

# 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	The Role of Chlorine in the Formation Process of $\text{CH}_3\text{NH}_3\text{PbCl}_3$ Perovskite. <i>Advanced Functional Materials</i> , 2014, 24, 7102-7108.	7.8	294
2	$\text{HPbI}_3$ : A New Precursor Compound for Highly Efficient Solution-Processed Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 1120-1126.	7.8	293
3	Native Defect-Induced Hysteresis Behavior in Organolead Iodide Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2016, 26, 1411-1419.	7.8	218
4	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
5	Silver nanoparticle-based thermal interface materials with ultra-low thermal resistance for power electronics applications. <i>Scripta Materialia</i> , 2012, 66, 931-934.	2.6	126
6	Photocurrent Enhancement of HgTe Quantum Dot Photodiodes by Plasmonic Gold Nanorod Structures. <i>ACS Nano</i> , 2014, 8, 8208-8216.	7.3	116
7	Low-temperature solution-processed $\text{NiO}_x$ films for air-stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11071-11077.	5.2	113
8	Thermal and insulating properties of epoxy/aluminum nitride composites used for thermal interface material. <i>Journal of Applied Polymer Science</i> , 2012, 124, 669-677.	1.3	111
9	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
10	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
11	Porous $\text{PbI}_2$ 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
12	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
13	Role of Excess FAI in Formation of High-Efficiency $\text{FAPbI}_3$ -Based Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2020, 30, 1906875.	7.8	44
14	Thin Film Electrochemical Capacitors Based on Organolead Triiodide Perovskite. <i>Advanced Electronic Materials</i> , 2016, 2, 1600114.	2.6	37
15	Integration of Colloidal Quantum Dots with Photonic Structures for Optoelectronic and Optical Devices. <i>Advanced Science</i> , 2021, 8, e2101560.	5.6	35
16	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
17	Carrier-Activated Polarization in Organometal Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2536-2541.	1.5	27
18	Excess Ion-Induced Efficiency Roll-Off in High-Efficiency Perovskite Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 28546-28554.	4.0	27

#	ARTICLE	IF	CITATIONS
19	Unraveling the origin of resistive switching behavior in organolead halide perovskite based memory devices. AIP Advances, 2020, 10, .	0.6	16
20	Viscosity and thermal conductivity of alumina microball/epoxy composites. , 2011, , .		6
21	Silver-based thermal interface materials with low thermal resistance. , 2012, , .		6
22	Dielectric composite material with enhanced thermal conductivity used for electronic packaging. , 2010, , .		4
23	Synthesis and low-temperature sintering of tin-doped silver nanoparticles. , 2011, , .		0
24	Praseodymium-Doped SiAlON Red Phosphors Prepared by Polymer-Derived Method. , 0, , 351-358.		0