

Sudhajit Misra

List of Publications by Year in descending order

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22
papers

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254
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering the Interlayer Spacing by Pre-Intercalation for High Performance Supercapacitor MXene Electrodes in Room Temperature Ionic Liquid. <i>Advanced Functional Materials</i> , 2021, 31, 2104007.	14.9	64
2	In Situ TEM Investigation of Lithium Intercalation in Ti_3C_2X MXenes for Energy Storage Applications. <i>Microscopy and Microanalysis</i> , 2021, 27, 2736-2737.	0.4	5
3	Atomic-scale Feedback-controlled Electron Beam Fabrication of 2D Materials. <i>Microscopy and Microanalysis</i> , 2021, 27, 3072-3073.	0.4	0
4	Engineering the Interlayer Spacing by Pre-Intercalation for High Performance Supercapacitor MXene Electrodes in Room Temperature Ionic Liquid (<i>Adv. Funct. Mater.</i> 33/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170246.	14.9	2
5	Cadmium Selective Etching in CdTe Solar Cells Produces Detrimental Narrow-Gap Te in Grain Boundaries. <i>ACS Applied Energy Materials</i> , 2020, 3, 1749-1758.	5.1	6
6	Observation and Implications of Composition Inhomogeneity Along Grain Boundaries in Thin Film Polycrystalline CdTe Photovoltaic Devices. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900152.	3.7	5
7	Using photoluminescence to monitor the optoelectronic properties of methylammonium lead halide perovskites in light and dark over periods of days. <i>Journal of Luminescence</i> , 2018, 194, 353-358.	3.1	14
8	Mapping carrier lifetime variations in polycrystalline CdTe thin films using confocal microscopy. , 2018, , .		1
9	Thin Film Solar Cells Based on n-type Polycrystalline CdTe Absorber. , 2018, , .		3
10	Growth and characterization of Arsenic doped CdTe single crystals grown by Cd-solvent traveling-heater method. <i>Journal of Crystal Growth</i> , 2017, 467, 6-11.	1.5	20
11	Laser annealing of electrodeposited $CuInSe_2$ semiconductor precursors: experiment and modeling. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1336-1345.	5.5	6
12	$CdTe_{1-x}S_x$ ($x=0.05$) thin films synthesized by aqueous solution deposition and annealing. <i>Materials Research Express</i> , 2017, 4, 115904.	1.6	0
13	Laser Annealed Back Contacts for CdTe Solar Cells. , 2017, , .		0
14	Assessing the Validity and Accuracy of Effective Electronic Materials: Can 1D Simulations Predict Polycrystalline Device Performance?. , 2017, , .		1
15	Chemical bath deposition and laser annealing: A low cost fast process for depositing CdTe thin films. , 2016, , .		1
16	Near infrared laser $CdCl_2$ heat treatment for CdTe solar cells. , 2016, , .		1
17	Near infrared laser annealing of CdTe and <i>in-situ</i> measurement of the evolution of structural and optical properties. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	4
18	Continuous-wave laser driven post deposition chlorine treatment of CdTe. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	CuInSe ₂ semiconductor formation by laser annealing. Thin Solid Films, 2015, 582, 23-26.	1.8	9
20	Laser processing for thin film chalcogenide photovoltaics: a review and prospectus. Journal of Photonics for Energy, 2015, 5, 050999.	1.3	33
21	Sub-bandgap laser annealing of room temperature deposited polycrystalline CdTe. , 2014, , .		5
22	The importance of Se partial pressure in the laser annealing of CuInSe ₂ electrodeposited precursors. , 2014, , .		2