

Hui Yu

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,954
citations

430442

18
h-index

794141

19
g-index

25
all docs

25
docs citations

25
times ranked

3785
citing authors

#	ARTICLE	IF	CITATIONS
1	How Far Are We from Achieving Self-Powered Flexible Health Monitoring Systems: An Energy Perspective. <i>Advanced Energy Materials</i> , 2021, 11, 2002646.	10.2	70
2	Excess Ion-Induced Efficiency Roll-Off in High-Efficiency Perovskite Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28546-28554.	4.0	27
3	Integration of Colloidal Quantum Dots with Photonic Structures for Optoelectronic and Optical Devices. <i>Advanced Science</i> , 2021, 8, e2101560.	5.6	35
4	Role of Excess FAI in Formation of High-Efficiency FAPbI ₃ -Based Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2020, 30, 1906875.	7.8	44
5	Unraveling the origin of resistive switching behavior in organolead halide perovskite based memory devices. <i>AIP Advances</i> , 2020, 10, .	0.6	16
6	Low-temperature solution-processed NiO _x films for air-stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11071-11077.	5.2	113
7	Thin Film Electrochemical Capacitors Based on Organolead Triiodide Perovskite. <i>Advanced Electronic Materials</i> , 2016, 2, 1600114.	2.6	37
8	Porous PbI ₂ films for the fabrication of efficient, stable perovskite solar cells via sequential deposition. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10223-10230.	5.2	56
9	Native Defect-Induced Hysteresis Behavior in Organolead Iodide Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2016, 26, 1411-1419.	7.8	218
10	Carrier-Activated Polarization in Organometal Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2536-2541.	1.5	27
11	HPbI ₃ : A New Precursor Compound for Highly Efficient Solution-Processed Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 1120-1126.	7.8	293
12	High performance inverted structure perovskite solar cells based on a PCBM:polystyrene blend electron transport layer. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9098-9102.	5.2	192
13	Composition-Dependent Light-Induced Dipole Moment Change in Organometal Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1253-1259.	1.5	53
14	Fast, Air-Stable Infrared Photodetectors based on Spray-Deposited Aqueous HgTe Quantum Dots. <i>Advanced Functional Materials</i> , 2014, 24, 53-59.	7.8	82
15	Ternary Bulk Heterojunction Photovoltaic Cells Composed of Small Molecule Donor Additive as Cascade Material. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20094-20099.	1.5	28
16	Photocurrent Enhancement of HgTe Quantum Dot Photodiodes by Plasmonic Gold Nanorod Structures. <i>ACS Nano</i> , 2014, 8, 8208-8216.	7.3	116
17	The Role of Chlorine in the Formation Process of CH ₃ NH ₃ PbI ₃ Cl _x -Perovskite. <i>Advanced Functional Materials</i> , 2014, 24, 7102-7108.	7.8	294
18	Silver-based thermal interface materials with low thermal resistance. , 2012, , .		6

#	ARTICLE	IF	CITATIONS
19	Silver nanoparticle-based thermal interface materials with ultra-low thermal resistance for power electronics applications. Scripta Materialia, 2012, 66, 931-934.	2.6	126
20	Thermal and insulating properties of epoxy/aluminum nitride composites used for thermal interface material. Journal of Applied Polymer Science, 2012, 124, 669-677.	1.3	111
21	Viscosity and thermal conductivity of alumina microball/epoxy composites. , 2011, , .		6
22	Synthesis and low-temperature sintering of tin-doped silver nanoparticles. , 2011, , .		0
23	Dielectric composite material with enhanced thermal conductivity used for electronic packaging. , 2010, , .		4
24	Praseodymium-Doped SiAlON Red Phosphors Prepared by Polymer-Derived Method. , 0, , 351-358.		0