

# Jin-Song Hu

## List of Publications by Year in descending order

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227  
papers

32,526  
citations

4658

85  
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4015

176  
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236  
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236  
docs citations

236  
times ranked

32798  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of weak interlayer coupling in 2D layered GeS <sub>2</sub> from theory to experiment. Nano Research, 2022, 15, 1013-1019.	10.4	11
2	Rational confinement engineering of MOF-derived carbon-based electrocatalysts toward CO <sub>2</sub> reduction and O <sub>2</sub> reduction reactions. Information Materials, 2022, 4, .	17.3	58
3	Synergistic Electrocatalysts for Alkaline Hydrogen Oxidation and Evolution Reactions. Advanced Functional Materials, 2022, 32, 2107479.	14.9	66
4	Hole transporting materials in inorganic CsPbI <sub>3</sub> ~Br solar cells: Fundamentals, criteria and opportunities. Materials Today, 2022, 52, 250-268.	14.2	20
5	Strain relaxation and domain enlargement via phase transition towards efficient CsPbI <sub>2</sub> Br solar cells. Journal of Materials Chemistry A, 2022, 10, 3513-3521.	10.3	11
6	Copper-nickel rubeanate metal-organic framework, a new highly stable and long active life nanocomposite for high-performance supercapacitors. Journal of Materials, 2022, 8, 843-851.	5.7	2
7	Boron-Tethering and Regulative Electronic States Around Iridium Species for Hydrogen Evolution. Advanced Functional Materials, 2022, 32, .	14.9	35
8	Electrocatalytic Hydrogen Oxidation in Alkaline Media: From Mechanistic Insights to Catalyst Design. ACS Nano, 2022, 16, 5153-5183.	14.6	46
9	Solution-processed Ge(ii)-based chalcogenide thin films with tunable bandgaps for photovoltaics. Chemical Science, 2022, 13, 5944-5950.	7.4	4
10	Nickel/cobalt/copper sulfide dodecahedral hollow multi-shelled structures, characterization, and application as a suitable nanomaterial for high-performance supercapacitors. Electrochimica Acta, 2022, 420, 140437.	5.2	5
11	Coordination anchoring synthesis of high-density single-metal-atom sites for electrocatalysis. Coordination Chemistry Reviews, 2022, 466, 214603.	18.8	21
12	Rational design of integrated electrodes for advancing high-rate alkaline electrolytic hydrogen production. Journal of Materials Chemistry A, 2022, 10, 12764-12787.	10.3	10
13	Regulating surface In-O in In@InO core-shell nanoparticles for boosting electrocatalytic CO <sub>2</sub> reduction to formate. Chinese Journal of Catalysis, 2022, 43, 1674-1679.	14.0	17
14	Crystallization Kinetics Modulation of FASn <sub>3</sub> Films with Pre-nucleation Clusters for Efficient Lead-Free Perovskite Solar Cells. Angewandte Chemie - International Edition, 2021, 60, 3693-3698.	13.8	80
15	A sulfur-rich small molecule as a bifunctional interfacial layer for stable perovskite solar cells with efficiencies exceeding 22%. Nano Energy, 2021, 79, 105462.	16.0	72
16	Crystallization Kinetics Modulation of FASn <sub>3</sub> Films with Pre-nucleation Clusters for Efficient Lead-Free Perovskite Solar Cells. Angewandte Chemie, 2021, 133, 3737-3742.	2.0	20
17	In-plane anisotropic 2D Ge-based binary materials for optoelectronic applications. Chemical Communications, 2021, 57, 565-575.	4.1	19
18	An antibonding valence band maximum enables defect-tolerant and stable GeSe photovoltaics. Nature Communications, 2021, 12, 670.	12.8	58

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19	Multi-Phase Heterostructure of CoNiP/Co <sub>x</sub> P for Enhanced Hydrogen Evolution Under Alkaline and Seawater Conditions by Promoting H <sub>2</sub> O Dissociation. <i>Small</i> , 2021, 17, e2007557.	10.0	83
20	Strain in perovskite solar cells: origins, impacts and regulation. <i>National Science Review</i> , 2021, 8, nwab047.	9.5	127
21	Recent Advances on Nonprecious-Metal-Based Bifunctional Oxygen Electrocatalysts for Zinc-Air Batteries. <i>Energy &amp; Fuels</i> , 2021, 35, 6380-6401.	5.1	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.	12.8	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.	6.3	24
24	Electrical Loss Management by Molecularly Manipulating Dopant-free Poly(3-hexylthiophene) towards 16.93% CsPbI <sub>2</sub> Br Solar Cells. <i>Angewandte Chemie</i> , 2021, 133, 16524-16529.	2.0	18
25	Electrical Loss Management by Molecularly Manipulating Dopant-free Poly(3-hexylthiophene) towards 16.93% CsPbI <sub>2</sub> Br Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16388-16393.	13.8	57
26	Molecular Linking Stabilizes Bi Nanoparticles for Efficient Electrochemical Carbon Dioxide Reduction. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12699-12706.	3.1	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.	13.7	36
28	Carrier management makes perovskite solar cells approaching Shockley-Queisser limit. <i>Science Bulletin</i> , 2021, 66, 1372-1374.	9.0	12
29	Well-defined heteronuclear bimetallic atomic clusters: Emerging electrocatalysts. <i>Fundamental Research</i> , 2021, 1, 461-465.	3.3	10
30	Selective Se doping of NiFe <sub>2</sub> O <sub>4</sub> on an active NiOOH scaffold for efficient and robust water oxidation. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1395-1403.	14.0	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.	12.7	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.	11.7	46
33	Dual-Sites Tandem Catalysts for C-N Bond Formation via Electrocatalytic Coupling of CO <sub>2</sub> and Nitrogenous Small Molecules. , 2021, 3, 1468-1476.		50
34	Boosting Nitrogen Reduction to Ammonia on FeN <sub>4</sub> Sites by Atomic Spin Regulation. <i>Advanced Science</i> , 2021, 8, e2102915.	11.2	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.	12.7	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.	2.8	4

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37	Engineering inorganic lead halide perovskite deposition toward solar cells with efficiency approaching 20%. Aggregate, 2021, 2, 66-83.	9.9	24
38	Regulating the crystalline phase of intermediate films enables FA <sub>1-x</sub> MA <sub>x</sub> PbI <sub>3</sub> perovskite solar cells with efficiency over 22%. Journal of Materials Chemistry A, 2021, 9, 24064-24070.	10.3	20
39	Investigation of the sublimation mechanism of GeSe and GeS. Chemical Communications, 2021, 57, 11461-11464.	4.1	5
40	Molecular Engineering for Bottom-Up Construction of High-Performance Non-Precious-Metal Electrocatalysts with Well-Defined Active Sites. Journal of Physical Chemistry C, 2021, 125, 22397-22420.	3.1	17
41	Steering elementary steps towards efficient alkaline hydrogen evolution via size-dependent Ni/NiO nanoscale heterosurfaces. National Science Review, 2020, 7, 27-36.	9.5	192
42	Strain-engineering the in-plane electrical anisotropy of GeSe monolayers. Physical Chemistry Chemical Physics, 2020, 22, 914-918.	2.8	16
43	GeSe thin-film solar cells. Materials Chemistry Frontiers, 2020, 4, 775-787.	5.9	75
44	Advanced transition metal/nitrogen/carbon-based electrocatalysts for fuel cell applications. Science China Chemistry, 2020, 63, 1517-1542.	8.2	56
45	Molecularly Engineered Strong Metal Oxide-Support Interaction Enables Highly Efficient and Stable CO <sub>2</sub> Electroreduction. ACS Catalysis, 2020, 10, 13227-13235.	11.2	94
46	Sustainable synthesis of supported metal nanocatalysts for electrochemical hydrogen evolution. Chinese Journal of Catalysis, 2020, 41, 1791-1811.	14.0	80
47	Regulating the charge diffusion of two-dimensional cobalt-iron hydroxide/graphene composites for high-rate water oxidation. Journal of Materials Chemistry A, 2020, 8, 11573-11581.	10.3	18
48	Synergistic Modulation of Non-Precious-Metal Electrocatalysts for Advanced Water Splitting. Accounts of Chemical Research, 2020, 53, 1111-1123.	15.6	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. Journal of the American Chemical Society, 2020, 142, 7116-7127.	13.7	147
50	Mesoporous carbon confined intermetallic nanoparticles as highly durable electrocatalysts for the oxygen reduction reaction. Journal of Materials Chemistry A, 2020, 8, 15822-15828.	10.3	58
51	Regulating strain in perovskite thin films through charge-transport layers. Nature Communications, 2020, 11, 1514.	12.8	346
52	Microscopic investigations on the surface-state dependent moisture stability of a hybrid perovskite. Nanoscale, 2020, 12, 7759-7765.	5.6	12
53	Rationally Designed Three-Dimensional N-Doped Graphene Architecture Mounted with Ru Nanoclusters as a High-Performance Air Cathode for Lithium-Oxygen Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 6109-6117.	6.7	28
54	Molecular Evidence for Metallic Cobalt Boosting CO <sub>2</sub> Electroreduction on Pyridinic Nitrogen. Angewandte Chemie, 2020, 132, 4944-4949.	2.0	29

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55	Room-Temperature Solution-Processed PbS Quantum Dot Solar Cells. Chinese Journal of Chemistry, 2020, 38, 356-360.	4.9	6
56	Phosphorus-doping activates carbon nanotubes for efficient electroreduction of nitrogen to ammonia. Nano Research, 2020, 13, 1376-1382.	10.4	61
57	Molecular Evidence for Metallic Cobalt Boosting CO <sub>2</sub> Electroreduction on Pyridinic Nitrogen. Angewandte Chemie - International Edition, 2020, 59, 4914-4919.	13.8	126
58	Organic Small Molecule Activates Transition Metal Foam for Efficient Oxygen Evolution Reaction. Advanced Materials, 2020, 32, e1906015.	21.0	56
59	Fe-doped Co <sub>3</sub> O <sub>4</sub> polycrystalline nanosheets as a binder-free bifunctional cathode for robust and efficient zinc-air batteries. Chemical Communications, 2020, 56, 5374-5377.	4.1	36
60	Engineering Mo/Mo <sub>2</sub> C/MoC hetero-interfaces for enhanced electrocatalytic nitrogen reduction. Journal of Materials Chemistry A, 2020, 8, 8920-8926.	10.3	54
61	Self-Catalyzed Growth of Co-N-C Nanobrushes for Efficient Rechargeable Zn-Air Batteries. Small, 2020, 16, e2001171.	10.0	84
62	High-Efficiency CsPbI <sub>2</sub> Br Perovskite Solar Cells with Dopant-Free Poly(3-hexylthiophene) Hole Transporting Layers. Advanced Energy Materials, 2020, 10, 2000501.	19.5	69
63	Progress in the Mechanisms and Materials for CO <sub>2</sub> Electroreduction toward C <sub>2</sub> + Products. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, 36, 1906085-0.	4.9	38
64	Recent Progress in Proton-Exchange Membrane Fuel Cells Based on Metal-Nitrogen-Carbon Catalysts. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	4.9	21
65	Autogenous Growth of Hierarchical NiFe(OH) <sub>x</sub> /FeS Nanosheet-on-Microsheet Arrays for Synergistically Enhanced High-Output Water Oxidation. Advanced Functional Materials, 2019, 29, 1902180.	14.9	179
66	Pore-structure-directed CO <sub>2</sub> electroreduction to formate on SnO <sub>2</sub> /C catalysts. Journal of Materials Chemistry A, 2019, 7, 18428-18433.	10.3	59
67	Identification of FeN <sub>4</sub> as an Efficient Active Site for Electrochemical N <sub>2</sub> Reduction. ACS Catalysis, 2019, 9, 7311-7317.	11.2	220
68	Investigation of Oxygen Passivation for High-Performance All-Inorganic Perovskite Solar Cells. Journal of the American Chemical Society, 2019, 141, 18075-18082.	13.7	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.	10.0	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.	10.3	28
71	Fe/P dual doping boosts the activity and durability of CoS <sub>2</sub> polycrystalline nanowires for hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 5195-5200.	10.3	78
72	Three-Dimensional Optical Anisotropy of Low-Symmetry Layered GeS. ACS Applied Materials & Interfaces, 2019, 11, 24247-24253.	8.0	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.	8.0	42
74	A Rutile TiO <sub>2</sub> Electron Transport Layer for the Enhancement of Charge Collection for Efficient Perovskite Solar Cells. Angewandte Chemie, 2019, 131, 9514-9518.	2.0	10
75	A Rutile TiO <sub>2</sub> Electron Transport Layer for the Enhancement of Charge Collection for Efficient Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 9414-9418.	13.8	124
76	Cascade anchoring strategy for general mass production of high-loading single-atomic metal-nitrogen catalysts. Nature Communications, 2019, 10, 1278.	12.8	591
77	NiS <sub>2</sub> nanodotted carnation-like CoS <sub>2</sub> for enhanced electrocatalytic water splitting. Chemical Communications, 2019, 55, 3781-3784.	4.1	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.	20.2	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.	13.7	460
81	Synergy Effect of Both 2,2,2-Trifluoroethylamine Hydrochloride and SnF <sub>2</sub> for Highly Stable FASn <sub>3</sub> Cl Perovskite Solar Cells. Solar Rrl, 2019, 3, 1800290.	5.8	45
82	Polarization-Sensitive Ultraviolet Photodetection of Anisotropic 2D GeS <sub>2</sub> . Advanced Functional Materials, 2019, 29, 1900411.	14.9	120
83	Negligible-Pb-Waste and Upscalable Perovskite Deposition Technology for High-Operational-Stability Perovskite Solar Modules. Advanced Energy Materials, 2019, 9, 1803047.	19.5	68
84	Weak Interlayer Interaction in 2D Anisotropic GeSe <sub>2</sub> . Advanced Science, 2019, 6, 1801810.	11.2	40
85	Band engineering of Ag-Bi <sub>12</sub> GeO <sub>20</sub> -Bi <sub>2</sub> WO <sub>6</sub> composite photocatalyst: Interface regulation and enhanced photocatalytic performance. Ceramics International, 2019, 45, 5249-5258.	4.8	14
86	Fully Air-Bladed High-Efficiency Perovskite Photovoltaics. Joule, 2019, 3, 402-416.	24.0	119
87	High-Mobility Hydrophobic Conjugated Polymer as Effective Interlayer for Air-Stable Efficient Perovskite Solar Cells (Solar RRL 1 <sup>st</sup> 2019). Solar Rrl, 2019, 3, 1970015.	5.8	1
88	Strain-engineering the anisotropic electrical properties of low-symmetry bilayer GeSe. Journal of Applied Physics, 2019, 125, .	2.5	5
89	High-Mobility Hydrophobic Conjugated Polymer as Effective Interlayer for Air-Stable Efficient Perovskite Solar Cells. Solar Rrl, 2019, 3, 1800232.	5.8	36
90	Phase-Controlled Synthesis of 1T-MoSe <sub>2</sub> /NiSe Heterostructure Nanowire Arrays via Electronic Injection for Synergistically Enhanced Hydrogen Evolution. Small Methods, 2019, 3, 1800317.	8.6	67

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91	When MoS <sub>2</sub> 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.	20.2	144
92	In-Plane Optical Anisotropy of Low-Symmetry 2D GeSe. <i>Advanced Optical Materials</i> , 2019, 7, 1801311.	7.3	68
93	Air-Stable In-Plane Anisotropic GeSe <sub>2</sub> for Highly Polarization-Sensitive Photodetection in Short Wave Region. <i>Journal of the American Chemical Society</i> , 2018, 140, 4150-4156.	13.7	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.	16.0	90
95	Highly Boosted Microbial Extracellular Electron Transfer by Semiconductor Nanowire Array with Suitable Energy Level. <i>Advanced Functional Materials</i> , 2018, 28, 1707408.	14.9	17
96	Electrochemical Responsive Superhydrophilic Surfaces of Polythiophene Derivatives towards Cell Capture and Release. <i>ChemPhysChem</i> , 2018, 19, 2046-2051.	2.1	13
97	Highly $\pi$ -extended copolymer as additive-free hole-transport material for perovskite solar cells. <i>Nano Research</i> , 2018, 11, 185-194.	10.4	24
98	In situ transformation of Cu <sub>2</sub> O@MnO <sub>2</sub> to Cu@Mn(OH) <sub>2</sub> nanosheet-on-nanowire arrays for efficient hydrogen evolution. <i>Nano Research</i> , 2018, 11, 1798-1809.	10.4	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.	10.3	69
100	From biological enzyme to single atomic Fe-N-C electrocatalyst for efficient oxygen reduction. <i>Chemical Communications</i> , 2018, 54, 1307-1310.	4.1	50
101	Congeneric Incorporation of CsPbBr <sub>3</sub> Nanocrystals in a Hybrid Perovskite Heterojunction for Photovoltaic Efficiency Enhancement. <i>ACS Energy Letters</i> , 2018, 3, 30-38.	17.4	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.	14.9	91
103	3D nanoporous Ni/V <sub>2</sub> O <sub>3</sub> hybrid nanoplate assemblies for highly efficient electrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21452-21457.	10.3	38
104	Strain-engineering the electronic properties and anisotropy of GeSe <sub>2</sub> monolayers. <i>RSC Advances</i> , 2018, 8, 33445-33450.	3.6	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 &amp; Interfaces</i> , 2018, 10, 35904-35910.	8.0	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.	2.4	12
107	Carrier Dynamics Engineering for High-Performance Electron-Transport-Layer-free Perovskite Photovoltaics. <i>CheM</i> , 2018, 4, 2405-2417.	11.7	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.	19.5	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.	8.2	7
110	Self-Limited on-Site Conversion of $\text{MoO}_3$ Nanodots into Vertically Aligned Ultrasmall Monolayer $\text{MoS}_2$ for Efficient Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2018, 8, 1800734.	19.5	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.	2.0	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.	13.8	127
113	Scalable solid-state synthesis of coralline-like nanostructured $\text{Co@CoNC}$ electrocatalyst for $\text{Zn}$ -air batteries. <i>Chemical Communications</i> , 2018, 54, 8190-8193.	4.1	23
114	Hydrogen Evolution: Self-Limited on-Site Conversion of $\text{MoO}_3$ Nanodots into Vertically Aligned Ultrasmall Monolayer $\text{MoS}_2$ for Efficient Hydrogen Evolution ( <i>Adv. Energy Mater.</i> 21/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870098.	19.5	1
115	Manipulation of facet orientation in hybrid perovskite polycrystalline films by cation cascade. <i>Nature Communications</i> , 2018, 9, 2793.	12.8	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.	13.7	308
117	Polar Solvent Induced Lattice Distortion of Cubic $\text{CsPbI}_3$ 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
118	Size and Electronic Modulation of Iridium Nanoparticles on Nitrogen-Functionalized Carbon toward Advanced Electrocatalysts for Alkaline Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 22340-22347.	8.0	43
119	Alloying Strategy in $\text{CuInGaSe}$ Quantum Dots for High Efficiency Quantum Dot Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5328-5336.	8.0	87
120	Lamellar Metal Organic Framework-Derived $\text{Fe-N-C}$ Non-Noble Electrocatalysts with Bimodal Porosity for Efficient Oxygen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5272-5278.	8.0	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.	10.3	55
122	Facile and Scalable Synthesis of Robust $\text{Ni(OH)}_2$ Nanoplate Arrays on NiAl Foil as Hierarchical Active Scaffold for Highly Efficient Overall Water Splitting. <i>Advanced Science</i> , 2017, 4, 1700084.	11.2	85
123	Crystallinity-Modulated Electrocatalytic Activity of a Nickel(II) Borate Thin Layer on $\text{Ni}_3\text{B}$ for Efficient Water Oxidation. <i>Angewandte Chemie</i> , 2017, 129, 6672-6677.	2.0	34
124	Crystallinity-Modulated Electrocatalytic Activity of a Nickel(II) Borate Thin Layer on $\text{Ni}_3\text{B}$ for Efficient Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6572-6577.	13.8	271
125	Bilayer PbS Quantum Dots for High-Performance Photodetectors. <i>Advanced Materials</i> , 2017, 29, 1702055.	21.0	189
126	Investigation of Physical and Electronic Properties of GeSe for Photovoltaic Applications. <i>Advanced Electronic Materials</i> , 2017, 3, 1700141.	5.1	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.	13.7	745
128	Facile Synthesis of $\text{Mo}_2\text{C}$ Nanocrystals Embedded in Nanoporous Carbon Network for Efficient Hydrogen Evolution. <i>Chinese Journal of Chemistry</i> , 2017, 35, 911-917.	4.9	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.	5.9	25
130	Three-dimensional nanostructured electrodes for efficient quantum-dot-sensitized solar cells. <i>Nano Energy</i> , 2017, 32, 130-156.	16.0	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.	13.7	238
132	Encased Copper Boosts the Electrocatalytic Activity of N-Doped Carbon Nanotubes for Hydrogen Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 36857-36864.	8.0	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.	30.8	157
134	Microbial-Phosphorus-Enabled Synthesis of Phosphide Nanocomposites for Efficient Electrocatalysts. <i>Journal of the American Chemical Society</i> , 2017, 139, 11248-11253.	13.7	70
135	Well-Defined $\text{Metal-O}_6$ in $\text{Metal-Catecholates}$ as a Novel Active Site for Oxygen Electroreduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 28473-28477.	8.0	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.	21.0	437
137	Enhancing Electron and Hole Extractions for Efficient PbS Quantum Dot Solar Cells. <i>Solar Rrl</i> , 2017, 1, 1700176.	5.8	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.	10.3	60
139	$\text{MoS}_2/\text{CdS}$ Nanosheets-on-Nanorod Heterostructure for Highly Efficient Photocatalytic $\text{H}_2$ Generation under Visible Light Irradiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 15258-15266.	8.0	426
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