Soumya Kundu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5162211/publications.pdf

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11	309	1307594	1372567
papers	citations	7	10
		h-index	g-index

11	11	11	507
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bismuth Stabilizes the Î±-Phase of Formamidinium Lead Iodide Perovskite Single Crystals. , 2022, 4, 707-712.		10
2	High-throughput exploration of halide perovskite compositionally-graded films and degradation mechanisms. Communications Materials, 2022, 3, .	6.9	14
3	Orthorhombic Nonâ€Perovskite CsPbI₃ Microwires for Stable Highâ€Resolution Xâ€Ray Detectors. Advanced Optical Materials, 2022, 10, .	7.3	14
4	High-Throughput Synthesis of Thin Films for the Discovery of Energy Materials: A Perspective. ACS Materials Au, 2022, 2, 516-524.	6.0	6
5	Scalable Fabrication of Metal Halide Perovskites for Direct X-ray Flat-Panel Detectors: A Perspective. Chemistry of Materials, 2022, 34, 5323-5333.	6.7	22
6	High length-to-width aspect ratio lead bromide microwires via perovskite-induced local concentration gradient for X-ray detection. CrystEngComm, 2021, 23, 2215-2221.	2.6	3
7	Perovskite Solar Cells with Polyaniline Hole Transport Layers Surpassing a 20% Power Conversion Efficiency. Chemistry of Materials, 2021, 33, 4679-4687.	6.7	34
8	In situ studies of the degradation mechanisms of perovskite solar cells. EcoMat, 2020, 2, e12025.	11.9	123
9	Hydrophobic polythiophene hole-transport layers to address the moisture-induced decomposition problem of perovskite solar cells. Canadian Journal of Chemistry, 2019, 97, 435-441.	1.1	8
10	Improving the moisture stability of perovskite solar cells by using PMMA/P3HT based hole-transport layers. Materials Chemistry Frontiers, 2018, 2, 81-89.	5.9	43
11	Elucidating the Failure Mechanisms of Perovskite Solar Cells in Humid Environments Using In Situ Grazing-Incidence Wide-Angle X-ray Scattering. ACS Energy Letters, 2018, 3, 2127-2133.	17.4	32