

Raghu Vamsi Krishna Chavali

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

372
citations

1170033

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14
docs citations

14
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702
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time monitoring and diagnosis of photovoltaic system degradation only using maximum power point tracking the Suns-Vmp method. Progress in Photovoltaics: Research and Applications, 2019, 27, 55-66.	4.4	37
2	Device physics underlying silicon heterojunction and passivating contact solar cells: A topical review. Progress in Photovoltaics: Research and Applications, 2018, 26, 241-260.	4.4	70
3	A Generalized Theory Explains the Anomalous Suns-V _m Response of Si Heterojunction Solar Cells. IEEE Journal of Photovoltaics, 2017, 7, 169-176.	1.5	32
4	Notice of Removal Suns-Voc characteristics of Si heterojunction solar cells: Role of the heterointerface. , 2017, , .		0
5	Physics-Based computational modeling of moisture ingress in solar modules: Location-specific corrosion and delamination. , 2016, , .		7
6	A Framework for Process-to-Module Modeling of a-Si/c-Si (HIT) Heterojunction Solar Cells to Investigate the Cell-to-Module Efficiency Gap. IEEE Journal of Photovoltaics, 2016, 6, 875-887.	1.5	12
7	The Frozen Potential Approach to Separate the Photocurrent and Diode Injection Current in Solar Cells. IEEE Journal of Photovoltaics, 2015, 5, 865-873.	1.5	11
8	Process-to-panel modeling of a-Si/c-Si heterojunction solar cells. , 2015, , .		0
9	Bifacial Si heterojunction-perovskite organic-inorganic tandem to produce highly efficient (1.1*10 ⁴ %) solar cell. Applied Physics Letters, 2015, 106, .	1.5	82
10	Multiprobe Characterization of Inversion Charge for Self-Consistent Parameterization of HIT Cells. IEEE Journal of Photovoltaics, 2015, 5, 725-735.	1.5	22
11	Correlated Nonideal Effects of Dark and Light I-V Characteristics in a-Si/c-Si Heterojunction Solar Cells. IEEE Journal of Photovoltaics, 2014, 4, 763-771.	1.5	46
12	Numerical method to separate the photo-current and contact injection current in solar cells. , 2014, , .		3
13	Correlation of Built-In Potential and V _c Crossover in Thin-Film Solar Cells. IEEE Journal of Photovoltaics, 2014, 4, 1138-1148.	1.5	45
14	A diagnostic tool for analyzing the current-voltage characteristics in a-Si/c-Si heterojunction solar cells. , 2013, , .		5