Dilara Gokcen Buldu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7496720/publications.pdf

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19	175	1478505 6	1125743 13
papers	citations	h-index	g-index

19	19	19	176
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insulator Materials for Interface Passivation of Cu(In,Ga)Se₂ Thin Films. IEEE Journal of Photovoltaics, 2018, 8, 1313-1319.	2.5	39
2	Influence of sulfurization temperature on Cu₂ZnSnS₄ absorber layer on flexible titanium substrates for thin film solar cells. Physica Scripta, 2018, 93, 024002.	2.5	25
3	High V_{oc} upon KF Post-Deposition Treatment for Ultrathin Single-Stage Coevaporated Cu(In, Ga)Se₂ Solar Cells. ACS Applied Energy Materials, 2019, 2, 6102-6111.	5.1	22
4	Rear surface passivation of ultra-thin CIGS solar cells using atomic layer deposited HfO_x. EPJ Photovoltaics, 2020, 11, 10.	1.6	17
5	Inclusion of Water in Cu(In, Ga)Se2 Absorber Material During Accelerated Lifetime Testing. ACS Applied Energy Materials, 2020, 3, 5120-5125.	5.1	14
6	Bias-Dependent Admittance Spectroscopy of Thin-Film Solar Cells: Experiment and Simulation. IEEE Journal of Photovoltaics, 2020, 10, 1102-1111.	2.5	13
7	Revealing the electronic structure, heterojunction band offset and alignment of Cu2ZnGeSe4: a combined experimental and computational study towards photovoltaic applications. Physical Chemistry Chemical Physics, 2021, 23, 9553-9560.	2.8	6
8	Intermediate scale bandgap fluctuations in ultrathin Cu(In,Ga)Se2 absorber layers. Journal of Applied Physics, 2020, 128, 163102.	2.5	5
9	Study of Ammonium Sulfide Surface Treatment for Ultrathin Cu(In,Ga)Se₂ with Different Cu/(Gaâ€‰+â€‰In) Ratios. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000307.	1.8	5
10	Comparative Study of Al₂O₃ and HfO₂ for Surface Passivation of Cu(In,Ga)Se₂ Thin Films: An Innovative Al₂O₃/HfO₂ Multistack Design. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100073.	1.8	5
11	Novel cost-effective approach to produce nano-sized contact openings in an aluminum oxide passivation layer up to 30 nm thick for CIGS solar cells. Journal Physics D: Applied Physics, 2021, 54, 234004.	2.8	4
12	Detrimental Impact of Na Upon Rb Postdeposition Treatments of Cu(In,Ga)Se 2 Absorber Layers. Solar Rrl, 2021, 5, 2100390.	5.8	4
13	A Novel Strategy for the Application of an Oxide Layer to the Front Interface of Cu(In,Ga)Se₂ Thin Film Solar Cells: Al₂O₃/HfO₂ Multi-Stack Design With Contact Openings. IEEE Journal of Photovoltaics, 2022, 12, 301-308.	2.5	4
14	Wet Processing in State-of-the-Art Cu(In,Ga)(S,Se)₂ Thin Film Solar Cells. Solid State Phenomena, 2018, 282, 300-305.	0.3	3
15	KF Postdeposition Treatment in N₂ of Single-Stage Thin Cu(In,Ga)Se₂ Absorber Layers. IEEE Journal of Photovoltaics, 2020, 10, 255-258.	2.5	3
16	Investigating the experimental space for two-step Cu(In,Ga)(S,Se)2 absorber layer fabrication: A design of experiment approach. Thin Solid Films, 2021, 738, 138958.	1.8	3
17	A multi-stack Al₂O₃/HfO₂ design with contact openings for front surface of Cu(In,Ga)Se₂ solar cells. , 2021, , .		1
18	Bias dependent admittance spectroscopy of thin film solar cells: KF post deposition treatment, accelerated lifetime testing, and their effect on the CVf loss maps. Solar Energy Materials and Solar Cells, 2021, 231, 111289.	6.2	1

#	Article	IF	Citations
19	Comparison of a bottom-up and a top-down approach for the creation of contact openings in a multi-stack oxide layer at the front interface of Cu(In,Ga)Se2. Solar Energy, 2022, 237, 161-172.	6.1	1