

# Yi-Xin Zhao

## List of Publications by Year in descending order

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216  
papers

20,110  
citations

9775

73  
h-index

11303

136  
g-index

223  
all docs

223  
docs citations

223  
times ranked

20470  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic-inorganic hybrid lead halide perovskites for optoelectronic and electronic applications. <i>Chemical Society Reviews</i> , 2016, 45, 655-689.	18.7	1,285
2	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
3	Plasmonic $\text{Cu}_2\text{S}$ Nanocrystals: Optical and Structural Properties of Copper-Deficient Copper(I) Sulfides. <i>Journal of the American Chemical Society</i> , 2009, 131, 4253-4261.	6.6	920
4	Bifunctional Stabilization of All-Inorganic $\text{I}^{\pm}$ - $\text{CsPbI}_3$ Perovskite for 17% Efficiency Photovoltaics. <i>Journal of the American Chemical Society</i> , 2018, 140, 12345-12348.	6.6	565
5	Bication lead iodide 2D perovskite component to stabilize inorganic $\text{I}^{\pm}$ - $\text{CsPbI}_3$ perovskite phase for high-efficiency solar cells. <i>Science Advances</i> , 2017, 3, e1700841.	4.7	557
6	$\text{CH}_3\text{NH}_3\text{Cl}$ -Assisted One-Step Solution Growth of $\text{CH}_3\text{NH}_3\text{PbI}_3$ : Structure, Charge-Carrier Dynamics, and Photovoltaic Properties of Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9412-9418.	1.5	516
7	Chemical stability and instability of inorganic halide perovskites. <i>Energy and Environmental Science</i> , 2019, 12, 1495-1511.	15.6	510
8	Femtosecond Time-Resolved Transient Absorption Spectroscopy of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Films: Evidence for Passivation Effect of $\text{PbI}_2$ . <i>Journal of the American Chemical Society</i> , 2014, 136, 12205-12208.	6.6	501
9	Facile fabrication of large-grain $\text{CH}_3\text{NH}_3\text{PbI}_3$ films for high-efficiency solar cells via $\text{CH}_3\text{NH}_3\text{Br}$ -selective Ostwald ripening. <i>Nature Communications</i> , 2016, 7, 12305.	5.8	444
10	$\text{TiO}_2$ Nanoparticles as Functional Building Blocks. <i>Chemical Reviews</i> , 2014, 114, 9283-9318.	23.0	410
11	The Role of Dimethylammonium Iodide in $\text{CsPbI}_3$ Perovskite Fabrication: Additive or Dopant?. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16691-16696.	7.2	407
12	Development of plasmonic semiconductor nanomaterials with copper chalcogenides for a future with sustainable energy materials. <i>Energy and Environmental Science</i> , 2012, 5, 5564-5576.	15.6	334
13	Charge Transport and Recombination in Perovskite ( $\text{CH}_3\text{NH}_3$ ) $\text{PbI}_3$ Sensitized $\text{TiO}_2$ Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2880-2884.	2.1	284
14	Identification and characterization of the intermediate phase in hybrid organic-inorganic $\text{MAPbI}_3$ perovskite. <i>Dalton Transactions</i> , 2016, 45, 3806-3813.	1.6	283
15	A High Yield Synthesis of Ligand-Free Iridium Oxide Nanoparticles with High Electrocatalytic Activity. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 402-406.	2.1	282
16	Improving the efficiency of water splitting in dye-sensitized solar cells by using a biomimetic electron transfer mediator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15612-15616.	3.3	280
17	Efficient $\text{I}^{\pm}$ - $\text{CsPbI}_3$ Photovoltaics with Surface Terminated Organic Cations. <i>Joule</i> , 2018, 2, 2065-2075.	11.7	280
18	Solid-State Mesostructured Perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ Solar Cells: Charge Transport, Recombination, and Diffusion Length. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 490-494.	2.1	275

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19	Carbon quantum dots decorated Bi <sub>2</sub> WO <sub>6</sub> nanocomposite with enhanced photocatalytic oxidation activity for VOCs. <i>Applied Catalysis B: Environmental</i> , 2016, 193, 16-21.	10.8	247
20	Controllable Sequential Deposition of Planar CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Films via Adjustable Volume Expansion. <i>Nano Letters</i> , 2015, 15, 3959-3963.	4.5	245
21	FeOOH quantum dots coupled g-C <sub>3</sub> N <sub>4</sub> for visible light driving photo-Fenton degradation of organic pollutants. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 513-520.	10.8	231
22	Visible Light Assisted Heterogeneous Fenton-Like Degradation of Organic Pollutant via $\pm$ -FeOOH/Mesoporous Carbon Composites. <i>Environmental Science &amp; Technology</i> , 2017, 51, 3993-4000.	4.6	229
23	Solution Chemistry Engineering toward High-Efficiency Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 4175-4186.	2.1	227
24	Efficient Planar Perovskite Solar Cells Based on 1.8 eV Band Gap CH <sub>3</sub> NH <sub>3</sub> PbI <sub>2</sub> Br Nanosheets via Thermal Decomposition. <i>Journal of the American Chemical Society</i> , 2014, 136, 12241-12244.	6.6	222
25	Amorphous TiO <sub>2</sub> Buffer Layer Boosts Efficiency of Quantum Dot Sensitized Solar Cells to over 9%. <i>Chemistry of Materials</i> , 2015, 27, 8398-8405.	3.2	197
26	Resistance and polarization losses in aqueous buffer membrane electrolytes for water-splitting photoelectrochemical cells. <i>Energy and Environmental Science</i> , 2012, 5, 7582.	15.6	188
27	Substrate-controlled band positions in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite films. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22122-22130.	1.3	177
28	Optical bleaching of perovskite (CH <sub>3</sub> NH <sub>3</sub> )PbI <sub>3</sub> through room-temperature phase transformation induced by ammonia. <i>Chemical Communications</i> , 2014, 50, 1605.	2.2	171
29	Carbon Counter-Electrode-Based Quantum-Dot-Sensitized Solar Cells with Certified Efficiency Exceeding 11%. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3103-3111.	2.1	169
30	Lead-free double perovskite Cs <sub>2</sub> AgBiBr <sub>6</sub> /RGO composite for efficient visible light photocatalytic H <sub>2</sub> evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118399.	10.8	166
31	Metal ions optical sensing by semiconductor quantum dots. <i>Journal of Materials Chemistry C</i> , 2014, 2, 595-613.	2.7	163
32	Highly Efficient Utilization of Nano-Fe(0) Embedded in Mesoporous Carbon for Activation of Peroxydisulfate. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9081-9090.	4.6	160
33	The Effects of Sintering on the Photocatalytic Activity of N-Doped TiO <sub>2</sub> Nanoparticles. <i>Chemistry of Materials</i> , 2008, 20, 2629-2636.	3.2	159
34	Mixed cation hybrid lead halide perovskites with enhanced performance and stability. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11450-11461.	5.2	153
35	A controllable fabrication of grain boundary PbI <sub>2</sub> nanoplates passivated lead halide perovskites for high performance solar cells. <i>Nano Energy</i> , 2016, 26, 50-56.	8.2	151
36	A Facile Low Temperature Fabrication of High Performance CsPbI <sub>2</sub> Br All-Inorganic Perovskite Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1700180.	3.1	139

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37	Effective hole extraction using MoO <sub>x</sub> -Al contact in perovskite CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> solar cells. Applied Physics Letters, 2014, 104, .	1.5	135
38	A facile solvothermal growth of single crystal mixed halide perovskite CH <sub>3</sub> NH <sub>3</sub> Pb(Br <sub>x</sub> I <sup>1-x</sup> )Cl <sub>x</sub> . Chemical Communications, 2015, 51, 7820-7823.	2.2	135
39	All-inorganic lead-free perovskites for optoelectronic applications. Materials Chemistry Frontiers, 2019, 3, 365-375.	3.2	133
40	Growth control of compact CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> thin films via enhanced solid-state precursor reaction for efficient planar perovskite solar cells. Journal of Materials Chemistry A, 2015, 3, 9249-9256.	5.2	128
41	In Situ Fabrication of Highly Luminescent Bifunctional Amino Acid Crosslinked 2D/3D NH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> COO(CH <sub>3</sub> ) <sub>2</sub> NH <sub>3</sub> PbBr <sub>3</sub> Perovskite Films. Advanced Functional Materials, 2017, 27, 1603568.		
42	Non-Thermal Annealing Fabrication of Efficient Planar Perovskite Solar Cells with Inclusion of NH <sub>4</sub> Cl. Chemistry of Materials, 2015, 27, 1448-1451.	3.2	123
43	Chemically Stable Black Phase CsPbI <sub>3</sub> Inorganic Perovskites for High Efficiency Photovoltaics. Advanced Materials, 2020, 32, e2001025.	11.1	123
44	Mesoporous TiO <sub>2</sub> films coated on carbon foam based on waste polyurethane for enhanced photocatalytic oxidation of VOCs. Applied Catalysis B: Environmental, 2017, 212, 1-6.	10.8	120
45	Hydrochloric acid accelerated formation of planar CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite with high humidity tolerance. Journal of Materials Chemistry A, 2015, 3, 19674-19678.	5.2	117
46	Formation of highly luminescent cesium bismuth halide perovskite quantum dots tuned by anion exchange. Chemical Communications, 2018, 54, 3779-3782.	2.2	116
47	Anodic Deposition of Colloidal Iridium Oxide Thin Films from Hexahydroxyiridate(IV) Solutions. Small, 2011, 7, 2087-2093.	5.2	115
48	Mesoporous perovskite solar cells: material composition, charge-carrier dynamics, and device characteristics. Faraday Discussions, 2014, 176, 301-312.	1.6	115
49	CsPb(I Br) <sub>3</sub> solar cells. Science Bulletin, 2019, 64, 1532-1539.	4.3	114
50	Tuning layered Fe-doped g-C <sub>3</sub> N <sub>4</sub> structure through pyrolysis for enhanced Fenton and photo-Fenton activities. Carbon, 2020, 159, 461-470.	5.4	111
51	MoS <sub>2</sub> -Stratified CdS-Cu <sub>2</sub> S Core-Shell Nanorods for Highly Efficient Photocatalytic Hydrogen Production. ACS Nano, 2020, 14, 5468-5479.	7.3	109
52	Ultrasensitive Photodetectors Based on Island-Structured CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Thin Films. ACS Applied Materials & Interfaces, 2015, 7, 21634-21638.	4.0	108
53	Hydrophilic mesoporous carbon as iron(III)/(II) electron shuttle for visible light enhanced Fenton-like degradation of organic pollutants. Applied Catalysis B: Environmental, 2018, 231, 108-114.	10.8	108
54	Binderless and Oxygen Vacancies Rich FeNi/Graphitized Mesoporous Carbon/Ni Foam for Electrocatalytic Reduction of Nitrate. Environmental Science & Technology, 2020, 54, 13344-13353.	4.6	106

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55	Enhancing Thermoelectric Performance of Ternary Nanocrystals through Adjusting Carrier Concentration. <i>Journal of the American Chemical Society</i> , 2010, 132, 4982-4983.	6.6	105
56	Synthesis and Characterization of Nitrogen-Doped Group-IVB Visible-Light-Photoactive Metal Oxide Nanoparticles. <i>Advanced Materials</i> , 2007, 19, 3995-3999.	11.1	104
57	Efficient and Stable CsPbI <sub>3</sub> Inorganic Perovskite Photovoltaics Enabled by Crystal Secondary Growth. <i>Advanced Materials</i> , 2021, 33, e2103688.	11.1	104
58	Three-step sequential solution deposition of PbI <sub>2</sub> -free CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9086-9091.	5.2	100
59	Potential lead toxicity and leakage issues on lead halide perovskite photovoltaics. <i>Journal of Hazardous Materials</i> , 2022, 426, 127848.	6.5	100
60	All-inorganic Cs <sub>2</sub> CuX <sub>4</sub> (X = Cl, Br, and Br/I) perovskite quantum dots with blue-green luminescence. <i>Chemical Communications</i> , 2018, 54, 11638-11641.	2.2	99
61	Electrocatalytic Valorization of Poly(ethylene terephthalate) Plastic and CO <sub>2</sub> for Simultaneous Production of Formic Acid. <i>ACS Catalysis</i> , 2022, 12, 6722-6728.	5.5	97
62	Organic Tetrabutylammonium Cation Intercalation to Heal Inorganic CsPbI <sub>3</sub> Perovskite. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12351-12355.	7.2	94
63	Synthesis, characterization and computational study of nitrogen-doped CeO <sub>2</sub> nanoparticles with visible-light activity. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 5633.	1.3	93
64	Organic-inorganic interactions of single crystalline organolead halide perovskites studied by Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18112-18118.	1.3	93
65	Stable Lead-Free (CH <sub>3</sub> NH <sub>3</sub> ) <sub>3</sub> Bi <sub>2</sub> I <sub>9</sub> Perovskite for Photocatalytic Hydrogen Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15080-15085.	3.2	93
66	Li dopant induces moisture sensitive phase degradation of an all-inorganic CsPbI <sub>2</sub> Br perovskite. <i>Chemical Communications</i> , 2018, 54, 9809-9812.	2.2	92
67	General Method for the Synthesis of Ultrastable Core/Shell Quantum Dots by Aluminum Doping. <i>Journal of the American Chemical Society</i> , 2015, 137, 12430-12433.	6.6	91
68	A Stable Plasmonic Cu@Cu <sub>2</sub> O/ZnO Heterojunction for Enhanced Photocatalytic Hydrogen Generation. <i>ChemSusChem</i> , 2018, 11, 1505-1511.	3.6	91
69	CsI Enhanced Buried Interface for Efficient and UV-Robust Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2022, 12, 2103151.	10.2	91
70	The Role of Dimethylammonium Iodide in CsPbI <sub>3</sub> Perovskite Fabrication: Additive or Dopant?. <i>Angewandte Chemie</i> , 2019, 131, 16844-16849.	1.6	90
71	Advances to High-Performance Black-Phase FAPbI <sub>3</sub> Perovskite for Efficient and Stable Photovoltaics. <i>Small Structures</i> , 2021, 2, 2000130.	6.9	81
72	Oxidatively Stable Nanoporous Silicon Photocathodes with Enhanced Onset Voltage for Photoelectrochemical Proton Reduction. <i>Nano Letters</i> , 2015, 15, 2517-2525.	4.5	80

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73	Ion Exchange-Induced 2D-3D Conversion of HMA <sub>1-x</sub> FA <sub>x</sub> Pb <sub>3</sub> Cl Perovskite into a High-Quality MA <sub>1-x</sub> FA <sub>x</sub> Pb <sub>3</sub> Perovskite. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13460-13464.	7.2	80
74	In situ growth of ultra-thin perovskitoid layer to stabilize and passivate MAPbI <sub>3</sub> for efficient and stable photovoltaics. <i>EScience</i> , 2021, 1, 91-97.	25.0	79
75	Zwitterion-Functionalized SnO <sub>2</sub> Substrate Induced Sequential Deposition of Black-Phase FAPbI <sub>3</sub> with Rearranged Pb <sub>2</sub> Residue. <i>Advanced Materials</i> , 2022, 34, .	11.1	75
76	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
77	Toward high-performance nanostructured thermoelectric materials: the progress of bottom-up solution chemistry approaches. <i>Journal of Materials Chemistry</i> , 2011, 21, 17049.	6.7	63
78	Electron transfer kinetics in water splitting dye-sensitized solar cells based on core-shell oxide electrodes. <i>Faraday Discussions</i> , 2012, 155, 165-176.	1.6	62
79	Improving Thermoelectric Properties of Chemically Synthesized Bi <sub>2</sub> Te <sub>3</sub> -Based Nanocrystals by Annealing. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11607-11613.	1.5	61
80	CdTe/CdS Core/Shell Quantum Dots Cocatalyzed by Sulfur Tolerant [Mo <sub>3</sub> S <sub>13</sub> ] <sup>2+</sup> Nanoclusters for Efficient Visible-Light-Driven Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6653-6658.	3.2	61
81	Highly efficient colloidal Mn <sub>x</sub> Cd <sub>1-x</sub> S nanorod solid solution for photocatalytic hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23683-23689.	5.2	60
82	Steric Mixed-Cation 2D Perovskite as a Methylammonium Locker to Stabilize MAPbI <sub>3</sub> . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1469-1473.	7.2	60
83	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
84	Chemical Synthesis of Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> Nanocrystals and Their Surface Oxidation Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 1259-1263.	4.0	58
85	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
86	Spontaneous low-temperature crystallization of $\hat{\Gamma}$ -FAPbI <sub>3</sub> for highly efficient perovskite solar cells. <i>Science Bulletin</i> , 2019, 64, 1608-1616.	4.3	58
87	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
88	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
89	Photocurrent Enhanced by Singlet Fission in a Dye-Sensitized Solar Cell. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 2286-2293.	4.0	54
90	Overcoming Acidic H <sub>2</sub> O <sub>2</sub> /Fe(II/III) Redox-Induced Low H <sub>2</sub> O <sub>2</sub> Utilization Efficiency by Carbon Quantum Dots Fenton-like Catalysis. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2617-2625.	4.6	54

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91	Photocatalytic remediation of ionic pollutant. <i>Science Bulletin</i> , 2015, 60, 1791-1806.	4.3	53
92	Synergetic Effect of Chloride Doping and $\text{CH}_3\text{NH}_3\text{PbCl}_3$ on $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite-Based Solar Cells. <i>ChemSusChem</i> , 2017, 10, 2365-2369.	3.6	53
93	Photostability of $\text{MAPbI}_3$ Perovskite Solar Cells by Incorporating Black Phosphorus. <i>Solar Rrl</i> , 2019, 3, 1900197.	3.1	53
94	A novel highly active nanostructured $\text{IrO}_2/\text{Ti}$ anode for water oxidation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 14279-14283.	3.8	52
95	Sn-doped hematite films as photoanodes for efficient photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6751-6755.	5.2	51
96	$\text{CaMnO}_3$ perovskite nanocrystals for efficient peroxydisulfate activation. <i>Chemical Engineering Journal</i> , 2020, 398, 125638.	6.6	51
97	A general non- $\text{CH}_3\text{NH}_3\text{X}$ ( $\text{X} = \text{I}, \text{Br}$ ) one-step deposition of $\text{CH}_3\text{NH}_3\text{PbX}_3$ perovskite for high performance solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3245-3248.	5.2	47
98	Lead-free silver-antimony halide double perovskite quantum dots with superior blue photoluminescence. <i>Chemical Communications</i> , 2019, 55, 14741-14744.	2.2	47
99	Secondary battery inspired $\text{NiO}$ nanosheets with rich $\text{Ni(III)}$ defects for enhancing persulfates activation in phenolic waste water degradation. <i>Chemical Engineering Journal</i> , 2019, 360, 97-103.	6.6	46
100	Organic salt mediated growth of phase pure and stable all-inorganic $\text{CsPbX}_3$ ( $\text{X} = \text{I}, \text{Br}$ ) perovskites for efficient photovoltaics. <i>Science Bulletin</i> , 2019, 64, 1773-1779.	4.3	45
101	Proton Reduction Using a Hydrogenase-Modified Nanoporous Black Silicon Photoelectrode. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14481-14487.	4.0	44
102	Rod-shaped thiocyanate-induced abnormal band gap broadening in $\text{SCN}^-$ doped $\text{CsPbBr}_3$ perovskite nanocrystals. <i>Nano Research</i> , 2018, 11, 2715-2723.	5.8	44
103	Inorganic $\text{CsPbI}_3$ Perovskites toward High Efficiency Photovoltaics. <i>Energy and Environmental Materials</i> , 2019, 2, 73-78.	7.3	43
104	Phosphorus-doped Isotype $\text{g-C}_3\text{N}_4/\text{g-C}_3\text{N}_4$ : An Efficient Charge Transfer System for Photoelectrochemical Water Oxidation. <i>ChemCatChem</i> , 2019, 11, 729-736.	1.8	42
105	Peroxydisulfate activation by photo-generated charges on mesoporous carbon nitride for removal of chlorophenols. <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120370.	10.8	42
106	Understanding the Effect of Monomeric Iridium(III/IV) Aquo Complexes on the Photoelectrochemistry of $\text{IrO}_2/\text{Au}/\text{H}_2\text{O}$ -Catalyzed Water-Splitting Systems. <i>Journal of the American Chemical Society</i> , 2015, 137, 8749-8757.	6.6	41
107	Intercalation crystallization of phase-pure $\text{H}_2\text{C}(\text{NH}_2)_2$ upon microstructurally engineered $\text{PbI}_2$ thin films for planar perovskite solar cells. <i>Nanoscale</i> , 2016, 8, 6265-6270.	2.8	41
108	$\text{CuO}$ nanosheet as a recyclable Fenton-like catalyst prepared from simulated $\text{Cu(II)}$ waste effluents by alkaline $\text{H}_2\text{O}_2$ reaction. <i>Environmental Science: Nano</i> , 2019, 6, 105-114.	2.2	41

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109	A highly efficient nanoporous BiVO <sub>4</sub> photoelectrode with enhanced interface charge transfer Co-catalyzed by molecular catalyst. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 504-511.	10.8	40
110	Light-Driven Overall Water Splitting Enabled by a Photo-Dember Effect Realized on 3D Plasmonic Structures. <i>ACS Nano</i> , 2016, 10, 6693-6701.	7.3	39
111	Highly Stable Inorganic Lead Halide Perovskite toward Efficient Photovoltaics. <i>Accounts of Chemical Research</i> , 2021, 54, 3452-3461.	7.6	37
112	Multi-Level Passivation of MAPbI <sub>3</sub> Perovskite for Efficient and Stable Photovoltaics. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	36
113	Highly photocatalytic active thiomolybdate [Mo <sub>3</sub> S <sub>13</sub> ]2 <sup>-</sup> clusters/BiOBr nanocomposite with enhanced sulfur tolerance. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 1-7.	10.8	35
114	Nonvolatile chlorinated additives adversely influence CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> based planar solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9137-9140.	5.2	34
115	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
116	Recent progress and prospects of integrated perovskite/organic solar cells. <i>Applied Physics Reviews</i> , 2020, 7, .	5.5	33
117	Perovskite solar cells by vapor deposition based and assisted methods. <i>Applied Physics Reviews</i> , 2022, 9, .	5.5	33
118	Efficient hydrogen evolution from the hydrolysis of ammonia borane using bilateral-like WO <sub>3</sub> nanorods coupled with Ni <sub>2</sub> P nanoparticles. <i>Chemical Communications</i> , 2018, 54, 6188-6191.	2.2	32
119	Organic Matrix Assisted Low-temperature Crystallization of Black Phase Inorganic Perovskites. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	32
120	Using steric hindrance to manipulate and stabilize metal halide perovskites for optoelectronics. <i>Chemical Science</i> , 2021, 12, 7231-7247.	3.7	31
121	Stable Cesium-Rich Formamidinium/Cesium Pure-Iodide Perovskites for Efficient Photovoltaics. <i>ACS Energy Letters</i> , 2021, 6, 2735-2741.	8.8	31
122	Electrochemical Reactors for Continuous Decentralized H <sub>2</sub> O <sub>2</sub> Production. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	31
123	A facile deposition of large grain and phase pure $\delta$ -FAPbI <sub>3</sub> for perovskite solar cells via a flash crystallization. <i>Materials Today Energy</i> , 2017, 5, 293-298.	2.5	30
124	[Mo <sub>3</sub> S <sub>13</sub> ]2 <sup>-</sup> modified TiO <sub>2</sub> coating on non-woven fabric for efficient photocatalytic mineralization of acetone. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 190-196.	10.8	30
125	Stabilizing the MAPbI <sub>3</sub> 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
126	Deep-Red Perovskite Light-Emitting Diodes Based on One-Step-Formed $\beta$ -CsPbI <sub>3</sub> Cuboid Crystallites. <i>Advanced Materials</i> , 2021, 33, e2105699.	11.1	30



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127	Size-dependent nanocrystal sorbent for copper removal from water. <i>Chemical Engineering Journal</i> , 2016, 284, 565-570.	6.6	28
128	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
129	All-inorganic lead-free metal halide perovskite quantum dots: progress and prospects. <i>Chemical Communications</i> , 2021, 57, 7465-7479.	2.2	28
130	Highly Active IrO <sub>2</sub> Nanoparticles/Black Si Electrode for Efficient Water Splitting with Conformal TiO <sub>2</sub> Interface Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10940-10946.	3.2	27
131	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
132	CH <sub>3</sub> NH <sub>3</sub> Cl Assisted Solvent Engineering for Highly Crystallized and Large Grain Size Mixed-Composition (FAPbI <sub>3</sub> ) <sub>0.85</sub> (MAPbBr <sub>3</sub> ) <sub>0.15</sub> Perovskites. <i>Crystals</i> , 2017, 7, 272.	1.0	26
133	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
134	Secondary battery inspired Ni-nickel hydroxide as an efficient Ni-based heterogeneous catalyst for sulfate radical activation. <i>Science Bulletin</i> , 2018, 63, 278-281.	4.3	25
135	A mixed-cation lead iodide MA <sub>1-x</sub> EA <sub>x</sub> PbI <sub>3</sub> absorber for perovskite solar cells. <i>Journal of Energy Chemistry</i> , 2018, 27, 215-218.	7.1	25
136	A Tandem Water Splitting Cell Based on Nanoporous BiVO <sub>4</sub> Photoanode Cocatalyzed by Ultrasmall Cobalt Borate Sandwiched with Conformal TiO <sub>2</sub> Layers. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16228-16234.	3.2	25
137	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
138	Highly Efficient (110) Orientated FA <sub>1-x</sub> MA <sub>x</sub> Mixed Cation Perovskite Solar Cells via Functionalized Carbon Nanotube and Methylammonium Chloride Additive. <i>Small Methods</i> , 2020, 4, 1900511.	4.6	25
139	Incorporating quantum dots for high efficiency and stable perovskite photovoltaics. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25017-25027.	5.2	24
140	2-Aminobenzenethiol-Functionalized Silver-Decorated Nanoporous Silicon Photoelectrodes for Selective CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11462-11469.	7.2	24
141	Organic Tetrabutylammonium Cation Intercalation to Heal Inorganic CsPbI <sub>3</sub> Perovskite. <i>Angewandte Chemie</i> , 2021, 133, 12459-12463.	1.6	24
142	The ClO <sub>2</sub> ·- generation and chlorate suppression in photoelectrochemical reactive chlorine species systems on BiVO <sub>4</sub> photoanodes. <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120387.	10.8	24
143	Potassium stabilization of methylammonium lead bromide perovskite for robust photocatalytic H <sub>2</sub> generation. <i>EcoMat</i> , 2020, 2, e12015.	6.8	23
144	Lead-Free Cs <sub>2</sub> AgSbCl <sub>6</sub> Double Perovskite Nanocrystals for Effective Visible-Light Photocatalytic C-C Coupling Reactions. <i>ChemSusChem</i> , 2022, 15, e202102334.	3.6	23

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145	Optoelectronic Dichotomy of Mixed Halide CH <sub>3</sub> NH <sub>3</sub> Pb(Br <sub>x</sub> Cl <sub>3-x</sub> ) <sub>3</sub> Single Crystals: Surface versus Bulk Photoluminescence. <i>Journal of the American Chemical Society</i> , 2018, 140, 11811-11819.	6.6	22
146	Inorganic CsPbBr <sub>3</sub> Perovskite Nanocrystals as Interfacial Ion Reservoirs to Stabilize FAPbI <sub>3</sub> Perovskite for Efficient Photovoltaics. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	22
147	Decoupling engineering of formamidinium cesium perovskites for efficient photovoltaics. <i>National Science Review</i> , 2022, 9, .	4.6	22
148	Effect of chloride substitution on interfacial charge transfer processes in MAPbI <sub>3</sub> perovskite thin film solar cells: planar versus mesoporous. <i>Nanoscale Advances</i> , 2019, 1, 827-833.	2.2	21
149	Two-Dimensional Materials for Perovskite Solar Cells with Enhanced Efficiency and Stability. , 2021, 3, 1402-1416.		21
150	In situ modification of BiVO <sub>4</sub> nanosheets on graphene for boosting photocatalytic water oxidation. <i>Nanoscale</i> , 2020, 12, 14853-14862.	2.8	20
151	Wireless Activation of Neurons in Brain Slices Using Nanostructured Semiconductor Photoelectrodes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2407-2410.	7.2	19
152	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
153	Cu <sub>7</sub> S <sub>4</sub> /MnIn <sub>2</sub> S <sub>4</sub> heterojunction for efficient photocatalytic hydrogen generation. <i>Journal of Alloys and Compounds</i> , 2021, 884, 161035.	2.8	19
154	Lead Stabilization and Iodine Recycling of Lead Halide Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16519-16525.	3.2	19
155	Highlights of mainstream solar cell efficiencies in 2021. <i>Frontiers in Energy</i> , 2022, 16, 1-8.	1.2	19
156	In situ gas/solid reaction for the formation of luminescent quantum confined CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> perovskite planar film. <i>Chemical Communications</i> , 2016, 52, 11080-11083.	2.2	18
157	Steric Mixed-Cation 2D Perovskite as a Methylammonium Locker to Stabilize MAPbI <sub>3</sub> . <i>Angewandte Chemie</i> , 2020, 132, 1485-1489.	1.6	18
158	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
159	5-Ammonium Valeric Acid Iodide to Stabilize MAPbI <sub>3</sub> via a Mixed-Cation Perovskite with Reduced Dimension. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8170-8176.	2.1	17
160	Ultrasensitive optical detection of anions by quantum dots. <i>Nanoscale Horizons</i> , 2016, 1, 125-134.	4.1	16
161	Synergistic stabilization of CsPbI <sub>3</sub> inorganic perovskite via 1D capping and secondary growth. <i>Journal of Energy Chemistry</i> , 2022, 68, 387-392.	7.1	16
162	Improvement of the thermoelectric power factor through anisotropic growth of nanostructured PbSe thin films. <i>Dalton Transactions</i> , 2010, 39, 1095-1100.	1.6	14

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163	Brand new 1D branched CuO nanowire arrays for efficient photoelectrochemical water reduction. Dalton Transactions, 2018, 47, 14566-14572.	1.6	14
164	Harvest of ocean energy by triboelectric generator technology. Applied Physics Reviews, 2018, 5, 031303.	5.5	14
165	NiCoP modified lead-free double perovskite Cs <sub>2</sub> AgBiBr <sub>6</sub> for efficient photocatalytic hydrogen generation. New Journal of Chemistry, 2022, 46, 7395-7402.	1.4	14
166	Highly photocatalytic active thiomolybdate [Mo <sub>3</sub> S <sub>13</sub> ] <sup>2-</sup> clusters/Bi <sub>2</sub> WO <sub>6</sub> nanocomposites. Catalysis Today, 2016, 274, 22-27.	2.2	13
167	V-rich Bi <sub>2</sub> S <sub>3</sub> nanowire with efficient charge separation and transport for high-performance and robust photoelectrochemical application under visible light. Catalysis Today, 2020, 350, 47-55.	2.2	13
168	Partial Cu ion exchange induced triangle hexagonal Mn <sub>0.45</sub> Cu <sub>0.05</sub> Cd <sub>0.5</sub> S nanocrystals for enhanced photocatalytic hydrogen evolution. Chemical Communications, 2020, 56, 8127-8130.	2.2	13
169	CuSbS Ternary Semiconductor Nanoparticle Plasmonics. Nano Letters, 2021, 21, 2610-2617.	4.5	13
170	Near UV luminescent Cs <sub>2</sub> NaBi <sub>0.75</sub> Sb <sub>0.25</sub> Cl <sub>6</sub> perovskite colloidal nanocrystals with high stability. Chinese Chemical Letters, 2022, 33, 537-540.	4.8	13
171	The Chemical Design in High-Performance Lead Halide Perovskite: Additive vs Dopant?. Journal of Physical Chemistry Letters, 2021, 12, 11636-11644.	2.1	13
172	A simple fabrication of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite for solar cells using low-purity PbI <sub>2</sub> . Journal of Semiconductors, 2017, 38, 014004.	2.0	12
173	Incorporation of Two-Dimensional WSe <sub>2</sub> into MAPbI <sub>3</sub> Perovskite for Efficient and Stable Photovoltaics. Journal of Physical Chemistry Letters, 2021, 12, 6883-6888.	2.1	12
174	Electrochemical Reactors for Continuous Decentralized H <sub>2</sub> O <sub>2</sub> Production. Angewandte Chemie, 2022, 134, .	1.6	12
175	Cs-content-dependent organic cation exchange in FA <sub>1</sub> -Cs PbI <sub>3</sub> perovskite. Journal of Energy Chemistry, 2022, 72, 539-544.	7.1	12
176	Photoelectrochemical reduction of nitrates with visible light by nanoporous Si photoelectrode. Electrochimica Acta, 2015, 177, 366-369.	2.6	11
177	Relativistic DFT Study on the Reaction Mechanism of Second-Row Transition Metal Ru with CO <sub>2</sub> . Journal of Physical Chemistry A, 2006, 110, 3552-3558.	1.1	10
178	High performance nanoporous silicon photoelectrodes co-catalyzed with an earth abundant [Mo <sub>3</sub> S <sub>13</sub> ] <sup>2-</sup> nanocluster via drop coating. RSC Advances, 2016, 6, 15610-15614.	1.7	10
179	Complete Conversion of PbI <sub>2</sub> to Methyl Ammonium PbI <sub>3</sub> Improves Perovskite Solar Cell Efficiency. ChemPhysChem, 2017, 18, 47-50.	1.0	10
180	Ion-Exchange-Induced 2D-3D Conversion of HMA <sub>1</sub> FA <sub>1</sub> PbI <sub>3</sub> Cl Perovskite into a High-Quality MA <sub>1</sub> FA <sub>1</sub> PbI <sub>3</sub> Perovskite. Angewandte Chemie, 2016, 128, 13658-13662.	1.6	9

#	ARTICLE	IF	CITATIONS
181	Mechanochemically sulfured FeS <sub>1.92</sub> as stable and efficient heterogeneous Fenton catalyst. Chinese Chemical Letters, 2020, 31, 1978-1981.	4.8	9
182	Modification of Ti-doped Hematite Photoanode with Quasi-molecular Cocatalyst: A Comparison of Improvement Mechanism Between Non-noble and Noble Metals. ChemSusChem, 2021, 14, 2180-2187.	3.6	9
183	Recent Progress of Lead Halide Perovskite Sensitized Solar Cells. Acta Chimica Sinica, 2015, 73, 202.	0.5	9
184	Synergetic Nanoarchitectonics of Defects and Cocatalysts in Oxygen-Vacancy-Rich BiVO <sub>4</sub> /reduced graphene oxide Mott-Schottky Heterostructures for Photocatalytic Water Oxidation. ACS Applied Materials & Interfaces, 2022, 14, 12180-12192.	4.0	9
185	In-situ Anchoring Pb-free Cs <sub>3</sub> Bi <sub>2</sub> Br <sub>9</sub> @BiOBr Quantum Dots on NH <sub>x</sub> -rich Silica with Enhanced Blue Emission and Satisfactory Stability for Photocatalytic Toluene Oxidation. ChemSusChem, 2022, 15, .	3.6	9
186	Activating photocatalytic hydrogen generation on inorganic lead-free Cs <sub>2</sub> AgBiBr <sub>6</sub> perovskite via reversible Cu <sup>2+</sup> /Cu <sup>+</sup> redox couple. Journal of Catalysis, 2022, 413, 509-516.	3.1	9
187	Sensing Thermally Denatured DNA by Inhibiting the Growth of Au Nanoparticles: Spectral and Electrochemical Studies. Journal of Physical Chemistry C, 2011, 115, 14461-14468.	1.5	8
188	Photodeposited FeOOH vs electrodeposited Co-Pi to enhance nanoporous BiVO <sub>4</sub> for photoelectrochemical water splitting. Journal of Semiconductors, 2017, 38, 053004.	2.0	8
189	Influence of PbS Quantum Dots-Doped TiO <sub>2</sub> Nanotubes in TiO <sub>2</sub> Film as an Electron Transport Layer for Enhanced Perovskite Solar Cell Performance. IEEE Journal of Photovoltaics, 2020, 10, 287-295.	1.5	8
190	MA Cation-Induced Diffusional Growth of Low-Bandgap FA-Cs Perovskites Driven by Natural Gradient Annealing. Research, 2021, 2021, 9765106.	2.8	8
191	Interface modification of SnO <sub>2</sub> layer using p-n junction double layer for efficiency enhancement of perovskite solar cell. Journal Physics D: Applied Physics, 2020, 53, 505103.	1.3	8
192	Recent Progress of Photocatalysis Based on Metal Halide Perovskites. Acta Chimica Sinica, 2019, 77, 1075.	0.5	8
193	Amorphous NiCoB-coupled MAPbI <sub>3</sub> for efficient photocatalytic hydrogen evolution. Dalton Transactions, 2021, 50, 17960-17966.	1.6	8
194	Tubular morphology preservation and doping engineering of Sn/P-codoped hematite for photoelectrochemical water oxidation. Dalton Transactions, 2019, 48, 928-935.	1.6	7
195	Design of Advanced Functional Materials Using Nanoporous Single-Site Photocatalysts. Chemical Record, 2020, 20, 660-671.	2.9	7
196	Top-down fabrication of colloidal plasmonic MoO <sub>3</sub> nanocrystals via solution chemistry hydrogenation. Chemical Communications, 2020, 56, 4816-4819.	2.2	7
197	Hybrid Phase MoS <sub>2</sub> as a Noble Metal-Free Photocatalyst for Conversion of Nitroaromatics to Aminoaromatics. Journal of Physical Chemistry C, 2021, 125, 20887-20895.	1.5	7
198	Two dimensional porous Ni <sub>12</sub> P <sub>5</sub> sheet modified Mn <sub>0.5</sub> Cd <sub>0.5</sub> S for efficient photo-catalytic hydrogen production. International Journal of Hydrogen Energy, 2022, 47, 8275-8283.	3.8	7

#	ARTICLE	IF	CITATIONS
199	Directional Damping of Plasmons at Metal-Semiconductor Interfaces. <i>Accounts of Chemical Research</i> , 2022, 55, 1845-1856.	7.6	7
200	Fast Charge Diffusion in MAPb <sub>1-x</sub> Br <sub>x</sub> 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
201	2-Aminobenzenethiol-Functionalized Silver-Decorated Nanoporous Silicon Photoelectrodes for Selective CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2020, 132, 11559-11566.	1.6	6
202	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
203	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
204	Stable Pure Iodide MA <sub>0.95</sub> Cs <sub>0.05</sub> Pb <sub>3</sub> Perovskite toward Efficient 1.6 eV Bandgap Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5088-5093.	2.1	5
205	Additive-Assisted Controllable Growth of Perovskites. <i>Series on Chemistry, Energy and the Environment</i> , 2017, , 1-26.	0.3	4
206	Synergetic effects of DMA cation doping and Cl anion additives induced re-growth of MA <sub>1-x</sub> DMA <sub>x</sub> Pb <sub>3</sub> perovskites. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2860-2864.	2.5	4
207	Synthesis and Characterization of Nitrogen-doped SnO <sub>2</sub> and Comparison to Nitrogen-doped CeO <sub>2</sub> Nanoparticles for Visible-light Applications. <i>ECS Transactions</i> , 2009, 16, 67-77.	0.3	3
208	The layer boundary effect on multi-layer mesoporous TiO <sub>2</sub> film based dye sensitized solar cells. <i>RSC Advances</i> , 2016, 6, 98167-98170.	1.7	3
209	Organic Matrix Assisted Low-temperature Crystallization of Black Phase Inorganic Perovskites. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
210	Organic ammonium salt surface treatment stabilizing all-inorganic CsPb <sub>2</sub> Br perovskite. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 158805.	0.2	2
211	Highly Moisture Resistant 5-Aminovaleric Acid Crosslinked CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Perovskite Film with ALD-Al <sub>2</sub> O <sub>3</sub> Protection. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2020, .	2.2	2
212	Surface Coordination Layer to Enhance the Stability of Plasmonic Cu Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27624-27630.	1.5	2
213	Metal Halide Perovskite Optoelectronic Material and Device. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2020, .	2.2	1
214	Solution chemistry quasi-epitaxial growth of atomic CaTiO <sub>3</sub> perovskite layers to stabilize and passivate TiO <sub>2</sub> photoelectrodes for efficient water splitting. <i>Fundamental Research</i> , 2023, 3, 918-925.	1.6	1
215	Colloidal Synthesis of Plasmonic Ultrathin Transition-Metal Oxide Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	1
216	High Efficiency and Stable Cs based Perovskite Solar Cells. , 0, , .		0