

M E Calixto

List of Publications by Year in descending order

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papers

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1040056

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26
times ranked

454
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling Growth Chemistry and Morphology of Single-Bath Electrodeposited Cu(In,Ga)Se ₂ Thin Films for Photovoltaic Application. Journal of the Electrochemical Society, 2006, 153, G521.	2.9	105
2	Structural, optical, and electrical properties of tin sulfide thin films grown by spray pyrolysis. Thin Solid Films, 2009, 517, 2497-2499.	1.8	104
3	Electrodeposition of CuInSe ₂ absorber layers from pH buffered and non-buffered sulfate-based solutions. Thin Solid Films, 2008, 516, 2188-2194.	1.8	43
4	Porous CdS:CdO composite structure formed by screen printing and sintering of CdS in air. Thin Solid Films, 2000, 360, 128-132.	1.8	25
5	Poly-3-methylthiophene/ solar cell formed by electrodeposition and processing. Semiconductor Science and Technology, 1998, 13, 1459-1462.	2.0	23
6	Characterization of co-electrodeposited and selenized CIS (CuInSe ₂) thin films. Thin Solid Films, 1997, 298, 92-97.	1.8	22
7	Study of chemical bath deposited CdS bi-layers and their performance in CdS/CdTe solar cell applications. Thin Solid Films, 2008, 516, 7004-7007.	1.8	15
8	Optical and electrical characterization of AgInS ₂ thin films deposited by spray pyrolysis. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 174, 253-256.	3.5	15
9	A 10% Cu(In,Ga)Se ₂ Based Photovoltaic Structure Formed by Electrodeposition and Subsequent Thermal Processing. Journal of the Electrochemical Society, 1998, 145, 3613-3615.	2.9	10
10	Structural, morphology and optical properties of NaYF ₄ thin films doped with trivalent lanthanide ions. Journal of Materials Science: Materials in Electronics, 2019, 30, 4855-4866.	2.2	10
11	X-ray diffraction and compositional studies of AgInS ₂ thin films obtained by spray pyrolysis. Journal of Materials Science, 2008, 43, 6848-6852.	3.7	9
12	Electro/electroless deposition and characterization of Cu-In precursors for CIS (CuInSe ₂) films. Journal of Crystal Growth, 1996, 169, 287-292.	1.5	8
13	CaF ₂ thin films obtained by electrochemical processes and the effect of Tb ³⁺ doping concentration on their structural and optical properties. Journal of Solid State Electrochemistry, 2018, 22, 2465-2472.	2.5	7
14	On the doping problem of CdTe films: The bismuth case. Thin Solid Films, 2008, 516, 7013-7015.	1.8	5
15	Semiconducting CuIn(SX,Se _{1-x}) ₂ thin-film solar cells modeling using SCAPS-1D. MRS Advances, 0, , .	0.9	5
16	Electrodeposition and characterization of one-dimensional CuInSe ₂ nanostructures in mesoporous silicon templates. Open Material Sciences, 2016, 3, .	0.8	4
17	Semiconducting Cu ₂ Se thin films obtained by electrochemical deposition for possible applications in thermoelectric systems. MRS Advances, 2022, 7, 1-4.	0.9	3
18	Growth of highly c-axis oriented ZnO thin films by spray pyrolysis for piezoelectric applications. Materials Science in Semiconductor Processing, 2022, 144, 106585.	4.0	3

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19	Nanostructured CuInSe ₂ by electrodeposition with the assistance of porous silicon templates. <i>Materials Chemistry and Physics</i> , 2015, 163, 362-368.	4.0	2
20	Harnessing the Aqueous Chemistry of Silicon: Self-Assembling Porous Silicon/Silica Microribbons. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27162-27169.	8.0	2
21	Band gap tuning of Cu(In,Ga)Se ₂ thin films by electrodeposition and their subsequent selenization using a rapid thermal annealing system. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 591-601.	2.5	2
22	Preparation and characterization of electrodeposited CuInSe ₂ thin films on flexible substrates for solar cell applications. , 2012, , .		1
23	Applications of porous silicon formed by electrochemical etching using an electrolyte based on HF:formaldehyde. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 111, 1077-1083.	2.3	1
24	Photovoltaic structures based on Cu(In, Ga)Se ₂ thin films prepared by thermal co-evaporation. , 2011, , .		0
25	Effective electrochemical n-type doping of ZnO thin films for photovoltaic window applications. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1538, 215-220.	0.1	0
26	Synthesis and Characterization of CaF ₂ Thin Films Doped with Tb ³⁺ . <i>MRS Advances</i> , 2017, 2, 147-152.	0.9	0