Chu Zhang

List of Publications by Year
in descending order

18 papers	816 citations	759055 12 h-index	839398 18 g-index
18 all docs	18 docs citations	18 times ranked	1214 citing authors

#	Article	IF	Citations
1	High Electrical Conductivity 2D MXene Serves as Additive of Perovskite for Efficient Solar Cells. Small, 2018, 14, e1802738.	5.2	193
2	Design of a novel and highly stable lead-free Cs₂NaBiI₆ double perovskite for photovoltaic application. Sustainable Energy and Fuels, 2018, 2, 2419-2428.	2.5	121
3	Achievable highV_{oc}of carbon based all-inorganic CsPbIBr₂perovskite solar cells through interface engineering. Journal of Materials Chemistry A, 2019, 7, 1227-1232.	5.2	115
4	Low-temperature processed non-TiO₂ electron selective layers for perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 4572-4589.	5.2	65
5	Bifunctional Dye Molecule in Allâ€Inorganic CsPbIBr₂ Perovskite Solar Cells with Efficiency Exceeding 10%. Solar Rrl, 2019, 3, 1900212.	3.1	64
6	Excellent Moisture Stability and Efficiency of Inverted All-Inorganic CsPbIBr₂ Perovskite Solar Cells through Molecule Interface Engineering. ACS Applied Materials & Interfaces, 2020, 12, 13931-13940.	4.0	52
7	The Role of Lanthanum in a Nickel Oxideâ€Based Inverted Perovskite Solar Cell for Efficiency and Stability Improvement. ChemSusChem, 2019, 12, 518-526.	3.6	49
8	Novel Lead-Free Material Cs₂PtI₆ with Narrow Bandgap and Ultra-Stability for Its Photovoltaic Application. ACS Applied Materials & Interfaces, 2020, 12, 44700-44709.	4.0	35
9	Surface Management for Carbonâ€Based CsPbI₂Br Perovskite Solar Cell with 14% Power Conversion Efficiency. Solar Rrl, 2021, 5, 2100404.	3.1	24
10	Significantly Enhanced V-oc and Efficiency in Perovskite Solar Cells through Composition Adjustment of SnS₂ Electron Transport Layers. ACS Sustainable Chemistry and Engineering, 2020, 8, 9250-9256.	3.2	18
11	Recent Progress in Perovskite Solar Cells Modified by Sulfur Compounds. Solar Rrl, 2021, 5, 2000713.	3.1	17
12	Aurivillius Halide Perovskite: A New Family of Two-Dimensional Materials for Optoelectronic Applications. Journal of Physical Chemistry C, 2020, 124, 1788-1793.	1.5	13
13	Concentration gradient-controlled growth of large-grain CH₃NH₃PbI₃films and enhanced photovoltaic performance of solar cells under ambient conditions. CrystEngComm, 2016, 18, 9243-9251.	1.3	11
14	Development of a Mixed Halide-chalcogenide Bismuth-based Perovskite MABiI₂S with Small Bandgap and Wide Absorption Range. Chemistry Letters, 2019, 48, 249-252.	0.7	11
15	Recent progress in metal sulfide-based electron transport layers in perovskite solar cells. Nanoscale, 2021, 13, 17272-17289.	2.8	10
16	Intermediate-Controlled Interfacial Engineering for Stable and Highly Efficient Carbon-Based PSCs. ACS Applied Materials & Interfaces, 2020, 12, 34479-34486.	4.0	9
17	Carrier Transport Layerâ€Free Perovskite Solar Cells. ChemSusChem, 2021, 14, 4776-4782.	3.6	8
18	Synthesis of Sb(V) Complexes with Pyridyl Cations and Application for Lead-free Perovskite Solar Cells. Chemistry Letters, 2020, 49, 944-946.	0.7	1