

Sona Ulicna

List of Publications by Year in descending order

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