

Yi-Xin Zhao

List of Publications by Year in descending order

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216
papers

20,110
citations

9775

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11303

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223
all docs

223
docs citations

223
times ranked

20470
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution chemistry quasi-epitaxial growth of atomic CaTiO ₃ perovskite layers to stabilize and passivate TiO ₂ photoelectrodes for efficient water splitting. <i>Fundamental Research</i> , 2023, 3, 918-925.	1.6	1
2	Near UV luminescent Cs ₂ NaBi _{0.75} Sb _{0.25} Cl ₆ perovskite colloidal nanocrystals with high stability. <i>Chinese Chemical Letters</i> , 2022, 33, 537-540.	4.8	13
3	Organic Matrix Assisted Low-temperature Crystallization of Black Phase Inorganic Perovskites. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
4	Organic Matrix Assisted Low-temperature Crystallization of Black Phase Inorganic Perovskites. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	32
5	Potential lead toxicity and leakage issues on lead halide perovskite photovoltaics. <i>Journal of Hazardous Materials</i> , 2022, 426, 127848.	6.5	100
6	CsI Enhanced Buried Interface for Efficient and UV-Robust Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2022, 12, 2103151.	10.2	91
7	Synergistic stabilization of CsPbI ₃ inorganic perovskite via 1D capping and secondary growth. <i>Journal of Energy Chemistry</i> , 2022, 68, 387-392.	7.1	16
8	Overcoming Acidic H ₂ O ₂ /Fe(II/III) Redox-Induced Low H ₂ O ₂ Utilization Efficiency by Carbon Quantum Dots Fenton-like Catalysis. <i>Environmental Science & Technology</i> , 2022, 56, 2617-2625.	4.6	54
9	Two dimensional porous Ni ₁₂ P ₅ sheet modified Mn _{0.5} Cd _{0.5} S for efficient photo-catalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 8275-8283.	3.8	7
10	Electro-Reforming Polyethylene Terephthalate Plastic to Co-Produce Valued Chemicals and Green Hydrogen. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 622-627.	2.1	58
11	Highlights of mainstream solar cell efficiencies in 2021. <i>Frontiers in Energy</i> , 2022, 16, 1-8.	1.2	19
12	NiCoP modified lead-free double perovskite Cs ₂ AgBiBr ₆ for efficient photocatalytic hydrogen generation. <i>New Journal of Chemistry</i> , 2022, 46, 7395-7402.	1.4	14
13	Inorganic CsPbBr ₃ Perovskite Nanocrystals as Interfacial Ion Reservoirs to Stabilize FAPbI ₃ Perovskite for Efficient Photovoltaics. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	22
14	Synergetic Nanoarchitectonics of Defects and Cocatalysts in Oxygen-Vacancy-Rich BiVO ₄ /reduced graphene oxide Mott-Schottky Heterostructures for Photocatalytic Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 12180-12192.	4.0	9
15	Lead-Free Cs ₂ AgSbCl ₆ Double Perovskite Nanocrystals for Effective Visible-Light Photocatalytic C-C Coupling Reactions. <i>ChemSusChem</i> , 2022, 15, e202102334.	3.6	23
16	Multi-Level Passivation of MAPbI ₃ Perovskite for Efficient and Stable Photovoltaics. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	36
17	Perovskite solar cells by vapor deposition based and assisted methods. <i>Applied Physics Reviews</i> , 2022, 9, .	5.5	33
18	Electrocatalytic Valorization of Poly(ethylene terephthalate) Plastic and CO ₂ for Simultaneous Production of Formic Acid. <i>ACS Catalysis</i> , 2022, 12, 6722-6728.	5.5	97

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19	Stable Pure Iodide MA _{0.95} Cs _{0.05} PbI ₃ Perovskite toward Efficient 1.6 eV Bandgap Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5088-5093.	2.1	5
20	Electrochemical Reactors for Continuous Decentralized H ₂ O ₂ Production. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	31
21	Electrochemical Reactors for Continuous Decentralized H ₂ O ₂ Production. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	12
22	Zwitterion-Functionalized SnO ₂ Substrate Induced Sequential Deposition of Black-Phase FAPbI ₃ with Rearranged PbI ₂ Residue. <i>Advanced Materials</i> , 2022, 34, .	11.1	75
23	Directional Damping of Plasmons at Metal-Semiconductor Interfaces. <i>Accounts of Chemical Research</i> , 2022, 55, 1845-1856.	7.6	7
24	Cs-content-dependent organic cation exchange in FA1-Cs PbI ₃ perovskite. <i>Journal of Energy Chemistry</i> , 2022, 72, 539-544.	7.1	12
25	In-Situ Anchoring Pb-Free Cs ₃ Bi ₂ Br ₉ @BiOBr Quantum Dots on NH _x -Rich Silica with Enhanced Blue Emission and Satisfactory Stability for Photocatalytic Toluene Oxidation. <i>ChemSusChem</i> , 2022, 15, .	3.6	9
26	Decoupling engineering of formamidinium-cesium perovskites for efficient photovoltaics. <i>National Science Review</i> , 2022, 9, .	4.6	22
27	Photoelectrochemical Catalysis of Waste Polyethylene Terephthalate Plastic to Coproduce Formic Acid and Hydrogen. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9546-9552.	3.2	27
28	Activating photocatalytic hydrogen generation on inorganic lead-free Cs ₂ AgBiBr ₆ perovskite via reversible Cu ²⁺ /Cu ⁺ redox couple. <i>Journal of Catalysis</i> , 2022, 413, 509-516.	3.1	9
29	Synergetic effects of DMA cation doping and Cl anion additives induced re-growth of MA _{1-x} DMA _x PbI ₃ perovskites. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2860-2864.	2.5	4
30	All-inorganic lead-free metal halide perovskite quantum dots: progress and prospects. <i>Chemical Communications</i> , 2021, 57, 7465-7479.	2.2	28
31	Using steric hindrance to manipulate and stabilize metal halide perovskites for optoelectronics. <i>Chemical Science</i> , 2021, 12, 7231-7247.	3.7	31
32	Advances to High-Performance Black-Phase FAPbI ₃ Perovskite for Efficient and Stable Photovoltaics. <i>Small Structures</i> , 2021, 2, 2000130.	6.9	81
33	Cu-Sb-S Ternary Semiconductor Nanoparticle Plasmonics. <i>Nano Letters</i> , 2021, 21, 2610-2617.	4.5	13
34	Organic Tetrabutylammonium Cation Intercalation to Heal Inorganic CsPbI ₃ Perovskite. <i>Angewandte Chemie</i> , 2021, 133, 12459-12463.	1.6	24
35	Organic Tetrabutylammonium Cation Intercalation to Heal Inorganic CsPbI ₃ Perovskite. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12351-12355.	7.2	94
36	Modification of Ti-doped Hematite Photoanode with Quasi-molecular Cocatalyst: A Comparison of Improvement Mechanism Between Non-noble and Noble Metals. <i>ChemSusChem</i> , 2021, 14, 2180-2187.	3.6	9

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37	Stable Cesium-Rich Formamidinium/Cesium Pure-Iodide Perovskites for Efficient Photovoltaics. ACS Energy Letters, 2021, 6, 2735-2741.	8.8	31
38	Incorporation of Two-Dimensional WSe ₂ into MAPbI ₃ Perovskite for Efficient and Stable Photovoltaics. Journal of Physical Chemistry Letters, 2021, 12, 6883-6888.	2.1	12
39	Two-Dimensional Materials for Perovskite Solar Cells with Enhanced Efficiency and Stability. , 2021, 3, 1402-1416.		21
40	Highly Stable Inorganic Lead Halide Perovskite toward Efficient Photovoltaics. Accounts of Chemical Research, 2021, 54, 3452-3461.	7.6	37
41	MA Cation-Induced Diffusional Growth of Low-Bandgap FA-Cs Perovskites Driven by Natural Gradient Annealing. Research, 2021, 2021, 9765106.	2.8	8
42	Hybrid Phase MoS ₂ as a Noble Metal-Free Photocatalyst for Conversion of Nitroaromatics to Aminoaromatics. Journal of Physical Chemistry C, 2021, 125, 20887-20895.	1.5	7
43	Efficient and Stable CsPbI ₃ Inorganic Perovskite Photovoltaics Enabled by Crystal Secondary Growth. Advanced Materials, 2021, 33, e2103688.	11.1	104
44	The ClO ₂ ⁻ generation and chlorate suppression in photoelectrochemical reactive chlorine species systems on BiVO ₄ photoanodes. Applied Catalysis B: Environmental, 2021, 296, 120387.	10.8	24
45	Peroxydisulfate activation by photo-generated charges on mesoporous carbon nitride for removal of chlorophenols. Applied Catalysis B: Environmental, 2021, 296, 120370.	10.8	42
46	Cu ₇ S ₄ /MnIn ₂ S ₄ heterojunction for efficient photocatalytic hydrogen generation. Journal of Alloys and Compounds, 2021, 884, 161035.	2.8	19
47	Deep-Red Perovskite Light-Emitting Diodes Based on One-Step-Formed ³ CsPbI ₃ Cuboid Crystallites. Advanced Materials, 2021, 33, e2105699.	11.1	30
48	In situ growth of ultra-thin perovskitoid layer to stabilize and passivate MAPbI ₃ for efficient and stable photovoltaics. EScience, 2021, 1, 91-97.	25.0	79
49	Lead Stabilization and Iodine Recycling of Lead Halide Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2021, 9, 16519-16525.	3.2	19
50	The Chemical Design in High-Performance Lead Halide Perovskite: Additive vs Dopant?. Journal of Physical Chemistry Letters, 2021, 12, 11636-11644.	2.1	13
51	Amorphous NiCoB-coupled MAPbI ₃ for efficient photocatalytic hydrogen evolution. Dalton Transactions, 2021, 50, 17960-17966.	1.6	8
52	Surface Coordination Layer to Enhance the Stability of Plasmonic Cu Nanoparticles. Journal of Physical Chemistry C, 2021, 125, 27624-27630.	1.5	2
53	Highly Efficient (110) Orientated FA _{1-x} MA _x Mixed Cation Perovskite Solar Cells via Functionalized Carbon Nanotube and Methylammonium Chloride Additive. Small Methods, 2020, 4, 1900511.	4.6	25
54	Lead-free double perovskite Cs ₂ AgBiBr ₆ /RGO composite for efficient visible light photocatalytic H ₂ evolution. Applied Catalysis B: Environmental, 2020, 268, 118399.	10.8	166

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55	Steric Mixed-Cation 2D Perovskite as a Methylammonium Locker to Stabilize MAPbI ₃ . <i>Angewandte Chemie</i> , 2020, 132, 1485-1489.	1.6	18
56	Steric Mixed-Cation 2D Perovskite as a Methylammonium Locker to Stabilize MAPbI ₃ . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1469-1473.	7.2	60
57	Tuning layered Fe-doped g-C ₃ N ₄ structure through pyrolysis for enhanced Fenton and photo-Fenton activities. <i>Carbon</i> , 2020, 159, 461-470.	5.4	111
58	V-rich Bi ₂ S ₃ nanowire with efficient charge separation and transport for high-performance and robust photoelectrochemical application under visible light. <i>Catalysis Today</i> , 2020, 350, 47-55.	2.2	13
59	Influence of PbS Quantum Dots-Doped TiO ₂ Nanotubes in TiO ₂ Film as an Electron Transport Layer for Enhanced Perovskite Solar Cell Performance. <i>IEEE Journal of Photovoltaics</i> , 2020, 10, 287-295.	1.5	8
60	Design of Advanced Functional Materials Using Nanoporous Single-Site Photocatalysts. <i>Chemical Record</i> , 2020, 20, 660-671.	2.9	7
61	Effective removal of chlorinated organic pollutants by bimetallic iron-nickel sulfide activation of peroxydisulfate. <i>Chinese Chemical Letters</i> , 2020, 31, 1535-1539.	4.8	34
62	Mechanochemically sulfured FeS _{1.92} as stable and efficient heterogeneous Fenton catalyst. <i>Chinese Chemical Letters</i> , 2020, 31, 1978-1981.	4.8	9
63	Stabilizing the MAPbI ₃ perovskite via the in-situ formed lead sulfide layer for efficient and robust solar cells. <i>Journal of Energy Chemistry</i> , 2020, 47, 62-65.	7.1	30
64	Binderless and Oxygen Vacancies Rich FeNi/Graphitized Mesoporous Carbon/Ni Foam for Electrocatalytic Reduction of Nitrate. <i>Environmental Science & Technology</i> , 2020, 54, 13344-13353.	4.6	106
65	Recent progress and prospects of integrated perovskite/organic solar cells. <i>Applied Physics Reviews</i> , 2020, 7, .	5.5	33
66	Incorporating quantum dots for high efficiency and stable perovskite photovoltaics. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25017-25027.	5.2	24
67	Chemically Stable Black Phase CsPbI ₃ Inorganic Perovskites for High-Efficiency Photovoltaics. <i>Advanced Materials</i> , 2020, 32, e2001025.	11.1	123
68	5-Ammonium Valeric Acid Iodide to Stabilize MAPbI ₃ via a Mixed-Cation Perovskite with Reduced Dimension. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8170-8176.	2.1	17
69	Nano-Fe(0)/mesoporous carbon supported on biochar for activating peroxydisulfate to remove polycyclic aromatics hydrocarbons. <i>Emergent Materials</i> , 2020, 3, 307-313.	3.2	5
70	CaMnO ₃ perovskite nanocrystals for efficient peroxydisulfate activation. <i>Chemical Engineering Journal</i> , 2020, 398, 125638.	6.6	51
71	Enhanced visible/near-infrared light harvesting and superior charge separation via 0D/2D all-carbon hybrid architecture for photocatalytic oxygen evolution. <i>Carbon</i> , 2020, 167, 724-735.	5.4	26
72	In situ modification of BiVO ₄ nanosheets on graphene for boosting photocatalytic water oxidation. <i>Nanoscale</i> , 2020, 12, 14853-14862.	2.8	20

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73	Partial Cu ion exchange induced triangle hexagonal Mn _{0.45} Cu _{0.05} Cd _{0.5} S nanocrystals for enhanced photocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2020, 56, 8127-8130.	2.2	13
74	Top-down fabrication of colloidal plasmonic MoO ₃ nanocrystals via solution chemistry hydrogenation. <i>Chemical Communications</i> , 2020, 56, 4816-4819.	2.2	7
75	NiFe Layered Double Hydroxide (LDH) Nanosheet Catalysts with Fe as Electron Transfer Mediator for Enhanced Persulfate Activation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 968-973.	2.1	59
76	Potassium stabilization of methylammonium lead bromide perovskite for robust photocatalytic H ₂ generation. <i>EcoMat</i> , 2020, 2, e12015.	6.8	23
77	2-Aminobenzenethiol-Functionalized Silver-Decorated Nanoporous Silicon Photoelectrodes for Selective CO ₂ Reduction. <i>Angewandte Chemie</i> , 2020, 132, 11559-11566.	1.6	6
78	2-Aminobenzenethiol-Functionalized Silver-Decorated Nanoporous Silicon Photoelectrodes for Selective CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11462-11469.	7.2	24
79	MoS ₂ -Stratified CdS-Cu ₂ S Core-Shell Nanorods for Highly Efficient Photocatalytic Hydrogen Production. <i>ACS Nano</i> , 2020, 14, 5468-5479.	7.3	109
80	Interface modification of SnO ₂ layer using p-n junction double layer for efficiency enhancement of perovskite solar cell. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 505103.	1.3	8
81	Metal Halide Perovskite Optoelectronic Material and Device. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2020, .	2.2	1
82	Highly Moisture Resistant 5-Aminovaleric Acid Crosslinked CH ₃ NH ₃ PbBr ₃ Perovskite Film with ALD-Al ₂ O ₃ Protection. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2020, .	2.2	2
83	Thermodynamically stabilized $\text{I}^2\text{-CsPbI}_3$ based perovskite solar cells with efficiencies >18%. <i>Science</i> , 2019, 365, 591-595.	6.0	963
84	CsPb(I Br) ₃ solar cells. <i>Science Bulletin</i> , 2019, 64, 1532-1539.	4.3	114
85	Stable Lead-Free (CH ₃ NH ₃) ₃ Bi ₂ I ₉ Perovskite for Photocatalytic Hydrogen Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15080-15085.	3.2	93
86	Highly Efficient Utilization of Nano-Fe(0) Embedded in Mesoporous Carbon for Activation of Peroxydisulfate. <i>Environmental Science & Technology</i> , 2019, 53, 9081-9090.	4.6	160
87	Inorganic CsPb ₃ Perovskites toward High-Efficiency Photovoltaics. <i>Energy and Environmental Materials</i> , 2019, 2, 73-78.	7.3	43
88	The Role of Dimethylammonium Iodide in CsPb ₃ Perovskite Fabrication: Additive or Dopant?. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16691-16696.	7.2	407
89	The Role of Dimethylammonium Iodide in CsPb ₃ Perovskite Fabrication: Additive or Dopant?. <i>Angewandte Chemie</i> , 2019, 131, 16844-16849.	1.6	90
90	Organic salt mediated growth of phase pure and stable all-inorganic CsPbX ₃ (X = I, Br) perovskites for efficient photovoltaics. <i>Science Bulletin</i> , 2019, 64, 1773-1779.	4.3	45

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91	Effect of chloride substitution on interfacial charge transfer processes in MAPbI ₃ perovskite thin film solar cells: planar <i>versus</i> mesoporous. <i>Nanoscale Advances</i> , 2019, 1, 827-833.	2.2	21
92	Spontaneous low-temperature crystallization of δ -FAPbI ₃ for highly efficient perovskite solar cells. <i>Science Bulletin</i> , 2019, 64, 1608-1616.	4.3	58
93	Tubular morphology preservation and doping engineering of Sn/P-codoped hematite for photoelectrochemical water oxidation. <i>Dalton Transactions</i> , 2019, 48, 928-935.	1.6	7
94	All-inorganic lead-free perovskites for optoelectronic applications. <i>Materials Chemistry Frontiers</i> , 2019, 3, 365-375.	3.2	133
95	Defect Engineering in Semiconductors: Manipulating Nonstoichiometric Defects and Understanding Their Impact in Oxynitrides for Solar Energy Conversion. <i>Advanced Functional Materials</i> , 2019, 29, 1808389.	7.8	56
96	CuO nanosheet as a recyclable Fenton-like catalyst prepared from simulated Cu(II) waste effluents by alkaline H ₂ O ₂ reaction. <i>Environmental Science: Nano</i> , 2019, 6, 105-114.	2.2	41
97	Photostability of MAPbI ₃ Perovskite Solar Cells by Incorporating Black Phosphorus. <i>Solar Rrl</i> , 2019, 3, 1900197.	3.1	53
98	Chemical stability and instability of inorganic halide perovskites. <i>Energy and Environmental Science</i> , 2019, 12, 1495-1511.	15.6	510
99	Fast Charge Diffusion in MAPb(I _x Br _x) ₃ Films for High-Efficiency Solar Cells Revealed by Ultrafast Time-Resolved Reflectivity. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2674-2678.	1.1	6
100	Lead-free silver-antimony halide double perovskite quantum dots with superior blue photoluminescence. <i>Chemical Communications</i> , 2019, 55, 14741-14744.	2.2	47
101	[Mo3S13] ²⁻ modified TiO ₂ coating on non-woven fabric for efficient photocatalytic mineralization of acetone. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 190-196.	10.8	30
102	Secondary battery inspired NiO nanosheets with rich Ni(III) defects for enhancing persulfates activation in phenolic waste water degradation. <i>Chemical Engineering Journal</i> , 2019, 360, 97-103.	6.6	46
103	Phosphorus-doped Isotype γ -Ni ₃ N ₄ / γ -Ni ₃ N ₄ : An Efficient Charge Transfer System for Photoelectrochemical Water Oxidation. <i>ChemCatChem</i> , 2019, 11, 729-736.	1.8	42
104	Recent Progress of Photocatalysis Based on Metal Halide Perovskites. <i>Acta Chimica Sinica</i> , 2019, 77, 1075.	0.5	8
105	Organic ammonium salt surface treatment stabilizing all-inorganic CsPb ₂ Br perovskite. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 158805.	0.2	2
106	Ferric (hydr)oxide/mesoporous carbon composites as Fenton-like catalysts for degradation of phenol. <i>Research on Chemical Intermediates</i> , 2018, 44, 4103-4117.	1.3	17
107	Hydrophilic mesoporous carbon as iron(III)/(II) electron shuttle for visible light enhanced Fenton-like degradation of organic pollutants. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 108-114.	10.8	108
108	Secondary battery inspired δ -nickel hydroxide as an efficient Ni-based heterogeneous catalyst for sulfate radical activation. <i>Science Bulletin</i> , 2018, 63, 278-281.	4.3	25

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109	A metal-free visible light active photo-electro-Fenton-like cell for organic pollutants degradation. <i>Applied Catalysis B: Environmental</i> , 2018, 229, 211-217.	10.8	58
110	A Facile Low Temperature Fabrication of High Performance CsPbI ₂ Br All-Inorganic Perovskite Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1700180.	3.1	139
111	Formation of highly luminescent cesium bismuth halide perovskite quantum dots tuned by anion exchange. <i>Chemical Communications</i> , 2018, 54, 3779-3782.	2.2	116
112	A Stable Plasmonic Cu@Cu ₂ O/ZnO Heterojunction for Enhanced Photocatalytic Hydrogen Generation. <i>ChemSusChem</i> , 2018, 11, 1505-1511.	3.6	91
113	A mixed-cation lead iodide MAI ⁺ EA PbI ₃ absorber for perovskite solar cells. <i>Journal of Energy Chemistry</i> , 2018, 27, 215-218.	7.1	25
114	A highly efficient nanoporous BiVO ₄ photoelectrode with enhanced interface charge transfer Co-catalyzed by molecular catalyst. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 504-511.	10.8	40
115	Rod-shaped thiocyanate-induced abnormal band gap broadening in SCN ⁻ doped CsPbBr ₃ perovskite nanocrystals. <i>Nano Research</i> , 2018, 11, 2715-2723.	5.8	44
116	Highly efficient colloidal Mn _x Cd _{1-x} S nanorod solid solution for photocatalytic hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23683-23689.	5.2	60
117	All-inorganic Cs ₂ CuX ₄ (X = Cl, Br, and Br/I) perovskite quantum dots with blue-green luminescence. <i>Chemical Communications</i> , 2018, 54, 11638-11641.	2.2	99
118	Bifunctional Stabilization of All-Inorganic δ -CsPbI ₃ Perovskite for 17% Efficiency Photovoltaics. <i>Journal of the American Chemical Society</i> , 2018, 140, 12345-12348.	6.6	565
119	A Tandem Water Splitting Cell Based on Nanoporous BiVO ₄ Photoanode Cocatalyzed by Ultrasmall Cobalt Borate Sandwiched with Conformal TiO ₂ Layers. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16228-16234.	3.2	25
120	Brand new 1D branched CuO nanowire arrays for efficient photoelectrochemical water reduction. <i>Dalton Transactions</i> , 2018, 47, 14566-14572.	1.6	14
121	Optoelectronic Dichotomy of Mixed Halide CH ₃ NH ₃ Pb(Br _{1-x} Cl _x) ₃ Single Crystals: Surface versus Bulk Photoluminescence. <i>Journal of the American Chemical Society</i> , 2018, 140, 11811-11819.	6.6	22
122	Efficient hydrogen evolution from the hydrolysis of ammonia borane using bilateral-like WO ₃ nanorods coupled with Ni ₂ P nanoparticles. <i>Chemical Communications</i> , 2018, 54, 6188-6191.	2.2	32
123	FeOOH quantum dots coupled g-C ₃ N ₄ for visible light driving photo-Fenton degradation of organic pollutants. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 513-520.	10.8	231
124	Dry Chemistry of Ferrate(VI): A Solvent-Free Mechanochemical Way for Versatile Green Oxidation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10949-10953.	7.2	19
125	Li dopant induces moisture sensitive phase degradation of an all-inorganic CsPb ₂ Br perovskite. <i>Chemical Communications</i> , 2018, 54, 9809-9812.	2.2	92
126	Interfacial crosslinked quasi-2D perovskite with boosted carrier transport and enhanced stability. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 404001.	1.3	28

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127	Dry Chemistry of Ferrate(VI): A Solvent-Free Mechanochemical Way for Versatile Green Oxidation. <i>Angewandte Chemie</i> , 2018, 130, 11115-11119.	1.6	5
128	Efficient FAPbI_3 Photovoltaics with Surface Terminated Organic Cations. <i>Joule</i> , 2018, 2, 2065-2075.	11.7	280
129	Harvest of ocean energy by triboelectric generator technology. <i>Applied Physics Reviews</i> , 2018, 5, 031303.	5.5	14
130	Integration of a functionalized graphene nano-network into a planar perovskite absorber for high-efficiency large-area solar cells. <i>Materials Horizons</i> , 2018, 5, 868-873.	6.4	25
131	A simple fabrication of $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite for solar cells using low-purity PbI_2 . <i>Journal of Semiconductors</i> , 2017, 38, 014004.	2.0	12
132	Sulfurated [NiFe]-based layered double hydroxides nanoparticles as efficient co-catalysts for photocatalytic hydrogen evolution using CdTe/CdS quantum dots. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 155-160.	10.8	66
133	Visible Light Assisted Heterogeneous Fenton-Like Degradation of Organic Pollutant via $\text{FAPb(OOH)}/\text{Mesoporous Carbon Composites}$. <i>Environmental Science & Technology</i> , 2017, 51, 3993-4000.	4.6	229
134	Synergetic Effect of Chloride Doping and $\text{CH}_3\text{NH}_3\text{PbCl}_3$ on $\text{CH}_3\text{NH}_3\text{PbI}_3$ -Based Solar Cells. <i>ChemSusChem</i> , 2017, 10, 2365-2369.	3.6	53
135	Mesoporous TiO_2 films coated on carbon foam based on waste polyurethane for enhanced photocatalytic oxidation of VOCs. <i>Applied Catalysis B: Environmental</i> , 2017, 212, 1-6.	10.8	120
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