

Amita Ummadisingu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5196602/publications.pdf>

Version: 2024-02-01

24
papers

5,679
citations

393982

19
h-index

642321

23
g-index

25
all docs

25
docs citations

25
times ranked

8916
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-Scale Length Scale Structure of 2D/3D Dion-Jacobson Hybrid Perovskites Based on an Aromatic Diammonium Spacer. <i>Small</i> , 2022, 18, e2104287.	5.2	10
2	A combined molecular dynamics and experimental study of two-step process enabling low-temperature formation of phase-pure FAPbI_3 . <i>Science Advances</i> , 2021, 7, .	4.7	49
3	Crystal-Size-Induced Band Gap Tuning in Perovskite Films. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21368-21376.	7.2	28
4	Crystal-Size-Induced Band Gap Tuning in Perovskite Films. <i>Angewandte Chemie</i> , 2021, 133, 21538-21546.	1.6	10
5	Supramolecular Modulation of Hybrid Perovskite Solar Cells via Bifunctional Halogen Bonding Revealed by Two-Dimensional ^{19}F Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 1645-1654.	6.6	69
6	Guanine-Stabilized Formamidinium Lead Iodide Perovskites. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4691-4697.	7.2	61
7	Guanine-Stabilized Formamidinium Lead Iodide Perovskites. <i>Angewandte Chemie</i> , 2020, 132, 4721-4727.	1.6	0
8	Formamidinium-Based Dion-Jacobson Layered Hybrid Perovskites: Structural Complexity and Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2020, 30, 2003428.	7.8	61
9	Unravelling the structural complexity and photophysical properties of adamantyl-based layered hybrid perovskites. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17732-17740.	5.2	14
10	Supramolecular Engineering for Formamidinium-Based Layered 2D Perovskite Solar Cells: Structural Complexity and Dynamics Revealed by Solid-State NMR Spectroscopy. <i>Advanced Energy Materials</i> , 2019, 9, 1900284.	10.2	89
11	A chain is as strong as its weakest link – Stability study of MAPbI_3 under light and temperature. <i>Materials Today</i> , 2019, 29, 10-19.	8.3	58
12	Bifunctional Organic Spacers for Formamidinium-Based Hybrid Dion-Jacobson Two-Dimensional Perovskite Solar Cells. <i>Nano Letters</i> , 2019, 19, 150-157.	4.5	218
13	Revealing the detailed path of sequential deposition for metal halide perovskite formation. <i>Science Advances</i> , 2018, 4, e1701402.	4.7	85
14	Poly(ethylene glycol)-[60]Fullerene-Based Materials for Perovskite Solar Cells with Improved Moisture Resistance and Reduced Hysteresis. <i>ChemSusChem</i> , 2018, 11, 1032-1039.	3.6	57
15	Boosting the performance of Cu_2O photocathodes for unassisted solar water splitting devices. <i>Nature Catalysis</i> , 2018, 1, 412-420.	16.1	489
16	The effect of illumination on the formation of metal halide perovskite films. <i>Nature</i> , 2017, 545, 208-212.	18.7	242
17	Spontaneous crystal coalescence enables highly efficient perovskite solar cells. <i>Nano Energy</i> , 2017, 39, 24-29.	8.2	62
18	11% efficiency solid-state dye-sensitized solar cells with copper(II/I) hole transport materials. <i>Nature Communications</i> , 2017, 8, 15390.	5.8	229

#	ARTICLE	IF	CITATIONS
19	Incorporation of rubidium cations into perovskite solar cells improves photovoltaic performance. Science, 2016, 354, 206-209.	6.0	3,137
20	Enhancing Efficiency of Perovskite Solar Cells via N-doped Graphene: Crystal Modification and Surface Passivation. Advanced Materials, 2016, 28, 8681-8686.	11.1	281
21	Ionic Liquid Control Crystal Growth to Enhance Planar Perovskite Solar Cells Efficiency. Advanced Energy Materials, 2016, 6, 1600767.	10.2	224
22	Solar Cells: Ionic Liquid Control Crystal Growth to Enhance Planar Perovskite Solar Cells Efficiency (Adv. Energy Mater. 20/2016). Advanced Energy Materials, 2016, 6, .	10.2	2
23	Characteristics and kinetic study of chitosan prepared from seafood industry waste for oil spills cleanup. Desalination and Water Treatment, 2012, 44, 44-51.	1.0	23
24	Concentrating solar power " Technology, potential and policy in India. Renewable and Sustainable Energy Reviews, 2011, 15, 5169-5175.	8.2	181