

Nisika

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

186
citations

1478505

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h-index

1588992

8
g-index

8
all docs

8
docs citations

8
times ranked

155
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface Engineering of CZTS/TiO ₂ Heterojunction Using Wide-Bandgap Ga ₂ O ₃ Passivation Interlayer for Efficient Charge Extraction. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, .	1.8	7
2	Nanoscale charge transport and local surface potential distribution to probe the defect passivation in Cr-substituted earth abundant CZTS absorber layer. Journal of Alloys and Compounds, 2021, 854, 157160.	5.5	24
3	Suppression of interfacial oxygen vacancies for efficient charge extraction at CZTS/TiO ₂ heterojunction. Applied Physics Letters, 2021, 118, .	3.3	12
4	Temporal-spatial-energy resolved advance multidimensional techniques to probe photovoltaic materials from atomistic viewpoint for next-generation energy solutions. Energy and Environmental Science, 2021, 14, 4760-4802.	30.8	12
5	Strain modulation for enhancing Cu-Zn ordering in CZTS absorber layer using seed layer assisted growth for efficient carrier transport. Applied Physics Letters, 2021, 118, .	3.3	6
6	Engineering Cu ₂ ZnSnS ₄ grain boundaries for enhanced photovoltage generation at the Cu ₂ ZnSnS ₄ /TiO ₂ heterojunction: A nanoscale investigation using Kelvin probe force microscopy. Journal of Applied Physics, 2021, 130, .	2.5	6
7	Progress and prospects of CZTSSe/CdS interface engineering to combat high open-circuit voltage deficit of kesterite photovoltaics: a critical review. Journal of Materials Chemistry A, 2020, 8, 21547-21584.	10.3	91
8	Energy level alignment and nanoscale investigation of a-TiO ₂ /Cu-Zn-Sn-S interface for alternative electron transport layer in earth abundant Cu-Zn-Sn-S solar cells. Journal of Applied Physics, 2019, 126, .	2.5	28