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	Highâ€Performance and Industrially Viable Nanostructured SiO_x Layers for Interface Passivation in Thin Film Solar Cells. Solar Rrl, 2021, 5, 2170036.	5.8	0
2	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
3	Perovskite Metalâ€“Oxideâ€“Semiconductor Structures for Interface Characterization. Advanced Materials Interfaces, 2021, 8, 2101004.	3.7	1
4	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
5	Encapsulation of Nanostructures in a Dielectric Matrix Providing Optical Enhancement in Ultrathin Solar Cells. Solar Rrl, 2020, 4, 2000310.	5.8	10
6	Muon implantation experiments in films: Obtaining depth-resolved information. Review of Scientific Instruments, 2020, 91, 023906.	1.3	13
7	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
8	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
9	Decoupling of Optical and Electrical Properties of Rear Contact CIGS Solar Cells. IEEE Journal of Photovoltaics, 2019, 9, 1857-1862.	2.5	7
10	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
11	Equivalent Circuit For AC Response of Cu(In,Ga)Se2 Thin Film Solar Cells. , 2019, , .		0
12	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
13	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
14	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
15	Optical Lithography Patterning of SiO₂ Layers for Interface Passivation of Thin Film Solar Cells. Solar Rrl, 2018, 2, 1800212.	5.8	44
16	On the identification of Sb2Se3 using Raman scattering. MRS Communications, 2018, 8, 865-870.	1.8	73
17	Insulator Materials for Interface Passivation of Cu(In,Ga)Se₂ Thin Films. IEEE Journal of Photovoltaics, 2018, 8, 1313-1319.	2.5	39
18	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></m thin films by selenization of RF sputtered binary precursors. Solar Energy Materials and Solar Cells, 2018, 187, 219-226.	6.2	45

#	Article	IF	Citations
19	Characterization of the Interfacial Defect Layer in Chalcopyrite Solar Cells by Depthâ€Resolved Muon Spin Spectroscopy. Advanced Materials Interfaces, 0, , 2200374.	3.7	2