# Sudhajit Misra

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6749906/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 22 papers | 182 citations | 1478505 6 h-index | 1281871 11 g-index |
| 22 all docs | 22 docs citations | 22 times ranked | 254 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Engineering the Interlayer Spacing by Preâ€Intercalation for High Performance Supercapacitor MXene Electrodes in Room Temperature Ionic Liquid. Advanced Functional Materials, 2021, 31, 2104007. | 14.9 | 64 |
| 2 | Laser processing for thin film chalcogenide photovoltaics: a review and prospectus. Journal of Photonics for Energy, 2015, 5, 050999. | 1.3 | 33 |
| 3 | Growth and characterization of Arsenic doped CdTe single crystals grown by Cd-solvent traveling-heater method. Journal of Crystal Growth, 2017, 467, 6-11. | 1.5 | 20 |
| 4 | Using photoluminescence to monitor the optoelectronic properties of methylammonium lead halide perovskites in light and dark over periods of days. Journal of Luminescence, 2018, 194, 353-358. | 3.1 | 14 |
| 5 | CuInSe 2 semiconductor formation by laser annealing. Thin Solid Films, 2015, 582, 23-26. | 1.8 | 9 |
| 6 | Laser annealing of electrodeposited CuInSe2semiconductor precursors: experiment and modeling. Journal of Materials Chemistry C, 2017, 5, 1336-1345. | 5.5 | 6 |
| 7 | Cadmium Selective Etching in CdTe Solar Cells Produces Detrimental Narrow-Gap Te in Grain Boundaries. ACS Applied Energy Materials, 2020, 3, 1749-1758. | 5.1 | 6 |
| 8 | Sub-bandgap laser annealing of room temperature deposited polycrystalline CdTe. , 2014, , . | | 5 |
| 9 | Observation and Implications of Composition Inhomogeneity Along Grain Boundaries in Thin Film Polycrystalline CdTe Photovoltaic Devices. Advanced Materials Interfaces, 2019, 6, 1900152. | 3.7 | 5 |
| 10 | In Situ TEM Investigation of Lithium Intercalation in Ti<sub>3</sub>C<sub>2</sub>T<sub>X</sub> MXenes for Energy Storage Applications. Microscopy and Microanalysis, 2021, 27, 2736-2737. | 0.4 | 5 |
| 11 | Near infrared laser annealing of CdTe and in-situ measurement of the evolution of structural and optical properties. Journal of Applied Physics, 2016, 119, . | 2.5 | 4 |
| 12 | Thin Film Solar Cells Based on n-type Polycrystalline CdTe Absorber. , 2018, , . | | 3 |
| 13 | The importance of Se partial pressure in the laser annealing of CuInSe<inf>2</inf> electrodeposited precursors. , 2014, , . | | 2 |
| 14 | Engineering the Interlayer Spacing by Preâ€Intercalation for High Performance Supercapacitor MXene Electrodes in Room Temperature Ionic Liquid (Adv. Funct. Mater. 33/2021). Advanced Functional Materials, 2021, 31, 2170246. | 14.9 | 2 |
| 15 | Chemical bath deposition and laser annealing: A low cost fast process for depositing CdTe thin films. , 2016, , . | | 1 |
| 16 | Near infrared laser CdCl<inf>2</inf> heat treatment for CdTe solar cells. , 2016, , . | | 1 |
| 17 | Assessing the Validity and Accuracy of Effective Electronic Materials: Can 1D Simulations Predict Polycrystalline Device Performance?. , 2017, , . | | 1 |
| 18 | Mapping carrier lifetime variations in polycrystalline CdTe thin films using confocal microscopy. , 2018, , . | | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Continuous-wave laser driven post deposition chlorine treatment of CdTe. , 2015, , . | | 0 |
| 20 | CdTe<sub>1â^'x</sub>S<sub>x</sub>(xâ€‰â€‰â©½â€‰â€‰0.05) thin films synthesized by aqueous solution deposition and annealing. Materials Research Express, 2017, 4, 115904. | 1.6 | 0 |
| 21 | Laser Annealed Back Contacts for CdTe Solar Cells. , 2017, , . | | 0 |
| 22 | Atomic-scale Feedback-controlled Electron Beam Fabrication of 2D Materials. Microscopy and Microanalysis, 2021, 27, 3072-3073. | 0.4 | 0 |