JosÃ© Miguel Cunha

List of Publications by Year
in descending order

19 papers	385 citations	840776 11 h-index	996975 15 g-index
19 all docs	19 docs citations	19 times ranked	410 citing authors

#	Article	IF	Citations
1	On the identification of Sb2Se3 using Raman scattering. MRS Communications, 2018, 8, 865-870.	1.8	73
2	Passivation of Interfaces in Thin Film Solar Cells: Understanding the Effects of a Nanostructured Rear Point Contact Layer. Advanced Materials Interfaces, 2018, 5, 1701101.	3.7	50
3	Growth of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0020.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>Sb</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> thin films by selenization of RF sputtered binary precursors. Solar Energy Materials and Solar Cells, 2018, 187, 219-226.	6.2	45
4	Optical Lithography Patterning of SiO₂ Layers for Interface Passivation of Thin Film Solar Cells. Solar Rrl, 2018, 2, 1800212.	5.8	44
5	Insulator Materials for Interface Passivation of Cu(In,Ga)Se₂ Thin Films. IEEE Journal of Photovoltaics, 2018, 8, 1313-1319.	2.5	39
6	Rear Optical Reflection and Passivation Using a Nanopatterned Metal/Dielectric Structure in Thin-Film Solar Cells. IEEE Journal of Photovoltaics, 2019, 9, 1421-1427.	2.5	21
7	A morphological and electronic study of ultrathin rear passivated Cu(In,Ga)Se2 solar cells. Thin Solid Films, 2019, 671, 77-84.	1.8	21
8	Phase selective growth of Cu12Sb4S13 and Cu3SbS4 thin films by chalcogenization of simultaneous sputtered metal precursors. Journal of Alloys and Compounds, 2019, 797, 1359-1366.	5.5	16
9	Understanding the AC Equivalent Circuit Response of Ultrathin Cu(In,Ga)Se₂ Solar Cells. IEEE Journal of Photovoltaics, 2019, 9, 1442-1448.	2.5	15
10	Highâ€Performance and Industrially Viable Nanostructured SiO_x Layers for Interface Passivation in Thin Film Solar Cells. Solar Rrl, 2021, 5, 2000534.	5.8	15
11	Muon implantation experiments in films: Obtaining depth-resolved information. Review of Scientific Instruments, 2020, 91, 023906.	1.3	13
12	On the Importance of Joint Mitigation Strategies for Front, Bulk, and Rear Recombination in Ultrathin Cu(In,Ga)Se₂ Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 27713-27725.	8.0	11
13	Encapsulation of Nanostructures in a Dielectric Matrix Providing Optical Enhancement in Ultrathin Solar Cells. Solar Rrl, 2020, 4, 2000310.	5.8	10
14	Decoupling of Optical and Electrical Properties of Rear Contact CIGS Solar Cells. IEEE Journal of Photovoltaics, 2019, 9, 1857-1862.	2.5	7
15	Photovoltaics: Passivation of Interfaces in Thin Film Solar Cells: Understanding the Effects of a Nanostructured Rear Point Contact Layer (Adv. Mater. Interfaces 2/2018). Advanced Materials Interfaces, 2018, 5, 1870007.	3.7	2
16	Characterization of the Interfacial Defect Layer in Chalcopyrite Solar Cells by Depthâ€Resolved Muon Spin Spectroscopy. Advanced Materials Interfaces, 0, , 2200374.	3.7	2
17	Perovskite Metalâ€“Oxideâ€“Semiconductor Structures for Interface Characterization. Advanced Materials Interfaces, 2021, 8, 2101004.	3.7	1
18	Equivalent Circuit For AC Response of Cu(In,Ga)Se2 Thin Film Solar Cells. , 2019, , .		0

#	Article	IF	Citations
19	HighâEPerformance and Industrially Viable Nanostructured SiO_x Layers for Interface Passivation in Thin Film Solar Cells. Solar Rrl, 2021, 5, 2170036.	5.8	0