.	13.7	585
20	Atomically isolated nickel species anchored on graphitized carbon for efficient hydrogen evolution electrocatalysis. Nature Communications, 2016, 7, 10667.	12.8	577
21	Reversible Storage of Lithium in Silver-Coated Three-Dimensional Macroporous Silicon. Advanced Materials, 2010, 22, 2247-2250.	21.0	558
22	Few-layer graphdiyne doped with sp-hybridized nitrogen atoms at acetylenic sites for oxygen reduction electrocatalysis. Nature Chemistry, 2018, 10, 924-931.	13.6	558
23	Encapsulation of Sn@carbon Nanoparticles in Bamboo-like Hollow Carbon Nanofibers as an Anode Material in Lithium-Based Batteries. Angewandte Chemie - International Edition, 2009, 48, 6485-6489.	13.8	551
24	Electric-field control of tri-state phase transformation with a selective dual-ion switch. Nature, 2017, 546, 124-128.	27.8	551
25	Interfacial electronic effects control the reaction selectivity of platinum catalysts. Nature Materials, 2016, 15, 564-569.	27.5	548
26	Giant Energy Density and Improved Discharge Efficiency of Solution-Processed Polymer Nanocomposites for Dielectric Energy Storage. Advanced Materials, 2016, 28, 2055-2061.	21.0	534
27	Atomic-layered Au clusters on 1T-MoC as catalysts for the low-temperature water-gas shift reaction. Science, 2017, 357, 389-393.	12.6	534
28	Matching the kinetics of natural enzymes with a single-atom iron nanozyme. Nature Catalysis, 2021, 4, 407-417.	34.4	517
29	Fe Isolated Single Atoms on S, N Codoped Carbon by Copolymer Pyrolysis Strategy for Highly Efficient Oxygen Reduction Reaction. Advanced Materials, 2018, 30, e1800588.	21.0	511
30	Ultrahigh Energy Density of Polymer Nanocomposites Containing BaTiO ₃ @TiO ₂ Nanofibers by Atomic-Scale Interface Engineering. Advanced Materials, 2015, 27, 819-824.	21.0	503
31	Understanding the Rate Capability of High-Energy-Density Li-Rich Layered Li _{1.2} Ni _{0.15} Co _{0.1} Mn _{0.55} O ₂ Cathode Materials. Advanced Energy Materials, 2014, 4, 1300950.	19.5	480
32	Experimental Realization of an Intrinsic Magnetic Topological Insulator [*] . Chinese Physics Letters, 2019, 36, 076801.	3.3	457
33	A General Route to Prepare Low-Ruthenium-Content Bimetallic Electrocatalysts for pH-Universal Hydrogen Evolution Reaction by Using Carbon Quantum Dots. Angewandte Chemie - International Edition, 2020, 59, 1718-1726.	13.8	452
34	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. Nature Chemistry, 2020, 12, 764-772.	13.6	452
35	A universal ligand mediated method for large scale synthesis of transition metal single atom catalysts. Nature Communications, 2019, 10, 4585.	12.8	441
36	Electrically Induced Ferromagnetism at Room Temperature in Cobalt-Doped Titanium Dioxide. Science, 2011, 332, 1065-1067.	12.6	439

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37	Suppressing the P2â€œO2 Phase Transition of Na_{0.67}Mn_{0.67}Ni_{0.33}O₂ by Magnesium Substitution for Improved Sodiumâ€œlon Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7445-7449.	13.8	439
38	Extra storage capacity in transition metal oxide lithium-ion batteries revealed by in situ magnetometry. <i>Nature Materials</i> , 2021, 20, 76-83.	27.5	432
39	Systematic design of superaerophobic nanotube-array electrode comprised of transition-metal sulfides for overall water splitting. <i>Nature Communications</i> , 2018, 9, 2452.	12.8	431
40	Single-atom Rh/N-doped carbon electrocatalyst for formic acid oxidation. <i>Nature Nanotechnology</i> , 2020, 15, 390-397.	31.5	420
41	Giant energy density and high efficiency achieved in bismuth ferrite-based film capacitors via domain engineering. <i>Nature Communications</i> , 2018, 9, 1813.	12.8	408
42	Elimination of Photon Quenching by a Transition Layer to Fabricate a Quenchingâ€œShield Sandwich Structure for 800 nm Excited Upconversion Luminescence of Nd³⁺â€œSensitized Nanoparticles. <i>Advanced Materials</i> , 2014, 26, 2831-2837.	21.0	405
43	Tin Nanoparticles Encapsulated in Porous Multichannel Carbon Microtubes: Preparation by Single-Nozzle Electrospinning and Application as Anode Material for High-Performance Li-Based Batteries. <i>Journal of the American Chemical Society</i> , 2009, 131, 15984-15985.	13.7	404
44	Wafer-Scale Growth and Transfer of Highly-Oriented Monolayer MoS₂ Continuous Films. <i>ACS Nano</i> , 2017, 11, 12001-12007.	14.6	397
45	Corrosion engineering towards efficient oxygen evolution electrodes with stable catalytic activity for over 6000 hours. <i>Nature Communications</i> , 2018, 9, 2609.	12.8	389
46	New Nanoconfined Galvanic Replacement Synthesis of Hollow Sb@C Yolkâ€œShell Spheres Constituting a Stable Anode for High-Rate Li/Na-Ion Batteries. <i>Nano Letters</i> , 2017, 17, 2034-2042.	9.1	386
47	Single-atom cobalt array bound to distorted 1T MoS2 with ensemble effect for hydrogen evolution catalysis. <i>Nature Communications</i> , 2019, 10, 5231.	12.8	371
48	Amorphous Red Phosphorus Embedded in Highly Ordered Mesoporous Carbon with Superior Lithium and Sodium Storage Capacity. <i>Nano Letters</i> , 2016, 16, 1546-1553.	9.1	360
49	Highly Efficient CO₂ Electroreduction on ZnN₄-based Singleâ€œAtom Catalyst. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12303-12307.	13.8	356
50	Isolated Single-Atom Pd Sites in Intermetallic Nanostructures: High Catalytic Selectivity for Semihydrogenation of Alkynes. <i>Journal of the American Chemical Society</i> , 2017, 139, 7294-7301.	13.7	354
51	Multi-shelled metal oxides prepared via an anion-adsorption mechanism for lithium-ion batteries. <i>Nature Energy</i> , 2016, 1, .	39.5	352
52	Phase-selective synthesis of 1Tâ€œ MoS2 monolayers and heterophase bilayers. <i>Nature Materials</i> , 2018, 17, 1108-1114.	27.5	348
53	A Nanozyme with Photoâ€œEnhanced Dual Enzymeâ€œLike Activities for Deep Pancreatic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12624-12631.	13.8	345
54	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1295-1301.	13.8	344

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55	Na ⁺ /vacancy disordering promises high-rate Na-ion batteries. <i>Science Advances</i> , 2018, 4, eaar6018.	10.3	341
56	Zirconium-Porphyrin-Based Metal-Organic Framework Hollow Nanotubes for Immobilization of Noble-Metal Single Atoms. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3493-3498.	13.8	341
57	Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018, 30, 1705509.	21.0	341
58	High-Capacity Cathode Material with High Voltage for Li-ion Batteries. <i>Advanced Materials</i> , 2018, 30, 1705575.	21.0	333
59	Synthesis of Nitrogen-Doped MnO/Graphene Nanosheets Hybrid Material for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 658-664.	8.0	331
60	Ru Modulation Effects in the Synthesis of Unique Rod-like Ni@Ni ₂ P-Ru Heterostructures and Their Remarkable Electrocatalytic Hydrogen Evolution Performance. <i>Journal of the American Chemical Society</i> , 2018, 140, 2731-2734.	13.7	326
61	Single-atomic cobalt sites embedded in hierarchically ordered porous nitrogen-doped carbon as a superior bifunctional electrocatalyst. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12692-12697.	7.1	325
62	Atomic Structure and Kinetics of NASICON Na _x V ₂ (PO ₄) ₃ Cathode for Sodium-ion Batteries. <i>Advanced Functional Materials</i> , 2014, 24, 4265-4272.	14.9	323
63	A general synthesis approach for amorphous noble metal nanosheets. <i>Nature Communications</i> , 2019, 10, 4855.	12.8	321
64	Ti-substituted tunnel-type Na _{0.44} MnO ₂ oxide as a negative electrode for aqueous sodium-ion batteries. <i>Nature Communications</i> , 2015, 6, 6401.	12.8	316
65	Constructing NiCo/Fe ₃ O ₄ Heteroparticles within MOF-74 for Efficient Oxygen Evolution Reactions. <i>Journal of the American Chemical Society</i> , 2018, 140, 15336-15341.	13.7	310
66	Ti-Substituted NaNi _{0.5} Mn _{0.5} VO ₂ Cathodes with Reversible O ₃ →P ₃ Phase Transition for High-Performance Sodium-ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1700210.	21.0	309
67	MOF-Derived Hollow Co ₉ S ₈ Nanoparticles Embedded in Graphitic Carbon Nanocages with Superior Li-ion Storage. <i>Small</i> , 2016, 12, 2354-2364.	10.0	306
68	Nanoconfined Carbon-Coated Na ₃ V ₂ (PO ₄) ₃ Particles in Mesoporous Carbon Enabling Ultralong Cycle Life for Sodium-ion Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1402104.	19.5	305
69	Designing Air-Stable O ₃ -Type Cathode Materials by Combined Structure Modulation for Na-ion Batteries. <i>Journal of the American Chemical Society</i> , 2017, 139, 8440-8443.	13.7	303
70	Surface evolution of a Pt-Pd-Au electrocatalyst for stable oxygen reduction. <i>Nature Energy</i> , 2017, 2, .	39.5	302
71	Oxygen-Assisted Chemical Vapor Deposition Growth of Large Single-Crystal and High-Quality Monolayer MoS ₂ . <i>Journal of the American Chemical Society</i> , 2015, 137, 15632-15635.	13.7	301
72	Zn Single Atom Catalyst for Highly Efficient Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2017, 27, 1700802.	14.9	296

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73	Electrochemically activated spinel manganese oxide for rechargeable aqueous aluminum battery. <i>Nature Communications</i> , 2019, 10, 73.	12.8	291
74	Enhancing the Kinetics of Li-Rich Cathode Materials through the Pinning Effects of Gradient Surface Na ⁺ Doping. <i>Advanced Energy Materials</i> , 2016, 6, 1501914.	19.5	288
75	Air-Stable Copper-Based P ₂ Na _{7/9} Cu _{2/9} Fe _{1/9} Mn _{2/3} O ₂ as a New Positive Electrode Material for Sodium-Ion Batteries. <i>Advanced Science</i> , 2015, 2, 1500031.	11.2	287
76	High-Performance Anode Material Sr ₂ FeMo _{0.65} Ni _{0.35} O ₆ with <i>In Situ</i> Exsolved Nanoparticle Catalyst. <i>ACS Nano</i> , 2016, 10, 8660-8669.	14.6	287
77	Thermal Emitting Strategy to Synthesize Atomically Dispersed Pt Metal Sites from Bulk Pt Metal. <i>Journal of the American Chemical Society</i> , 2019, 141, 4505-4509.	13.7	285
78	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.	21.0	283
79	Carbon nitride supported Fe ₂ cluster catalysts with superior performance for alkene epoxidation. <i>Nature Communications</i> , 2018, 9, 2353.	12.8	278
80	Rational Design of Fe-N/C Hybrid for Enhanced Nitrogen Reduction Electrocatalysis under Ambient Conditions in Aqueous Solution. <i>ACS Catalysis</i> , 2019, 9, 336-344.	11.2	278
81	Ultrahigh energy storage in superparaelectric relaxor ferroelectrics. <i>Science</i> , 2021, 374, 100-104.	12.6	276
82	A Germanium-Carbon Nanocomposite Material for Lithium Batteries. <i>Advanced Materials</i> , 2008, 20, 3079-3083.	21.0	271
83	Crystallinity-Modulated Electrocatalytic Activity of a Nickel(II) Borate Thin Layer on Ni ₃ B for Efficient Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6572-6577.	13.8	271
84	In Situ Generation of Bifunctional, Efficient Fe-Based Catalysts from Mackinawite Iron Sulfide for Water Splitting. <i>Chem</i> , 2018, 4, 1139-1152.	11.7	271
85	Enhanced capacitance of manganese oxide via confinement inside carbon nanotubes. <i>Chemical Communications</i> , 2010, 46, 3905.	4.1	270
86	Local atomic structure modulations activate metal oxide as electrocatalyst for hydrogen evolution in acidic water. <i>Nature Communications</i> , 2015, 6, 8064.	12.8	270
87	Lithium Storage in Li ₄ Ti ₅ O ₁₂ Spinel: The Full Static Picture from Electron Microscopy. <i>Advanced Materials</i> , 2012, 24, 3233-3238.	21.0	269
88	A Polymer Encapsulation Strategy to Synthesize Porous Nitrogen-Doped Carbon-Nanosphere-Supported Metal Isolated-Single-Atomic-Site Catalysts. <i>Advanced Materials</i> , 2018, 30, e1706508.	21.0	266
89	Photocatalytic CO ₂ Reduction to CO over Ni Single Atoms Supported on Defect-Rich Zirconia. <i>Advanced Energy Materials</i> , 2020, 10, 2002928.	19.5	263
90	Anionic Redox Reaction-Induced High-Capacity and Low-Strain Cathode with Suppressed Phase Transition. <i>Joule</i> , 2019, 3, 503-517.	24.0	262

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91	Confined Pyrolysis within Metal-Organic Frameworks To Form Uniform Ru ₃ Clusters for Efficient Oxidation of Alcohols. <i>Journal of the American Chemical Society</i> , 2017, 139, 9795-9798.	13.7	258
92	Atomic-scale investigation on lithium storage mechanism in TiNb ₂ O ₇ . <i>Energy and Environmental Science</i> , 2011, 4, 2638.	30.8	256
93	Cation vacancy stabilization of single-atomic-site Pt ₁ /Ni(OH) _x catalyst for diboration of alkynes and alkenes. <i>Nature Communications</i> , 2018, 9, 1002.	12.8	255
94	Carbon-Supported Divacancy-Anchored Platinum Single-Atom Electrocatalysts with Superhigh Pt Utilization for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1163-1167.	13.8	252
95	Free-standing and binder-free sodium-ion electrodes with ultralong cycle life and high rate performance based on porous carbon nanofibers. <i>Nanoscale</i> , 2014, 6, 693-698.	5.6	251
96	Phase Modulation of (1T-MoSe ₂ /TiC Shell/Core Arrays via Nitrogen Doping for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2018, 30, e1802223.	21.0	244
97	Tensile Plasticity in Metallic Glasses with Pronounced γ -Relaxations. <i>Physical Review Letters</i> , 2012, 108, 015504.	7.8	243
98	2D Electron Gas and Oxygen Vacancy Induced High Oxygen Evolution Performances for Advanced Co ₃ O ₄ /CeO ₂ Nanohybrids. <i>Advanced Materials</i> , 2019, 31, e1900062.	21.0	242
99	Plasmonic twinned silver nanoparticles with molecular precision. <i>Nature Communications</i> , 2016, 7, 12809.	12.8	235
100	ZIF-8/ZIF-67-Derived Co _x -Embedded 1D Porous Carbon Nanofibers with Graphitic Carbon-Encased Co Nanoparticles as an Efficient Bifunctional Electrocatalyst. <i>Small</i> , 2018, 14, e1800423.	10.0	232
101	A Self-Forming Composite Electrolyte for Solid-State Sodium Battery with Ultralong Cycle Life. <i>Advanced Energy Materials</i> , 2017, 7, 1601196.	19.5	231
102	An Unusual Strong Visible-Light Absorption Band in Red Anatase TiO ₂ Photocatalyst Induced by Atomic Hydrogen-Occupied Oxygen Vacancies. <i>Advanced Materials</i> , 2018, 30, 1704479.	21.0	231
103	Amorphous/Crystalline Heterophase Pd Nanosheets: One-Pot Synthesis and Highly Selective Hydrogenation Reaction. <i>Advanced Materials</i> , 2018, 30, e1803234.	21.0	231
104	Metallic Vanadium Disulfide Nanosheets as a Platform Material for Multifunctional Electrode Applications. <i>Nano Letters</i> , 2017, 17, 4908-4916.	9.1	230
105	Structurally Well-Defined Au@Cu ₂ S Core-Shell Nanocrystals for Improved Cancer Treatment Based on Enhanced Photothermal Efficiency. <i>Advanced Materials</i> , 2016, 28, 3094-3101.	21.0	228
106	Generating Defect-Rich Bismuth for Enhancing the Rate of Nitrogen Electroreduction to Ammonia. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9464-9469.	13.8	226
107	Electrospinning of Highly Electroactive Carbon-Coated Single-Crystalline LiFePO ₄ Nanowires. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6278-6282.	13.8	223
108	Three-Dimensional Porous Core-Shell Sn@Carbon Composite Anodes for High-Performance Lithium-Ion Battery Applications. <i>Advanced Energy Materials</i> , 2012, 2, 238-244.	19.5	223

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109	Surface Structure Evolution of LiMn_2O_4 Cathode Material upon Charge/Discharge. <i>Chemistry of Materials</i> , 2014, 26, 3535-3543.	6.7	223
110	Polar Solvent Induced Lattice Distortion of Cubic CsPbI_3 Nanocubes and Hierarchical Self-Assembly into Orthorhombic Single-Crystalline Nanowires. <i>Journal of the American Chemical Society</i> , 2018, 140, 11705-11715.	13.7	223
111	High-Efficiency Oxygen Reduction to Hydrogen Peroxide Catalyzed by Nickel Single-Atom Catalysts with Tetradentate N_2O_2 Coordination in a Three-Phase Flow Cell. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13057-13062.	13.8	222
112	One dimensional MnO_2 /titanium nitride nanotube coaxial arrays for high performance electrochemical capacitive energy storage. <i>Energy and Environmental Science</i> , 2011, 4, 3502.	30.8	221
113	Atomic Engineering Catalyzed MnO_2 Electrolysis Kinetics for a Hybrid Aqueous Battery with High Power and Energy Density. <i>Advanced Materials</i> , 2020, 32, e2001894.	21.0	221
114	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. <i>Nature Chemistry</i> , 2018, 10, 456-461.	13.6	220
115	Direct Observation of Lithium Staging in Partially Delithiated LiFePO_4 at Atomic Resolution. <i>Journal of the American Chemical Society</i> , 2011, 133, 4661-4663.	13.7	219
116	Atom-resolved imaging of ordered defect superstructures at individual grain boundaries. <i>Nature</i> , 2011, 479, 380-383.	27.8	219
117	Densely Isolated FeN_4 Sites for Peroxidase Mimicking. <i>ACS Catalysis</i> , 2020, 10, 6422-6429.	11.2	216
118	Coordination Number Regulation of Molybdenum Single-Atom Nanozyme Peroxidase-like Specificity. <i>CheM</i> , 2021, 7, 436-449.	11.7	216
119	Facile Preparation of Water-Dispersible Graphene Sheets Stabilized by Carboxylated Oligoanilines and Their Anticorrosion Coatings. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17641-17648.	8.0	215
120	Mastering Surface Reconstruction of Metastable Spinel Oxides for Better Water Oxidation. <i>Advanced Materials</i> , 2019, 31, e1807898.	21.0	215
121	Controlling N-doping type in carbon to boost single-atom site Cu catalyzed transfer hydrogenation of quinoline. <i>Nano Research</i> , 2020, 13, 3082-3087.	10.4	215
122	Understanding adversarial attacks on deep learning based medical image analysis systems. <i>Pattern Recognition</i> , 2021, 110, 107332.	8.1	214
123	Amorphous iron phosphate: potential host for various charge carrier ions. <i>NPG Asia Materials</i> , 2014, 6, e138-e138.	7.9	213
124	$\text{FeS}@C$ on Carbon Cloth as Flexible Electrode for Both Lithium and Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27804-27809.	8.0	213
125	Regulating Pore Structure of Hierarchical Porous Waste Cork-Derived Hard Carbon Anode for Enhanced Na Storage Performance. <i>Advanced Energy Materials</i> , 2019, 9, 1902852.	19.5	212
126	Atomic Structure of Li_2MnO_3 after Partial Delithiation and Re-Lithiation. <i>Advanced Energy Materials</i> , 2013, 3, 1358-1367.	19.5	211

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127	Facet engineering accelerates spillover hydrogenation on highly diluted metal nanocatalysts. <i>Nature Nanotechnology</i> , 2020, 15, 848-853.	31.5	210
128	Low-Temperature Ionic-Liquid-Based Synthesis of Nanostructured Iron-Based Fluoride Cathodes for Lithium Batteries. <i>Advanced Materials</i> , 2010, 22, 3650-3654.	21.0	209
129	Observation of ferromagnetism above 900K in Cr-GaN and Cr-AlN. <i>Applied Physics Letters</i> , 2004, 85, 4076-4078.	3.3	207
130	Synthesis of Ultrathin PdCu Alloy Nanosheets Used as a Highly Efficient Electrocatalyst for Formic Acid Oxidation. <i>Advanced Materials</i> , 2017, 29, 1700769.	21.0	207
131	RhSe ₂ : A Superior 3D Electrocatalyst with Multiple Active Facets for Hydrogen Evolution Reaction in Both Acid and Alkaline Solutions. <i>Advanced Materials</i> , 2021, 33, e2007894.	21.0	205
132	Dendritic defect-rich palladium-copper-cobalt nanoalloys as robust multifunctional non-platinum electrocatalysts for fuel cells. <i>Nature Communications</i> , 2018, 9, 3702.	12.8	204
133	AuPd-MnO _x /MOF-Graphene: An Efficient Catalyst for Hydrogen Production from Formic Acid at Room Temperature. <i>Advanced Energy Materials</i> , 2015, 5, 1500107.	19.5	203
134	Synergistic Doping and Intercalation: Realizing Deep Phase Modulation on MoS ₂ Arrays for High-Efficiency Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16289-16296.	13.8	201
135	An In Situ Formed Surface Coating Layer Enabling LiCoO ₂ with Stable 4.6 V High-Voltage Cycle Performances. <i>Advanced Energy Materials</i> , 2020, 10, 2001413.	19.5	201
136	A Supported Pd ₂ Dual-Atom Site Catalyst for Efficient Electrochemical CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13388-13393.	13.8	201
137	Temperature-Controlled Selectivity of Hydrogenation and Hydrodeoxygenation in the Conversion of Biomass Molecule by the Ru ₁ /mpg-C ₃ N ₄ Catalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 11161-11164.	13.7	199
138	Li Storage in 3D Nanoporous Au-Supported Nanocrystalline Tin. <i>Advanced Materials</i> , 2011, 23, 2443-2447.	21.0	198
139	Stereodefined Codoping of sp-N and S Atoms in Few-Layer Graphdiyne for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2019, 141, 7240-7244.	13.7	198
140	Mitigating Voltage Decay of Li-Rich Cathode Material via Increasing Ni Content for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20138-20146.	8.0	197
141	Strain Engineering to Enhance the Electrooxidation Performance of Atomic-Layer Pt on Intermetallic Pt ₃ Ga. <i>Journal of the American Chemical Society</i> , 2018, 140, 2773-2776.	13.7	193
142	Heterodoped Nanotubes: Theory, Synthesis, and Characterization of Phosphorus-Nitrogen Doped Multiwalled Carbon Nanotubes. <i>ACS Nano</i> , 2008, 2, 441-448.	14.6	192
143	Steering elementary steps towards efficient alkaline hydrogen evolution via size-dependent Ni/NiO nanoscale heterosurfaces. <i>National Science Review</i> , 2020, 7, 27-36.	9.5	192
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