

David C Bobela

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

492
citations

1307594

7
h-index

1588992

8
g-index

13
all docs

13
docs citations

13
times ranked

935
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of basic physical properties of Sb ₂ Se ₃ and its relevance for photovoltaics. <i>Frontiers of Optoelectronics</i> , 2017, 10, 18-30.	3.7	301
2	Close Packing of Nitroxide Radicals in Stable Organic Radical Polymeric Materials. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1414-1419.	4.6	44
3	Economic competitiveness of III-V on silicon tandem one-sun photovoltaic solar modules in favorable future scenarios. <i>Progress in Photovoltaics: Research and Applications</i> , 2017, 25, 41-48.	8.1	35
4	Covalently Bound Nitroxyl Radicals in an Organic Framework. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3660-3665.	4.6	33
5	The Relation Between the Bandgap and the Anisotropic Nature of Hydrogenated Amorphous Silicon. <i>IEEE Journal of Photovoltaics</i> , 2012, 2, 94-98.	2.5	28
6	Low-Cost CdTe/Silicon Tandem Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 1767-1772.	2.5	26
7	Simulated potential for enhanced performance of mechanically stacked hybrid III-V/Si tandem photovoltaic modules using DC-DC converters. <i>Journal of Photonics for Energy</i> , 2017, 7, 1.	1.3	12
8	Epitaxial crystal silicon absorber layers and solar cells grown at 1.8 microns per minute. , 2011, , .		8
9	Demonstration of GaInP ₂ /Si Voltage Matched Tandem Solar Cells. , 2017, , .		4
10	High-efficiency Large-area Nanocrystalline Silicon Solar Cells Using MVHF Technology. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1245, 1.	0.1	1
11	Comparative Study of MVHF and RF Deposited Large Area Multi-junction Solar Cells Incorporating Hydrogenated Nano-Crystalline Silicon. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1153, 1.	0.1	0
12	Effects of Grain Boundaries on Performance of Hydrogenated Nanocrystalline Silicon Solar Cells. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1245, 1.	0.1	0
13	Reduced light-induced degradation in a-Si:H: The role of network nanostructure. , 2011, , .		0