

Soumya Kundu

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

309
citations

1307594

7
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

507
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ studies of the degradation mechanisms of perovskite solar cells. <i>EcoMat</i> , 2020, 2, e12025.	11.9	123
2	Improving the moisture stability of perovskite solar cells by using PMMA/P3HT based hole-transport layers. <i>Materials Chemistry Frontiers</i> , 2018, 2, 81-89.	5.9	43
3	Perovskite Solar Cells with Polyaniline Hole Transport Layers Surpassing a 20% Power Conversion Efficiency. <i>Chemistry of Materials</i> , 2021, 33, 4679-4687.	6.7	34
4	Elucidating the Failure Mechanisms of Perovskite Solar Cells in Humid Environments Using In Situ Grazing-Incidence Wide-Angle X-ray Scattering. <i>ACS Energy Letters</i> , 2018, 3, 2127-2133.	17.4	32
5	Scalable Fabrication of Metal Halide Perovskites for Direct X-ray Flat-Panel Detectors: A Perspective. <i>Chemistry of Materials</i> , 2022, 34, 5323-5333.	6.7	22
6	High-throughput exploration of halide perovskite compositionally-graded films and degradation mechanisms. <i>Communications Materials</i> , 2022, 3, .	6.9	14
7	Orthorhombic Non-Perovskite CsPbI ₃ Microwires for Stable High-Resolution X-Ray Detectors. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	14
8	Bismuth Stabilizes the δ -Phase of Formamidinium Lead Iodide Perovskite Single Crystals. , 2022, 4, 707-712.		10
9	Hydrophobic polythiophene hole-transport layers to address the moisture-induced decomposition problem of perovskite solar cells. <i>Canadian Journal of Chemistry</i> , 2019, 97, 435-441.	1.1	8
10	High-Throughput Synthesis of Thin Films for the Discovery of Energy Materials: A Perspective. <i>ACS Materials Au</i> , 2022, 2, 516-524.	6.0	6
11	High length-to-width aspect ratio lead bromide microwires <i>via</i> perovskite-induced local concentration gradient for X-ray detection. <i>CrystEngComm</i> , 2021, 23, 2215-2221.	2.6	3