

Juan Villa Morales

List of Publications by Year in descending order

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11
papers

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citations

1040056

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11
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docs citations

11
times ranked

230
citing authors

#	ARTICLE	IF	CITATIONS
1	Wide-Bandgap InAs/InGaP Quantum-Dot Intermediate Band Solar Cells. IEEE Journal of Photovoltaics, 2015, 5, 840-845.	2.5	51
2	Photovoltaic Anodes for Enhanced Thermionic Energy Conversion. ACS Energy Letters, 2020, 5, 1364-1370.	17.4	35
3	Analysis of the intermediate-band absorption properties of type-II GaSb/GaAs quantum-dot photovoltaics. Physical Review B, 2017, 96, .	3.2	32
4	Design of an indium arsenide cell for near-field thermophotovoltaic devices. Journal of Photonics for Energy, 2020, 10, 1.	1.3	16
5	Impact of the Spectrum in the Annual Energy Production of Multijunction Solar Cells. IEEE Journal of Photovoltaics, 2017, 7, 1479-1484.	2.5	13
6	Module interconnection for the three-terminal heterojunction bipolar transistor solar cell. AIP Conference Proceedings, 2018, , .	0.4	11
7	Demonstration of a G Quantum Dot Intermediate Band Solar Cell Operating at Maximum Power Point. Physical Review Letters, 2020, 125, 247703.	7.8	11
8	Contribution to the Study of Sub-Bandgap Photon Absorption in Quantum Dot InAs/AlGaAs Intermediate Band Solar Cells. IEEE Journal of Photovoltaics, 2021, 11, 420-428.	2.5	11
9	Hybrid thermionic-photovoltaic converter with an In _{0.53} Ga _{0.47} As anode. Solar Energy Materials and Solar Cells, 2022, 238, 111588.	6.2	11
10	Impact of the spectrum, location and interconnection between solar cells in the annual production of photovoltaic energies in photovoltaic concentration systems. , 2016, , .		1
11	A substrate removal processing method for III-V solar cells compatible with low-temperature characterization. Materials Science in Semiconductor Processing, 2017, 63, 58-63.	4.0	1