

Jin-Song Hu

List of Publications by Year in descending order

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227
papers

32,526
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32798
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of weak interlayer coupling in 2D layered GeS ₂ from theory to experiment. <i>Nano Research</i> , 2022, 15, 1013-1019.	5.8	11
2	Rational confinement engineering of MOF-derived carbon-based electrocatalysts toward CO ₂ reduction and O ₂ reduction reactions. <i>Informa Mater</i> , 2022, 4, .	8.5	58
3	Synergistic Electrocatalysts for Alkaline Hydrogen Oxidation and Evolution Reactions. <i>Advanced Functional Materials</i> , 2022, 32, 2107479.	7.8	66
4	Hole transporting materials in inorganic CsPbI ₃ ~Br solar cells: Fundamentals, criteria and opportunities. <i>Materials Today</i> , 2022, 52, 250-268.	8.3	20
5	Strain relaxation and domain enlargement via phase transition towards efficient CsPbI ₂ Br solar cells. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3513-3521.	5.2	11
6	Copper-nickel rubeanate metal-organic framework, a new highly stable and long active life nanocomposite for high-performance supercapacitors. <i>Journal of Materiomics</i> , 2022, 8, 843-851.	2.8	2
7	Boron-ethering and Regulative Electronic States Around Iridium Species for Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	35
8	Electrocatalytic Hydrogen Oxidation in Alkaline Media: From Mechanistic Insights to Catalyst Design. <i>ACS Nano</i> , 2022, 16, 5153-5183.	7.3	46
9	Solution-processed Ge(II)-based chalcogenide thin films with tunable bandgaps for photovoltaics. <i>Chemical Science</i> , 2022, 13, 5944-5950.	3.7	4
10	Nickel/cobalt/copper sulfide dodecahedral hollow multi-shelled structures, characterization, and application as a suitable nanomaterial for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2022, 420, 140437.	2.6	5
11	Coordination anchoring synthesis of high-density single-metal-atom sites for electrocatalysis. <i>Coordination Chemistry Reviews</i> , 2022, 466, 214603.	9.5	21
12	Rational design of integrated electrodes for advancing high-rate alkaline electrolytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12764-12787.	5.2	10
13	Regulating surface In-O in In@InO core-shell nanoparticles for boosting electrocatalytic CO ₂ reduction to formate. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1674-1679.	6.9	17
14	Crystallization Kinetics Modulation of FASn ₃ Films with Pre-nucleation Clusters for Efficient Lead-Free Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3693-3698.	7.2	80
15	A sulfur-rich small molecule as a bifunctional interfacial layer for stable perovskite solar cells with efficiencies exceeding 22%. <i>Nano Energy</i> , 2021, 79, 105462.	8.2	72
16	Crystallization Kinetics Modulation of FASn ₃ Films with Pre-nucleation Clusters for Efficient Lead-Free Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2021, 133, 3737-3742.	1.6	20
17	In-plane anisotropic 2D Ge-based binary materials for optoelectronic applications. <i>Chemical Communications</i> , 2021, 57, 565-575.	2.2	19
18	An antibonding valence band maximum enables defect-tolerant and stable GeSe photovoltaics. <i>Nature Communications</i> , 2021, 12, 670.	5.8	58

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19	Multi-Phase Heterostructure of CoNiP/Co _x P for Enhanced Hydrogen Evolution Under Alkaline and Seawater Conditions by Promoting H ₂ O Dissociation. <i>Small</i> , 2021, 17, e2007557.	5.2	83
20	Strain in perovskite solar cells: origins, impacts and regulation. <i>National Science Review</i> , 2021, 8, nwab047.	4.6	127
21	Recent Advances on Nonprecious-Metal-Based Bifunctional Oxygen Electrocatalysts for Zinc-Air Batteries. <i>Energy & Fuels</i> , 2021, 35, 6380-6401.	2.5	48
22	Regulating Fe-spin state by atomically dispersed Mn-N in Fe-N-C catalysts with high oxygen reduction activity. <i>Nature Communications</i> , 2021, 12, 1734.	5.8	488
23	Boosting the efficiency of GeSe solar cells by low-temperature treatment of p-n junction. <i>Science China Materials</i> , 2021, 64, 2118-2126.	3.5	24
24	Electrical Loss Management by Molecularly Manipulating Dopant-free Poly(3-hexylthiophene) towards 16.93% CsPbI ₂ Br Solar Cells. <i>Angewandte Chemie</i> , 2021, 133, 16524-16529.	1.6	18
25	Electrical Loss Management by Molecularly Manipulating Dopant-free Poly(3-hexylthiophene) towards 16.93% CsPbI ₂ Br Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16388-16393.	7.2	57
26	Molecular Linking Stabilizes Bi Nanoparticles for Efficient Electrochemical Carbon Dioxide Reduction. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12699-12706.	1.5	6
27	Interfacial Strain Engineering in Wide-Bandgap GeS Thin Films for Photovoltaics. <i>Journal of the American Chemical Society</i> , 2021, 143, 9664-9671.	6.6	36
28	Carrier management makes perovskite solar cells approaching Shockley-Queisser limit. <i>Science Bulletin</i> , 2021, 66, 1372-1374.	4.3	12
29	Well-defined heteronuclear bimetallic atomic clusters: Emerging electrocatalysts. <i>Fundamental Research</i> , 2021, 1, 461-465.	1.6	10
30	Selective Se doping of NiFe ₂ O ₄ on an active NiOOH scaffold for efficient and robust water oxidation. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1395-1403.	6.9	51
31	Engineering carbon-shells of M@NC bifunctional oxygen electrocatalyst towards stable aqueous rechargeable Zn-air batteries. <i>Chemical Engineering Journal</i> , 2021, 418, 129409.	6.6	35
32	Confinement Strategies for Precise Synthesis of Efficient Electrocatalysts from the Macroscopic to the Atomic Level. <i>Accounts of Materials Research</i> , 2021, 2, 907-919.	5.9	46
33	Dual-Sites Tandem Catalysts for C-N Bond Formation via Electrocatalytic Coupling of CO ₂ and Nitrogenous Small Molecules. <i>Chemical Communications</i> , 2021, 3, 1468-1476.		50
34	Boosting Nitrogen Reduction to Ammonia on FeN ₄ Sites by Atomic Spin Regulation. <i>Advanced Science</i> , 2021, 8, e2102915.	5.6	64
35	Surface reconstruction on silver nanoparticles decorated trimetallic hydroxide nanosheets to generate highly active oxygen-deficient (oxy)hydroxide layer for high-efficient water oxidation. <i>Chemical Engineering Journal</i> , 2021, 425, 131662.	6.6	19
36	MWCNT-mesoporous silica nanocomposites inserted in a polyhedral metal-organic framework as an advanced hybrid material for energy storage device. <i>New Journal of Chemistry</i> , 2021, 45, 18090-18101.	1.4	4

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37	Engineering inorganic lead halide perovskite deposition toward solar cells with efficiency approaching 20%. <i>Aggregate</i> , 2021, 2, 66-83.	5.2	24
38	Regulating the crystalline phase of intermediate films enables FA _{1-x} MA _x PbI ₃ perovskite solar cells with efficiency over 22%. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24064-24070.	5.2	20
39	Investigation of the sublimation mechanism of GeSe and GeS. <i>Chemical Communications</i> , 2021, 57, 11461-11464.	2.2	5
40	Molecular Engineering for Bottom-Up Construction of High-Performance Non-Precious-Metal Electrocatalysts with Well-Defined Active Sites. <i>Journal of Physical Chemistry C</i> , 2021, 125, 22397-22420.	1.5	17
41	Steering elementary steps towards efficient alkaline hydrogen evolution via size-dependent Ni/NiO nanoscale heterosurfaces. <i>National Science Review</i> , 2020, 7, 27-36.	4.6	192
42	Strain-engineering the in-plane electrical anisotropy of GeSe monolayers. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 914-918.	1.3	16
43	GeSe thin-film solar cells. <i>Materials Chemistry Frontiers</i> , 2020, 4, 775-787.	3.2	75
44	Advanced transition metal/nitrogen/carbon-based electrocatalysts for fuel cell applications. <i>Science China Chemistry</i> , 2020, 63, 1517-1542.	4.2	56
45	Molecularly Engineered Strong Metal Oxide Support Interaction Enables Highly Efficient and Stable CO ₂ Electroreduction. <i>ACS Catalysis</i> , 2020, 10, 13227-13235.	5.5	94
46	Sustainable synthesis of supported metal nanocatalysts for electrochemical hydrogen evolution. <i>Chinese Journal of Catalysis</i> , 2020, 41, 1791-1811.	6.9	80
47	Regulating the charge diffusion of two-dimensional cobalt-iron hydroxide/graphene composites for high-rate water oxidation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11573-11581.	5.2	18
48	Synergistic Modulation of Non-Precious-Metal Electrocatalysts for Advanced Water Splitting. <i>Accounts of Chemical Research</i> , 2020, 53, 1111-1123.	7.6	315
49	Metastable Rock Salt Oxide-Mediated Synthesis of High-Density Dual-Protected M@NC for Long-Life Rechargeable Zinc-Air Batteries with Record Power Density. <i>Journal of the American Chemical Society</i> , 2020, 142, 7116-7127.	6.6	147
50	Mesoporous carbon confined intermetallic nanoparticles as highly durable electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15822-15828.	5.2	58
51	Regulating strain in perovskite thin films through charge-transport layers. <i>Nature Communications</i> , 2020, 11, 1514.	5.8	346
52	Microscopic investigations on the surface-state dependent moisture stability of a hybrid perovskite. <i>Nanoscale</i> , 2020, 12, 7759-7765.	2.8	12
53	Rationally Designed Three-Dimensional N-Doped Graphene Architecture Mounted with Ru Nanoclusters as a High-Performance Air Cathode for Lithium-Oxygen Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6109-6117.	3.2	28
54	Molecular Evidence for Metallic Cobalt Boosting CO ₂ Electroreduction on Pyridinic Nitrogen. <i>Angewandte Chemie</i> , 2020, 132, 4944-4949.	1.6	29

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55	Room-Temperature Solution-Processed PbS Quantum Dot Solar Cells. Chinese Journal of Chemistry, 2020, 38, 356-360.	2.6	6
56	Phosphorus-doping activates carbon nanotubes for efficient electroreduction of nitrogen to ammonia. Nano Research, 2020, 13, 1376-1382.	5.8	61
57	Molecular Evidence for Metallic Cobalt Boosting CO ₂ Electroreduction on Pyridinic Nitrogen. Angewandte Chemie - International Edition, 2020, 59, 4914-4919.	7.2	126
58	Organic Small Molecule Activates Transition Metal Foam for Efficient Oxygen Evolution Reaction. Advanced Materials, 2020, 32, e1906015.	11.1	56
59	Fe-doped Co ₃ O ₄ polycrystalline nanosheets as a binder-free bifunctional cathode for robust and efficient zinc-air batteries. Chemical Communications, 2020, 56, 5374-5377.	2.2	36
60	Engineering Mo/Mo ₂ /MoC hetero-interfaces for enhanced electrocatalytic nitrogen reduction. Journal of Materials Chemistry A, 2020, 8, 8920-8926.	5.2	54
61	Self-Catalyzed Growth of Co-N-C Nanobrushes for Efficient Rechargeable Zn-Air Batteries. Small, 2020, 16, e2001171.	5.2	84
62	High-Efficiency CsPb ₂ Br Perovskite Solar Cells with Dopant-Free Poly(3-hexylthiophene) Hole Transporting Layers. Advanced Energy Materials, 2020, 10, 2000501.	10.2	69
63	Progress in the Mechanisms and Materials for CO ₂ Electroreduction toward C ₂ + Products. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, 36, 1906085-0.	2.2	38
64	Recent Progress in Proton-Exchange Membrane Fuel Cells Based on Metal-Nitrogen-Carbon Catalysts. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	21
65	Autogenous Growth of Hierarchical NiFe(OH) _x /FeS Nanosheet-on-Microsheet Arrays for Synergistically Enhanced High-Output Water Oxidation. Advanced Functional Materials, 2019, 29, 1902180.	7.8	179
66	Pore-structure-directed CO ₂ electroreduction to formate on SnO ₂ /C catalysts. Journal of Materials Chemistry A, 2019, 7, 18428-18433.	5.2	59
67	Identification of FeN ₄ as an Efficient Active Site for Electrochemical N ₂ Reduction. ACS Catalysis, 2019, 9, 7311-7317.	5.5	220
68	Investigation of Oxygen Passivation for High-Performance All-Inorganic Perovskite Solar Cells. Journal of the American Chemical Society, 2019, 141, 18075-18082.	6.6	120
69	Room-Temperature Sustainable Synthesis of Selected Platinum Group Metal (PGM = Ir, Rh, and Ru) Nanocatalysts Well-Dispersed on Porous Carbon for Efficient Hydrogen Evolution and Oxidation. Small, 2019, 15, e1903057.	5.2	93
70	Hetero-coupling of a carbonate hydroxide and sulfide for efficient and robust water oxidation. Journal of Materials Chemistry A, 2019, 7, 21959-21965.	5.2	28
71	Fe/P dual doping boosts the activity and durability of CoS ₂ polycrystalline nanowires for hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 5195-5200.	5.2	78
72	Three-Dimensional Optical Anisotropy of Low-Symmetry Layered GeS. ACS Applied Materials & Interfaces, 2019, 11, 24247-24253.	4.0	27

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73	Temperature-Dependent Local Electrical Properties of Organic-Inorganic Halide Perovskites: In Situ KPFM and c-AFM Investigation. ACS Applied Materials & Interfaces, 2019, 11, 21627-21633.	4.0	42
74	A Rutile TiO ₂ Electron Transport Layer for the Enhancement of Charge Collection for Efficient Perovskite Solar Cells. Angewandte Chemie, 2019, 131, 9514-9518.	1.6	10
75	A Rutile TiO ₂ Electron Transport Layer for the Enhancement of Charge Collection for Efficient Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 9414-9418.	7.2	124
76	Cascade anchoring strategy for general mass production of high-loading single-atomic metal-nitrogen catalysts. Nature Communications, 2019, 10, 1278.	5.8	591
77	NiS ₂ nanodotted carnation-like CoS ₂ for enhanced electrocatalytic water splitting. Chemical Communications, 2019, 55, 3781-3784.	2.2	56
78	Chemical state of surrounding iron species affects the activity of Fe-Nx for electrocatalytic oxygen reduction. Applied Catalysis B: Environmental, 2019, 251, 240-246.	10.8	101
79	Single-Crystalline Nanosheets of Hybrid Perovskite Fabricated by a Vapor-Solution Sequential Deposition Route. Journal of Nanoscience and Nanotechnology, 2019, 19, 3669-3672.	0.9	0
80	Se-Doping Activates FeOOH for Cost-Effective and Efficient Electrochemical Water Oxidation. Journal of the American Chemical Society, 2019, 141, 7005-7013.	6.6	460
81	Synergy Effect of Both 2,2,2-Trifluoroethylamine Hydrochloride and SnF ₂ for Highly Stable FASn ₃ Cl Perovskite Solar Cells. Solar Rrl, 2019, 3, 1800290.	3.1	45
82	Polarization-Sensitive Ultraviolet Photodetection of Anisotropic 2D GeS ₂ . Advanced Functional Materials, 2019, 29, 1900411.	7.8	120
83	Negligible Pb-Waste and Upscalable Perovskite Deposition Technology for High-Operational Stability Perovskite Solar Modules. Advanced Energy Materials, 2019, 9, 1803047.	10.2	68
84	Weak Interlayer Interaction in 2D Anisotropic GeSe ₂ . Advanced Science, 2019, 6, 1801810.	5.6	40
85	Band engineering of Ag-Bi ₁₂ GeO ₂₀ -Bi ₂ WO ₆ composite photocatalyst: Interface regulation and enhanced photocatalytic performance. Ceramics International, 2019, 45, 5249-5258.	2.3	14
86	Fully Air-Bladed High-Efficiency Perovskite Photovoltaics. Joule, 2019, 3, 402-416.	11.7	119
87	High-Mobility Hydrophobic Conjugated Polymer as Effective Interlayer for Air-Stable Efficient Perovskite Solar Cells (Solar RRL 1 st 2019). Solar Rrl, 2019, 3, 1970015.	3.1	1
88	Strain-engineering the anisotropic electrical properties of low-symmetry bilayer GeSe. Journal of Applied Physics, 2019, 125, .	1.1	5
89	High-Mobility Hydrophobic Conjugated Polymer as Effective Interlayer for Air-Stable Efficient Perovskite Solar Cells. Solar Rrl, 2019, 3, 1800232.	3.1	36
90	Phase-Controlled Synthesis of 1T-MoSe ₂ /NiSe Heterostructure Nanowire Arrays via Electronic Injection for Synergistically Enhanced Hydrogen Evolution. Small Methods, 2019, 3, 1800317.	4.6	67

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91	When MoS ₂ meets FeOOH: A “one-stone-two-birds”™™ heterostructure as a bifunctional electrocatalyst for efficient alkaline water splitting. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 1004-1012.	10.8	144
92	In-plane Optical Anisotropy of Low-symmetry 2D GeSe. <i>Advanced Optical Materials</i> , 2019, 7, 1801311.	3.6	68
93	Air-Stable In-Plane Anisotropic GeSe ₂ for Highly Polarization-Sensitive Photodetection in Short Wave Region. <i>Journal of the American Chemical Society</i> , 2018, 140, 4150-4156.	6.6	180
94	Particle-in-box nanostructured materials created via spatially confined pyrolysis as high performance bifunctional catalysts for electrochemical overall water splitting. <i>Nano Energy</i> , 2018, 48, 489-499.	8.2	90
95	Highly Boosted Microbial Extracellular Electron Transfer by Semiconductor Nanowire Array with Suitable Energy Level. <i>Advanced Functional Materials</i> , 2018, 28, 1707408.	7.8	17
96	Electrochemical Responsive Superhydrophilic Surfaces of Polythiophene Derivatives towards Cell Capture and Release. <i>ChemPhysChem</i> , 2018, 19, 2046-2051.	1.0	13
97	Highly π -extended copolymer as additive-free hole-transport material for perovskite solar cells. <i>Nano Research</i> , 2018, 11, 185-194.	5.8	24
98	In situ transformation of Cu ₂ O@MnO ₂ to Cu@Mn(OH) ₂ nanosheet-on-nanowire arrays for efficient hydrogen evolution. <i>Nano Research</i> , 2018, 11, 1798-1809.	5.8	37
99	Self-terminated activation for high-yield production of N,P-codoped nanoporous carbon as an efficient metal-free electrocatalyst for Zn-air battery. <i>Carbon</i> , 2018, 128, 97-105.	5.4	69
100	From biological enzyme to single atomic Fe-N-C electrocatalyst for efficient oxygen reduction. <i>Chemical Communications</i> , 2018, 54, 1307-1310.	2.2	50
101	Congeneric Incorporation of CsPbBr ₃ Nanocrystals in a Hybrid Perovskite Heterojunction for Photovoltaic Efficiency Enhancement. <i>ACS Energy Letters</i> , 2018, 3, 30-38.	8.8	106
102	Kinetically Controlled Coprecipitation for General Fast Synthesis of Sandwiched Metal Hydroxide Nanosheets/Graphene Composites toward Efficient Water Splitting. <i>Advanced Functional Materials</i> , 2018, 28, 1704594.	7.8	91
103	3D nanoporous Ni/V ₂ O ₃ hybrid nanoplate assemblies for highly efficient electrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21452-21457.	5.2	38
104	Strain-engineering the electronic properties and anisotropy of GeSe ₂ monolayers. <i>RSC Advances</i> , 2018, 8, 33445-33450.	1.7	9
105	Bimetal Prussian Blue as a Continuously Variable Platform for Investigating the Composition-Activity Relationship of Phosphides-Based Electrocatalysts for Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35904-35910.	4.0	28
106	Tuning the Optical Absorption Property of GeSe Thin Films by Annealing Treatment. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800370.	1.2	12
107	Carrier Dynamics Engineering for High-Performance Electron-Transport-Layer-free Perovskite Photovoltaics. <i>CheM</i> , 2018, 4, 2405-2417.	5.8	57
108	Scalable Solid-State Synthesis of Highly Dispersed Uncapped Metal (Rh, Ru, Ir) Nanoparticles for Efficient Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2018, 8, 1801698.	10.2	149

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109	Self-supported metal sulphide nanocrystals-assembled nanosheets on carbon paper as efficient counter electrodes for quantum-dot-sensitized solar cells. <i>Science China Chemistry</i> , 2018, 61, 1338-1344.	4.2	7
110	Self-Limited on-Site Conversion of MoO ₃ Nanodots into Vertically Aligned Ultrasmall Monolayer MoS ₂ for Efficient Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2018, 8, 1800734.	10.2	112
111	A Two-Dimensional Hole-Transporting Material for High-Performance Perovskite Solar Cells with 20% Average Efficiency. <i>Angewandte Chemie</i> , 2018, 130, 11125-11131.	1.6	25
112	A Two-Dimensional Hole-Transporting Material for High-Performance Perovskite Solar Cells with 20% Average Efficiency. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10959-10965.	7.2	127
113	Scalable solid-state synthesis of coralline-like nanostructured Co@CoNC electrocatalyst for Zn-air batteries. <i>Chemical Communications</i> , 2018, 54, 8190-8193.	2.2	23
114	Hydrogen Evolution: Self-Limited on-Site Conversion of MoO ₃ Nanodots into Vertically Aligned Ultrasmall Monolayer MoS ₂ for Efficient Hydrogen Evolution (<i>Adv. Energy Mater.</i> 21/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870098.	10.2	1
115	Manipulation of facet orientation in hybrid perovskite polycrystalline films by cation cascade. <i>Nature Communications</i> , 2018, 9, 2793.	5.8	189
116	Thermodynamically Stable Orthorhombic $\text{I}^3\text{-CsPbI}_3$ Thin Films for High-Performance Photovoltaics. <i>Journal of the American Chemical Society</i> , 2018, 140, 11716-11725.	6.6	308
117	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.	6.6	223
118	Size and Electronic Modulation of Iridium Nanoparticles on Nitrogen-Functionalized Carbon toward Advanced Electrocatalysts for Alkaline Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22340-22347.	4.0	43
119	Alloying Strategy in Cu-In-Ga-Se Quantum Dots for High Efficiency Quantum Dot Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5328-5336.	4.0	87
120	Lamellar Metal Organic Framework-Derived Fe-N-C Non-Noble Electrocatalysts with Bimodal Porosity for Efficient Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5272-5278.	4.0	95
121	Tuning the branches and composition of PtCu nanodendrites through underpotential deposition of Cu towards advanced electrocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9014-9021.	5.2	55
122	Facile and Scalable Synthesis of Robust Ni(OH) ₂ Nanoplate Arrays on NiAl Foil as Hierarchical Active Scaffold for Highly Efficient Overall Water Splitting. <i>Advanced Science</i> , 2017, 4, 1700084.	5.6	85
123	Crystallinity-Modulated Electrocatalytic Activity of a Nickel(II) Borate Thin Layer on Ni ₃ B for Efficient Water Oxidation. <i>Angewandte Chemie</i> , 2017, 129, 6672-6677.	1.6	34
124	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.	7.2	271
125	Bilayer PbS Quantum Dots for High-Performance Photodetectors. <i>Advanced Materials</i> , 2017, 29, 1702055.	11.1	189
126	Investigation of Physical and Electronic Properties of GeSe for Photovoltaic Applications. <i>Advanced Electronic Materials</i> , 2017, 3, 1700141.	2.6	81

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127	Electronic and Morphological Dual Modulation of Cobalt Carbonate Hydroxides by Mn Doping toward Highly Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. <i>Journal of the American Chemical Society</i> , 2017, 139, 8320-8328.	6.6	745
128	Facile Synthesis of Mo_2C Nanocrystals Embedded in Nanoporous Carbon Network for Efficient Hydrogen Evolution. <i>Chinese Journal of Chemistry</i> , 2017, 35, 911-917.	2.6	12
129	Low-temperature aqueous solution processed ZnO as an electron transporting layer for efficient perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2017, 1, 802-806.	3.2	25
130	Three-dimensional nanostructured electrodes for efficient quantum-dot-sensitized solar cells. <i>Nano Energy</i> , 2017, 32, 130-156.	8.2	73
131	GeSe Thin-Film Solar Cells Fabricated by Self-Regulated Rapid Thermal Sublimation. <i>Journal of the American Chemical Society</i> , 2017, 139, 958-965.	6.6	238
132	Encased Copper Boosts the Electrocatalytic Activity of N-Doped Carbon Nanotubes for Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36857-36864.	4.0	75
133	Additive engineering for high-performance room-temperature-processed perovskite absorbers with micron-size grains and microsecond-range carrier lifetimes. <i>Energy and Environmental Science</i> , 2017, 10, 2365-2371.	15.6	157
134	Microbial-Phosphorus-Enabled Synthesis of Phosphide Nanocomposites for Efficient Electrocatalysts. <i>Journal of the American Chemical Society</i> , 2017, 139, 11248-11253.	6.6	70
135	Well-Defined Mo_6 in Metal-Catecholates as a Novel Active Site for Oxygen Electroreduction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28473-28477.	4.0	63
136	Self-Templated Fabrication of $\text{MoNi}_4/\text{MoO}_3$ Nanorod Arrays with Dual Active Components for Highly Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1703311.	11.1	437
137	Enhancing Electron and Hole Extractions for Efficient PbS Quantum Dot Solar Cells. <i>Solar Rrl</i> , 2017, 1, 1700176.	3.1	12
138	Co@N-CNTs derived from triple-role CoAl-layered double hydroxide as an efficient catalyst for oxygen reduction reaction. <i>Carbon</i> , 2016, 107, 162-170.	5.4	60
139	MoS_2/CdS Nanosheets-on-Nanorod Heterostructure for Highly Efficient Photocatalytic H_2 Generation under Visible Light Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15258-15266.	4.0	426
140	Sodium chloride-assisted green synthesis of a 3D Fe-N-C hybrid as a highly active electrocatalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7781-7787.	5.2	88
141	Influence of N-Dimethylformamide Annealing on the Local Electrical Properties of Organometal Halide Perovskite Solar Cells: an Atomic Force Microscopy Investigation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26002-26007.	4.0	39
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