

Yue Lin

List of PR Articles by Year in descending order

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222

PR articles

33,928

PR citations

1823

90

PR h-index

2403

177

g-index

226

documents

38367

doc citations

2336

94

h-index

29785

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Room-temperature long-range ferromagnetic order in a confined molecular monolayer. <i>Nature Physics</i> , 2024, 20, 281-286.	15.1	29
2	An oxygen-coordinated cobalt single-atom electrocatalyst boosting urea and urea peroxide production. <i>Energy and Environmental Science</i> , 2024, 17, 1950-1960.	30.9	72
3	Breaking Low-Strain and Deep-Potassiation Trade-Off in Alloy Anodes via Bonding Modulation for High-Performance K-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2024, 146, 4752-4761.	15.0	40
4	Highly Crystalline Iridium-Nickel Nanocages with Subnanopores for Acidic Bifunctional Water Splitting Electrolysis. <i>Journal of the American Chemical Society</i> , 2024, 146, 7858-7867.	15.0	102
5	General negative pressure annealing approach for creating ultra-high-loading single atom catalyst libraries. <i>Nature Communications</i> , 2024, 15, .	13.9	67
6	Interfacial Charge-Transfer Excitonic Insulator in a Two-Dimensional Organic-Inorganic Superlattice. <i>Journal of the American Chemical Society</i> , 2024, 146, 21044-21051.	15.0	6
7	In-situ atomic tracking of intermetallic compound formation during thermal annealing. <i>Nature Communications</i> , 2024, 15, .	13.9	33
8	Redox Couple Strategy for Improving the Oxygen Redox Activity and Reversibility of Li- and Mn-Rich Cathode Materials. <i>Nano Letters</i> , 2024, 24, 13496-13503.	8.7	5
9	Permeable void-free interface for all-solid-state alkali-ion polymer batteries. <i>Science Advances</i> , 2024, 10, .	11.0	72
10	Ultra-thin nickel oxide overcoating of noble metal catalysts for directing selective hydrogenation of nitriles to secondary amines. <i>Catalysis Today</i> , 2023, 410, 253-263.	4.7	9
11	A closely packed Pt _{1.5} Ni ₁ /Ni-C hybrid for relay catalysis towards oxygen reduction. <i>Energy and Environmental Science</i> , 2023, 16, 148-156.	30.9	121
12	Ultrasmall PdCuMo Nanoparticle Assemblies for Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2023, 6, 305-314.	5.3	8
13	Functional Surfactant-Induced Long-Range Compressive Strain in Curved Ultrathin Nanodendrites Boosts Electrocatalysis. <i>Nano Letters</i> , 2023, 23, 1085-1092.	8.7	49
14	Conjugated dual size effect of core-shell particles synergizes bimetallic catalysis. <i>Nature Communications</i> , 2023, 14, .	13.9	74
15	Tripodal Pd metallenes mediated by Nb ₂ C MXenes for boosting alkynes semihydrogenation. <i>Nature Communications</i> , 2023, 14, .	13.9	55
16	Ni-Co Alloy Nanoparticles Catalyze Selective Electrochemical Coupling of Nitroarenes into Azoxybenzene Compounds in Aqueous Electrolyte. <i>ACS Nano</i> , 2023, 17, 3984-3995.	15.3	45
17	Single-Site Cu-Doped PdSn Wavy Nanowires for Highly Active, Stable, and CO-Tolerant Ethanol Oxidation Electrocatalysis. , 2023, 1, 363-371.		6
18	Scalable Synthesis of Low-Pt PtCu ₃ Intermetallic Oxygen Reduction Electrocatalysts via Sulfur-Containing Inorganic Salt-Assisted Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 12093-12101.	6.9	11

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19	Precise arrangement of metal atoms at the interface by a thermal printing strategy. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.6	21
20	Temperature Correction and Result Evaluation of Lunar Mineralogical Spectrometer for Changâ€™E-5 Mission. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-8.	6.4	4
21	Ambient Electrochemical Nitrogen Fixation over a Bifunctional Moâ€™(Oâ€™C ₂) ₄ Site Catalyst. Journal of Physical Chemistry C, 2022, 126, 965-973.	3.1	24
22	Epitaxial Growth of Ultrathin Highly Crystalline Ptâ€™Ni Nanostructure on a Metal Carbide Template for Efficient Oxygen Reduction Reaction. Advanced Materials, 2022, 34, .	24.5	55
23	A Redox Couple Strategy Enables Longâ€™Cycling Liâ€™and Mnâ€™Rich Layered Oxide Cathodes by Suppressing Oxygen Release. Advanced Materials, 2022, 34, .	24.5	61
24	High-precision and linear weight updates by subnanosecond pulses in ferroelectric tunnel junction for neuro-inspired computing. Nature Communications, 2022, 13, .	13.9	187
25	Single Co Sites in Ordered SiO ₂ Channels for Boosting Nonoxidative Propane Dehydrogenation. ACS Catalysis, 2022, 12, 2632-2638.	12.4	113
26	Epitaxial titanium nitride microwave resonators: Structural, chemical, electrical, and microwave properties. Physical Review Materials, 2022, 6, .	2.7	26
27	Endoepitaxial growth of monolayer mosaic heterostructures. Nature Nanotechnology, 2022, 17, 493-499.	33.5	106
28	Defective Fe Metalâ€™Organic Frameworks Enhance Metabolic Profiling for Highâ€™Accuracy Diagnosis of Human Cancers. Advanced Materials, 2022, 34, .	24.5	67
29	Ptâ€™Ru Dimer Electrocatalyst with Electron Redistribution for Hydrogen Evolution Reaction. ACS Catalysis, 2022, 12, 5540-5548.	12.4	134
30	Selfâ€™Supported Goldâ€™Silkâ€™Chrysanthemumâ€™Like Superstructures Arrays Derived from Mnâ€™Doped CoPS Nanowires with Superhydrophilic and Superaerophobic Surface for Enhanced Oxygen Evolution. Advanced Materials Interfaces, 2022, 9, .	4.1	8
31	Operando Direct Observation of Stable Water-Oxidation Intermediates on Ca ₂ IrO ₄ Nanocrystals for Efficient Acidic Oxygen Evolution. Nano Letters, 2022, 22, 6988-6996.	8.7	48
32	High-Energy and Long-Cycling All-Solid-State Lithium-Ion Batteries with Li- and Mn-Rich Layered Oxide Cathodes and Sulfide Electrolytes. ACS Energy Letters, 2022, 7, 3006-3014.	17.0	68
33	Atomically dispersed bimetallic Feâ€™Co electrocatalysts for green production of ammonia. Nature Sustainability, 2022, 6, 169-179.	21.7	125
34	Synthesis of a Hexagonal-Phase Platinumâ€™Lanthanide Alloy as a Durable Fuel-Cell-Cathode Catalyst. Chemistry of Materials, 2022, 34, 10789-10797.	6.7	24
35	Planar defectâ€™free pure red perovskite light-emitting diodes via metastable phase crystallization. Science Advances, 2022, 8, .	11.0	61
36	Synergistic Modulation at Atomically Dispersed Fe/Au Interface for Selective CO ₂ Electroreduction. Nano Letters, 2021, 21, 686-692.	8.7	65

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37	Rapid Controllable Synthesis of Atomically Dispersed Co on Carbon under High Voltage within One Minute. <i>Small</i> , 2021, 17, .	11.6	20
38	Converting Co ²⁺ -impregnated g-C ₃ N ₄ into N-doped CNTs-confined Co nanoparticles for efficient hydrogenation rearrangement reactions of furanic aldehydes. <i>Nano Research</i> , 2021, 14, 2846-2852.	8.6	26
39	Unveiling Intrinsic Potassium Storage Behaviors of Hierarchical Nano Bi@N-Doped Carbon Nanocages Framework via In Situ Characterizations. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7180-7187.	14.4	201
40	Unveiling Intrinsic Potassium Storage Behaviors of Hierarchical Nano Bi@N-Doped Carbon Nanocages Framework via In Situ Characterizations. <i>Angewandte Chemie</i> , 2021, 133, 7256-7263.	1.4	29
41	An Efficient Deep-Subwavelength Second Harmonic Nanoantenna Based on Surface Plasmon-Coupled Dilute Nitride GaNP Nanowires. <i>Nano Letters</i> , 2021, 21, 3426-3434.	8.7	10
42	Nonnitrogen Coordination Environment Steering Electrochemical CO ₂ -to-CO Conversion over Single-Atom Tin Catalysts in a Wide Potential Window. <i>ACS Catalysis</i> , 2021, 11, 5212-5221.	12.4	117
43	One-Dimensional Superlattice Heterostructure Library. <i>Journal of the American Chemical Society</i> , 2021, 143, 7013-7020.	15.0	31
44	Phase-Modulation of Iron/Nickel Phosphides Nanocrystals "Armored" with Porous P-Doped Carbon and Anchored on P-Doped Graphene Nanohybrids for Enhanced Overall Water Splitting. <i>Advanced Functional Materials</i> , 2021, 31, .	17.0	71
45	Analytical transmission electron microscopy for emerging advanced materials. <i>Matter</i> , 2021, 4, 2309-2339.	16.0	198
46	Synergizing metal-support interactions and spatial confinement boosts dynamics of atomic nickel for hydrogenations. <i>Nature Nanotechnology</i> , 2021, 16, 1141-1149.	33.5	344
47	Bifunctional Catalytic Activity Guided by Rich Crystal Defects in Ti ₃ C ₂ MXene Quantum Dot Clusters for Li-O ₂ Batteries. <i>Advanced Energy Materials</i> , 2021, 11, .	22.6	75
48	Subsize Pt-based intermetallic compound enables long-term cyclic mass activity for fuel-cell oxygen reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.6	164
49	Quantification of critical particle distance for mitigating catalyst sintering. <i>Nature Communications</i> , 2021, 12, .	13.9	135
50	Simultaneous oxidative and reductive reactions in one system by atomic design. <i>Nature Catalysis</i> , 2021, 4, 134-143.	41.5	192
51	Identification of the Active-Layer Structures for Acidic Oxygen Evolution from 9R-BaIrO ₃ Electrocatalyst with Enhanced Iridium Mass Activity. <i>Journal of the American Chemical Society</i> , 2021, 143, 18001-18009.	15.0	149
52	Stoichiometric two-dimensional non-van der Waals AgCrS ₂ with superionic behaviour at room temperature. <i>Nature Chemistry</i> , 2021, 13, 1235-1240.	18.8	100
53	Bimetallic monolayer catalyst breaks the activity-selectivity trade-off on metal particle size for efficient chemoselective hydrogenations. <i>Nature Catalysis</i> , 2021, 4, 840-849.	41.5	248
54	hcp-phased Ni nanoparticles with generic catalytic hydrogenation activities toward different functional groups. <i>Science China Materials</i> , 2021, 65, 1252-1261.	6.7	10

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55	Synergistically enhanced oxygen reduction electrocatalysis by atomically dispersed and nanoscaled Co species in three-dimensional mesoporous Co, N-codoped carbon nanosheets network. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118207.	20.5	96
56	CoO _x @Co Nanoparticle-based Catalyst for Efficient Selective Transfer Hydrogenation of α,β -Unsaturated Aldehydes. <i>ChemCatChem</i> , 2020, 12, 1019-1024.	3.6	19
57	Orthorhombic Nb ₂ O ₅ - for Durable High-Rate Anode of Li-Ion Batteries. <i>IScience</i> , 2020, 23, 100767.	3.6	50
58	Construction of Hierarchical Nanotubes Assembled from Ultrathin V ₃ S ₄ @C Nanosheets towards Alkali-Ion Batteries with Ion-Dependent Electrochemical Mechanisms. <i>Angewandte Chemie</i> , 2020, 132, 2494-2503.	1.4	18
59	Construction of Hierarchical Nanotubes Assembled from Ultrathin V ₃ S ₄ @C Nanosheets towards Alkali-Ion Batteries with Ion-Dependent Electrochemical Mechanisms. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2473-2482.	14.4	240
60	High-Spin Sulfur-Mediated Phosphorous Activation Enables Safe and Fast Phosphorus Anodes for Sodium-Ion Batteries. <i>Chem</i> , 2020, 6, 221-233.	16.6	75
61	N-induced lattice contraction generally boosts the hydrogen evolution catalysis of P-rich metal phosphides. <i>Science Advances</i> , 2020, 6, .	11.0	284
62	High-Temperature Synthesis of Small-Sized Pt/Nb Alloy Catalysts on Carbon Supports for Hydrothermal Reactions. <i>Inorganic Chemistry</i> , 2020, 59, 15953-15961.	4.6	12
63	Engineering bimetal Cu, Co sites on 3D N-doped porous carbon nanosheets for enhanced oxygen reduction electrocatalysis. <i>Chemical Communications</i> , 2020, 56, 10010-10013.	3.4	29
64	A library of carbon-supported ultrasmall bimetallic nanoparticles. <i>Nano Research</i> , 2020, 13, 2735-2740.	8.6	19
65	Synthesis of carbon-supported sub-2 nanometer bimetallic catalysts by strong metal-sulfur interaction. <i>Chemical Science</i> , 2020, 11, 7933-7939.	7.1	23
66	One-Dimensional Segregated Single Au Sites on Step-Rich ZnO Ladder for Ultrasensitive NO ₂ Sensors. <i>Chem</i> , 2020, 6, 3364-3373.	16.6	63
67	Synthesis of Quasi-Bilayer Subnano Metal-Oxide Interfacial Cluster Catalysts for Advanced Catalysis. <i>Small</i> , 2020, 16, .	11.6	15
68	High-Density Planar-like Fe ₂ N ₆ Structure Catalyzes Efficient Oxygen Reduction. <i>Matter</i> , 2020, 3, 509-521.	16.0	276
69	Active Sites of Single-Atom Iron Catalyst for Electrochemical Hydrogen Evolution. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6691-6696.	4.2	53
70	2D PbS Nanosheets with Zigzag Edges for Efficient CO ₂ Photoconversion. <i>Chemistry - A European Journal</i> , 2020, 26, 13601-13605.	3.4	12
71	Selective Growth of High-Density Anatase {101} Twin Boundaries on High-Energy {001} Facets. <i>Small Structures</i> , 2020, 1, .	11.1	18
72	Modulating oxygen coverage of Ti ₃ C ₂ T _x MXenes to boost catalytic activity for HCOOH dehydrogenation. <i>Nature Communications</i> , 2020, 11, .	13.9	143

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73	Rational Design of Cobalt-Platinum Alloy Decorated Cobalt Nanoparticles for One-Pot Synthesis of Imines from Nitroarenes and Aldehydes. <i>ChemCatChem</i> , 2020, 12, 5948-5958.	3.6	19
74	Thermodynamically Metal Atom Trapping in Van der Waals Layers Enabling Multifunctional 3D Carbon Network. <i>Advanced Functional Materials</i> , 2020, 30, .	17.0	17
75	<i>Operando</i> evidence of Cu ⁺ stabilization via a single-atom modifier for CO ₂ electroreduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25970-25977.	9.3	43
76	Electrocatalytically Active Fe ₄ (O ₂) ₄ Single-Atom Sites for Efficient Reduction of Nitrogen to Ammonia. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13423-13429.	14.4	235
77	Versatile Synthesis of Pd ^m M (M=Cr, Mo, W) Alloy Nanosheets Flower-like Superstructures for Efficient Oxygen Reduction Electrocatalysis. <i>ChemCatChem</i> , 2020, 12, 4138-4148.	3.6	17
78	Electrocatalytically Active Fe ₄ (O ₂) ₄ Single-Atom Sites for Efficient Reduction of Nitrogen to Ammonia. <i>Angewandte Chemie</i> , 2020, 132, 13525-13531.	1.4	26
79	Atomic-Scale Insights into the Dynamics of Growth and Degradation of All-Inorganic Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4618-4624.	4.2	24
80	Engineering unsymmetrically coordinated Cu-SiN ₃ single atom sites with enhanced oxygen reduction activity. <i>Nature Communications</i> , 2020, 11, .	13.9	864
81	Sub-nanosecond memristor based on ferroelectric tunnel junction. <i>Nature Communications</i> , 2020, 11, .	13.9	273
82	BiFeO ₃ -Based Flexible Ferroelectric Memristors for Neuromorphic Pattern Recognition. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1081-1089.	4.6	77
83	Laser Irradiation in Liquid to Release Cobalt Single-Atom Sites for Efficient Electrocatalytic N ₂ Reduction. <i>ACS Applied Energy Materials</i> , 2020, 3, 6079-6086.	5.4	28
84	The High Anisotropy of the Epitaxial Growth of the Well-Aligned Sb ₂ Se ₃ Nanoribbons on Mica. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9909-9917.	8.0	16
85	Uncovering near-free platinum single-atom dynamics during electrochemical hydrogen evolution reaction. <i>Nature Communications</i> , 2020, 11, .	13.9	533
86	Bismuthene for highly efficient carbon dioxide electroreduction reaction. <i>Nature Communications</i> , 2020, 11, .	13.9	445
87	Copper Catalysts in Semihydrogenation of Acetylene: From Single Atoms to Nanoparticles. <i>ACS Catalysis</i> , 2020, 10, 3495-3504.	12.4	185
88	<i>In situ</i> observations of the structural dynamics of platinum-cobalt hydroxide nanocatalysts under CO oxidation. <i>Nanoscale</i> , 2020, 12, 3273-3283.	5.0	16
89	Achieving Efficient Alkaline Hydrogen Evolution Reaction over a Ni ₅ P ₄ Catalyst Incorporating Single-Atomic Ru Sites. <i>Advanced Materials</i> , 2020, 32, .	24.5	361
90	Real-Time Visualization of Solid-Phase Ion Migration Kinetics on Nanowire Monolayer. <i>Journal of the American Chemical Society</i> , 2020, 142, 7968-7975.	15.0	18

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91	Ultraviolet C lasing at 263 nm from Ba ₂ LaF ₇ :Yb ³⁺ , Tm ³⁺ upconversion nanocrystal microcavities. Optics Letters, 2020, 45, 5986.	3.0	11
92	Twining Poly(polyoxometalate) Chains into Nanoropes. Chemistry - A European Journal, 2019, 25, 13396-13401.	3.4	12
93	Coordination-Engineered Cu ^I Single-Site Catalyst for Enhancing Oxygen Reduction Reaction. ACS Applied Energy Materials, 2019, 2, 6497-6504.	5.4	73
94	Tailoring of the Proximity of Platinum Single Atoms on CeO ₂ Using Phosphorus Boosts the Hydrogenation Activity. ACS Catalysis, 2019, 9, 8404-8412.	12.4	135
95	Growth Processes of LuF ₃ Upconversion Nanoflakes with the Assistance of Amorphous Nanoclusters. ACS Applied Nano Materials, 2019, 2, 5254-5259.	5.3	3
96	Dynamic oxygen adsorption on single-atomic Ruthenium catalyst with high performance for acidic oxygen evolution reaction. Nature Communications, 2019, 10, .	13.9	631
97	Ambient Synthesis of Single-Atom Catalysts from Bulk Metal via Trapping of Atoms by Surface Dangling Bonds. Advanced Materials, 2019, 31, .	24.5	152
98	Liberating N-CNTs Confined Highly Dispersed Co _x N _x Sites for Selective Hydrogenation of Quinolines. Advanced Materials, 2019, 31, .	24.5	66
99	Reversing the charge transfer between platinum and sulfur-doped carbon support for electrocatalytic hydrogen evolution. Nature Communications, 2019, 10, .	13.9	406
100	Quasi Pd ₁ Ni single-atom surface alloy catalyst enables hydrogenation of nitriles to secondary amines. Nature Communications, 2019, 10, .	13.9	147
101	Cu,N-Codoped Carbon Nanodisks with Biomimic Stomata-Like Interconnected Hierarchical Porous Topology as Efficient Electrocatalyst for Oxygen Reduction Reaction. Small, 2019, 15, .	11.6	74
102	A sulfur-tethering synthesis strategy toward high-loading atomically dispersed noble metal catalysts. Science Advances, 2019, 5, .	11.0	252
103	Highly Active and Stable Metal Single-Atom Catalysts Achieved by Strong Electronic Metal-Support Interactions. Journal of the American Chemical Society, 2019, 141, 14515-14519.	15.0	679
104	Precisely Tuning the Number of Fe Atoms in Clusters on N-Doped Carbon toward Acidic Oxygen Reduction Reaction. Chem, 2019, 5, 2865-2878.	16.6	507
105	Self-assembled growth of Pd-Ni sub-microcages as a highly active and durable electrocatalyst. Journal of Materials Chemistry A, 2019, 7, 5179-5184.	9.3	12
106	Cobalt Phosphides Nanocrystals Encapsulated by P-Doped Carbon and Married with P-Doped Graphene for Overall Water Splitting. Small, 2019, 15, .	11.6	138
107	Nitrogen-Doped Carbon Nanotube Confined Co _x N _x Sites for Selective Hydrogenation of Biomass-Derived Compounds. Advanced Materials, 2019, 31, .	24.5	178
108	The role of oxygen vacancies in water oxidation for perovskite cobalt oxide electrocatalysts: are more better?. Chemical Communications, 2019, 55, 1442-1445.	3.4	148

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109	Two-Step Carbothermal Welding To Access Atomically Dispersed Pd ₁ on Three-Dimensional Zirconia Nanonet for Direct Indole Synthesis. <i>Journal of the American Chemical Society</i> , 2019, 141, 10590-10594.	15.0	132
110	Switching Co/N/C Catalysts for Heterogeneous Catalysis and Electrocatalysis by Controllable Pyrolysis of Cobalt Porphyrin. <i>IScience</i> , 2019, 15, 282-290.	3.6	24
111	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.	15.0	375
112	Lattice Disorder-Engineered Energy Splitting between Bright and Dark Excitons in CsPbBr ₃ Quantum Wires. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1355-1360.	4.2	6
113	High Phase Purity of Large-Sized 1Tâ€²â€²MoS ₂ Monolayers with 2D Superconductivity. <i>Advanced Materials</i> , 2019, 31, .	24.5	129
114	Insight of the stability and activity of platinum single atoms on ceria. <i>Nano Research</i> , 2019, 12, 1401-1409.	8.6	173
115	Construction of Pd/BiOCl Catalyst for Highly-Selective Synthesis of Benzoin Ethyl Ether by Chlorine Promoted Coupling Reaction. <i>ChemCatChem</i> , 2019, 11, 2676-2682.	3.6	6
116	2D MOF induced accessible and exclusive Co single sites for an efficient <i>O</i>-silylation of alcohols with silanes. <i>Chemical Communications</i> , 2019, 55, 6563-6566.	3.4	39
117	Structure and transport properties of titanium oxide (Ti ₂ O, TiO ₁₊ , and Ti ₃ O ₅) thin films. <i>Journal of Alloys and Compounds</i> , 2019, 786, 607-613.	6.0	42
118	Visible quantum dot light-emitting diodes with simultaneous high brightness and efficiency. <i>Nature Photonics</i> , 2019, 13, 192-197.	29.6	874
119	Interfacial engineering of Mo ₂ Câ€”Mo ₃ C ₂ heteronanowires for high performance hydrogen evolution reactions. <i>Nanoscale</i> , 2019, 11, 23318-23329.	5.0	64
120	Engineering the Electronic Structure of Submonolayer Pt on Intermetallic Pd ₃ Pb via Charge Transfer Boosts the Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2019, 141, 19964-19968.	15.0	129
121	A general synthesis approach for amorphous noble metal nanosheets. <i>Nature Communications</i> , 2019, 10, .	13.9	504
122	Regulating the coordination environment of Co single atoms for achieving efficient electrocatalytic activity in CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 234-240.	20.5	286
123	Triconstituent co-assembly to hierarchically porous carbons as high-performance anodes for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 771, 140-146.	6.0	8
124	Anisotropic Photoresponse of the Ultrathin GeSe Nanoplates Grown by Rapid Physical Vapor Deposition. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4123-4130.	8.0	67
125	Ultrasml Abundant Metal-Based Clusters as Oxygen-Evolving Catalysts. <i>Journal of the American Chemical Society</i> , 2019, 141, 232-239.	15.0	69
126	In-situ reactive loading of platinum onto tin oxide nanocrystals with superior catalytic performance for hydrogenation of 4-nitrophenol. <i>Applied Surface Science</i> , 2019, 471, 469-474.	6.7	16

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127	Solution Processing for Lateral Transition-Metal Dichalcogenides Homojunction from Polymorphic Crystal. <i>Journal of the American Chemical Society</i> , 2019, 141, 592-598.	15.0	35
128	Toward Understanding of the Support Effect on Pd ₁ Single-Atom-Catalyzed Hydrogenation Reactions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7922-7930.	3.1	78
129	Direct Identification of Surface Defects and Their Influence on the Optical Characteristics of Upconversion Nanoparticles. <i>ACS Nano</i> , 2018, 12, 3623-3628.	15.3	108
130	Plasma synthesis of Pt nanoparticles on 3D reduced graphene oxide-carbon nanotubes nanocomposites towards methanol oxidation reaction. <i>Applied Surface Science</i> , 2018, 450, 413-421.	6.7	41
131	Well-Coupled Nanohybrids Obtained by Component-Controlled Synthesis and in Situ Integration of Mn _x Pd _y Nanocrystals on Vulcan Carbon for Electrocatalytic Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8155-8164.	8.0	20
132	Self-Assembly of Achiral Shape Amphiphiles into Multi-Walled Nanotubes via Helicity-Selective Nucleation and Growth. <i>Chemistry - an Asian Journal</i> , 2018, 13, 775-779.	3.0	13
133	Embedding MnO@Mn ₃ O ₄ Nanoparticles in an N-Doped Carbon Framework Derived from Mn-Organic Clusters for Efficient Lithium Storage. <i>Advanced Materials</i> , 2018, 30, .	24.5	423
134	Hierarchical Porous Nanosheets Constructed by Graphene-Coated, Interconnected TiO ₂ Nanoparticles for Ultrafast Sodium Storage. <i>Advanced Materials</i> , 2018, 30, .	24.5	275
135	Active-Site-Enriched Iron-Doped Nickel/Cobalt Hydroxide Nanosheets for Enhanced Oxygen Evolution Reaction. <i>ACS Catalysis</i> , 2018, 8, 5382-5390.	12.4	381
136	Probing Exciton Complexes and Charge Distribution in Inkslab-Like WSe ₂ Homojunction. <i>ACS Nano</i> , 2018, 12, 4959-4967.	15.3	22
137	Hybrid 2D Dual-Metal-Organic Frameworks for Enhanced Water Oxidation Catalysis. <i>Advanced Functional Materials</i> , 2018, 28, .	17.0	660
138	A High-Speed and Low-Power Multistate Memory Based on Multiferroic Tunnel Junctions. <i>Advanced Electronic Materials</i> , 2018, 4, .	4.9	60
139	Grain boundaries modulating active sites in RhCo porous nanospheres for efficient CO ₂ hydrogenation. <i>Nano Research</i> , 2018, 11, 2357-2365.	8.6	28
140	Acid-Assisted Exfoliation toward Metallic Sub-nanopore TaS ₂ Monolayer with High Volumetric Capacitance. <i>Journal of the American Chemical Society</i> , 2018, 140, 493-498.	15.0	134
141	Defect-Rich Ni ₃ FeN Nanocrystals Anchored on N-Doped Graphene for Enhanced Electrocatalytic Oxygen Evolution. <i>Advanced Functional Materials</i> , 2018, 28, .	17.0	197
142	Synergistic effect of well-defined dual sites boosting the oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2018, 11, 3375-3379.	30.9	840
143	Direct View of Cr Atoms Doped in Anatase TiO ₂ (001) Thin Film. <i>Chinese Journal of Chemical Physics</i> , 2018, 31, 71-76.	1.1	4
144	Direct transformation of bulk copper into copper single sites via emitting and trapping of atoms. <i>Nature Catalysis</i> , 2018, 1, 781-786.	41.5	942

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