

Sona Ulicna

List of Publications by Year in descending order

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18
papers

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1040056

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18
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466
citing authors

#	ARTICLE	IF	CITATIONS
1	Metastable Dion-Jacobson 2D structure enables efficient and stable perovskite solar cells. <i>Science</i> , 2022, 375, 71-76.	12.6	216
2	Scalable Deposition of High-Efficiency Perovskite Solar Cells by Spray-Coating. <i>ACS Applied Energy Materials</i> , 2018, 1, 1853-1857.	5.1	78
3	Solution processing of CuIn(S,Se) 2 and Cu(In,Ga)(S,Se) 2 thin film solar cells using metal chalcogenide precursors. <i>Thin Solid Films</i> , 2017, 633, 76-80.	1.8	34
4	Glass/glass photovoltaic module reliability and degradation: a review. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 413002.	2.8	34
5	Testing the Durability of Anti-Soiling Coatings for Solar Cover Glass by Outdoor Exposure in Denmark. <i>Energies</i> , 2020, 13, 299.	3.1	27
6	Deposition and application of a MoN back contact diffusion barrier yielding a 12.0% efficiency solution-processed CIGS solar cell using an amine-thiol solvent system. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7042-7052.	10.3	24
7	Degradation of Hydrophobic, Anti-Soiling Coatings for Solar Module Cover Glass. <i>Energies</i> , 2020, 13, 3811.	3.1	20
8	Sodium doping of solution-processed amine-thiol based CIGS solar cells by thermal evaporation of NaCl. <i>Progress in Photovoltaics: Research and Applications</i> , 2021, 29, 546-557.	8.1	17
9	Study of the crystal structure of SnS thin films by atomic layer deposition. <i>AIP Advances</i> , 2021, 11, .	1.3	14
10	Electrochemical degradation modes in bifacial silicon photovoltaic modules. <i>Progress in Photovoltaics: Research and Applications</i> , 2022, 30, 948-958.	8.1	11
11	Chemical and mechanical interfacial degradation in bifacial glass/glass and glass/transparent backsheet photovoltaic modules. <i>Progress in Photovoltaics: Research and Applications</i> , 2022, 30, 1423-1432.	8.1	8
12	Failure Analysis of a New Polyamide-Based Fluoropolymer-Free Backsheet After Combined-Accelerated Stress Testing. <i>IEEE Journal of Photovoltaics</i> , 2021, 11, 1197-1205.	2.5	7
13	A Comparison of Emerging Nonfluoropolymer-Based Coextruded PV Backsheets to Industry-Benchmark Technologies. <i>IEEE Journal of Photovoltaics</i> , 2022, 12, 88-96.	2.5	7
14	An innovative approach for fabrication of Cu ₂ ZnSnSe ₄ absorber layers using solutions of elemental metal powders. <i>Thin Solid Films</i> , 2017, 633, 151-155.	1.8	6
15	BACKFLIP: Identification of Materials and Changes Upon Aging of Emerging Fluoropolymer-Free and Industry-Benchmark PV Backsheets. , 2021, , .		3
16	Abrasion resistance of hydrophobic, anti-soiling coatings for solar cover glass. , 2020, , .		3
17	Metastable Dion-Jacobson 2D structure enables efficient and stable perovskite solar cells. <i>Science</i> , 2021, , eabj2637.	12.6	2
18	Exploring metastable defect behavior in solution-processed antimony doped CIGS thin film solar cells. , 2018, , .		0