

Alexandra M Bothwell

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

113
citations

1478505

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1372567

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all docs

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docs citations

10
times ranked

66
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of poly-Si film thickness on textured surfaces by X-ray diffraction in poly-Si/SiO ₂ passivating contacts for monocrystalline Si solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2022, 236, 111510.	6.2	9
2	Sputter-deposited CdMgTe for rear contact to CdSeTe/CdTe solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2022, 237, 111549.	6.2	2
3	Understanding what limits the voltage of polycrystalline CdSeTe solar cells. <i>Nature Energy</i> , 2022, 7, 400-408.	39.5	36
4	Large-Area (Ag,Cu)(In,Ga)Se ₂ Thin-Film Solar Cells with Increased Bandgap and Reduced Voltage Losses Realized with Bulk Defect Reduction and Front Grading of the Absorber Bandgap. <i>Solar Rrl</i> , 2022, 6, .	5.8	6
5	CdTe-Based Solar Cells with Variations in Mg Concentration in the MgZnO Emitter. <i>Solar Rrl</i> , 2021, 5, 2100126.	5.8	13
6	Robust passivation of CdSeTe based solar cells using reactively sputtered magnesium zinc oxide. <i>Solar Energy Materials and Solar Cells</i> , 2021, 233, 111388.	6.2	13
7	Probing the Origin of the Open Circuit Voltage in Perovskite Quantum Dot Photovoltaics. <i>ACS Nano</i> , 2021, 15, 19334-19344.	14.6	18
8	Performance Analysis of 0.4–1.2-µm CdTe Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2020, 10, 259-266.	2.5	7
9	Close-Space Sublimation-Deposited Ultra-Thin CdSeTe/CdTe Solar Cells for Enhanced Short-Circuit Current Density and Photoluminescence. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	3
10	Characterization of thin CdTe solar cells with a CdSeTe front layer. <i>MRS Advances</i> , 2019, 4, 2053-2062.	0.9	6