David C Bobela

List of Publications by Year
in descending order

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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 Sb2Se3 and its relevance for photovoltaics. Frontiers of Optoelectronics, 2017, 10, 18-30.	3.7	301
2	Low-Cost CdTe/Silicon Tandem Solar Cells. IEEE Journal of Photovoltaics, 2017, 7, 1767-1772.	2.5	26
3	Economic competitiveness of IIIâ€“V on silicon tandem oneâ€sun photovoltaic solar modules in favorable future scenarios. Progress in Photovoltaics: Research and Applications, 2017, 25, 41-48.	8.1	35
4	Demonstration of GaInP2/Si Voltage Matched Tandem Solar Cells. , 2017, , .		4
5	Simulated potential for enhanced performance of mechanically stacked hybrid IIIâ€“V/Si tandem photovoltaic modules using DCâ€“DC converters. Journal of Photonics for Energy, 2017, 7, 1.	1.3	12
6	Covalently Bound Nitroxyl Radicals in an Organic Framework. Journal of Physical Chemistry Letters, 2016, 7, 3660-3665.	4.6	33
7	Close Packing of Nitroxide Radicals in Stable Organic Radical Polymeric Materials. Journal of Physical Chemistry Letters, 2015, 6, 1414-1419.	4.6	44
8	The Relation Between the Bandgap and the Anisotropic Nature of Hydrogenated Amorphous Silicon. IEEE Journal of Photovoltaics, 2012, 2, 94-98.	2.5	28
9	Reduced light-induced degradation in a-Si:H: The role of network nanostructure. , 2011, , .		0
10	Epitaxial crystal silicon absorber layers and solar cells grown at 1.8 microns per minute. , 2011, , .		8
11	High-efficiency Large-area Nanocrystalline Silicon Solar Cells Using MVHF Technology. Materials Research Society Symposia Proceedings, 2010, 1245, 1.	0.1	1
12	Effects of Grain Boundaries on Performance of Hydrogenated Nanocrystalline Silicon Solar Cells. Materials Research Society Symposia Proceedings, 2010, 1245, 1.	0.1	0
13	Comparative Study of MVHF and RF Deposited Large Area Multi-junction Solar Cells Incorporating Hydrogenated Nano-Crystalline Silicon. Materials Research Society Symposia Proceedings, 2009, 1153, 1.	0.1	0