

Yinghong Hu

List of Publications by Year in descending order

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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	Solution-processed antireflective coating for back-contact perovskite solar cells. <i>Optics Express</i> , 2020, 28, 12650.	1.7	30
2	Ionic-to-electronic current amplification in hybrid perovskite solar cells: ionically gated transistor-interface circuit model explains hysteresis and impedance of mixed conducting devices. <i>Energy and Environmental Science</i> , 2019, 12, 1296-1308.	15.6	146
3	Shedding Light on the Moisture Stability of 3D/2D Hybrid Perovskite Heterojunction Thin Films. <i>ACS Applied Energy Materials</i> , 2019, 2, 1011-1018.	2.5	56
4	Perovskite solar cells with a hybrid electrode structure. <i>AIP Advances</i> , 2019, 9, 125037.	0.6	16
5	Understanding the Role of Cesium and Rubidium Additives in Perovskite Solar Cells: Trap States, Charge Transport, and Recombination. <i>Advanced Energy Materials</i> , 2018, 8, 1703057.	10.2	184
6	Identifying and controlling phase purity in 2D hybrid perovskite thin films. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22215-22225.	5.2	59
7	Transparent Quasi-Interdigitated Electrodes for Semitransparent Perovskite Back-Contact Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 4473-4478.	2.5	27
8	Impact of Rubidium and Cesium Cations on the Moisture Stability of Multiple-Cation Mixed-Halide Perovskites. <i>ACS Energy Letters</i> , 2017, 2, 2212-2218.	8.8	167
9	Design rules for the preparation of low-cost hole transporting materials for perovskite solar cells with moisture barrier properties. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25200-25210.	5.2	49
10	Hybrid Perovskite/Perovskite Heterojunction Solar Cells. <i>ACS Nano</i> , 2016, 10, 5999-6007.	7.3	276
11	Recycling Perovskite Solar Cells To Avoid Lead Waste. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12881-12886.	4.0	176
12	Toward Tailored Film Morphologies: The Origin of Crystal Orientation in Hybrid Perovskite Thin Films. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600403.	1.9	67
13	The Influence of Water Vapor on the Stability and Processing of Hybrid Perovskite Solar Cells Made from Non-Stoichiometric Precursor Mixtures. <i>ChemSusChem</i> , 2016, 9, 2699-2707.	3.6	77
14	Reversible Hydration of $\text{CH}_3\text{NH}_3\text{PbI}_3$ in Films, Single Crystals, and Solar Cells. <i>Chemistry of Materials</i> , 2015, 27, 3397-3407.	3.2	1,133