Yinghong Hu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7003468/publications.pdf

Version: 2024-02-01

14 papers	2,468 citations	623188 14 h-index	996533 15 g-index
15 all docs	15 docs citations	15 times ranked	4560 citing authors

#	Article	IF	Citations
1	Reversible Hydration of CH₃NH₃PbI₃ in Films, Single Crystals, and Solar Cells. Chemistry of Materials, 2015, 27, 3397-3407.	3.2	1,133
2	Hybrid Perovskite/Perovskite Heterojunction Solar Cells. ACS Nano, 2016, 10, 5999-6007.	7.3	276
3	Understanding the Role of Cesium and Rubidium Additives in Perovskite Solar Cells: Trap States, Charge Transport, and Recombination. Advanced Energy Materials, 2018, 8, 1703057.	10.2	184
4	Recycling Perovskite Solar Cells To Avoid Lead Waste. ACS Applied Materials & Interfaces, 2016, 8, 12881-12886.	4.0	176
5	Impact of Rubidium and Cesium Cations on the Moisture Stability of Multiple-Cation Mixed-Halide Perovskites. ACS Energy Letters, 2017, 2, 2212-2218.	8.8	167
6	Ionic-to-electronic current amplification in hybrid perovskite solar cells: ionically gated transistor-interface circuit model explains hysteresis and impedance of mixed conducting devices. Energy and Environmental Science, 2019, 12, 1296-1308.	15.6	146
7	The Influence of Water Vapor on the Stability and Processing of Hybrid Perovskite Solar Cells Made from Nonâ€Stoichiometric Precursor Mixtures. ChemSusChem, 2016, 9, 2699-2707.	3.6	77
8	Toward Tailored Film Morphologies: The Origin of Crystal Orientation in Hybrid Perovskite Thin Films. Advanced Materials Interfaces, 2016, 3, 1600403.	1.9	67
9	Identifying and controlling phase purity in 2D hybrid perovskite thin films. Journal of Materials Chemistry A, 2018, 6, 22215-22225.	5.2	59
10	Shedding Light on the Moisture Stability of 3D/2D Hybrid Perovskite Heterojunction Thin Films. ACS Applied Energy Materials, 2019, 2, 1011-1018.	2.5	56
11	Design rules for the preparation of low-cost hole transporting materials for perovskite solar cells with moisture barrier properties. Journal of Materials Chemistry A, 2017, 5, 25200-25210.	5.2	49
12	Solution-processed antireflective coating for back-contact perovskite solar cells. Optics Express, 2020, 28, 12650.	1.7	30
13	Transparent Quasi-Interdigitated Electrodes for Semitransparent Perovskite Back-Contact Solar Cells. ACS Applied Energy Materials, 2018, 1, 4473-4478.	2.5	27
14	Perovskite solar cells with a hybrid electrode structure. AIP Advances, 2019, 9, 125037.	0.6	16