

Miguel Contreras

List of Publications by Year in descending order

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21
papers

681
citations

1040056

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1125743

13
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22
all docs

22
docs citations

22
times ranked

896
citing authors

#	ARTICLE	IF	CITATIONS
1	CIGS absorbers and processes. Progress in Photovoltaics: Research and Applications, 2010, 18, 453-466.	8.1	403
2	Determination of the minority carrier diffusion length in compositionally graded Cu(In,Ga)Se ₂ solar cells using electron beam induced current. Applied Physics Letters, 2010, 96, .	3.3	66
3	Graded band-gap Cu(In,Ga)Se ₂ thin-film solar cell absorber with enhanced open-circuit voltage. Applied Physics Letters, 1993, 63, 1824-1826.	3.3	46
4	A comparative study of Zn(O,S) buffer layers and CIGS solar cells fabricated by CBD, ALD, and sputtering. , 2012, , .		28
5	Industrial application integration using the unification approach to agent-enabled semantic SOA. Robotics and Computer-Integrated Manufacturing, 2008, 24, 680-695.	9.9	22
6	Design and implementation of a FIPA compliant agent platform in .NET.. Journal of Object Technology, 2004, 3, 5.	0.9	20
7	Charge-carrier dynamics in polycrystalline thin-film CuIn _{1-x} Ga _x Se ₂ photovoltaic devices after pulsed laser excitation: Interface and space-charge region analysis. Journal of Applied Physics, 2015, 117, .	2.5	15
8	Quantitative imaging of electronic nonuniformities in Cu(In,Ga)Se ₂ solar cells. Journal of Applied Physics, 2010, 108, 074516.	2.5	13
9	Theory of electroluminescence intensity and insights into recombination in thin film solar cells. Applied Physics Letters, 2010, 96, .	3.3	12
10	Application of Single-Wall Carbon Nanotubes as Transparent Electrodes in Cu(In,Ga)Se ₂ -Based Solar Cells. , 2006, , .		10
11	Grazing Incidence Cross-Sectioning of Thin-Film Solar Cells via Cryogenic Focused Ion Beam: A Case Study on CIGSe. ACS Applied Materials & Interfaces, 2016, 8, 14994-14999.	8.0	10
12	Ontology-driven intelligent service for configuration support in networked organizations. Knowledge and Information Systems, 2007, 12, 229-253.	3.2	9
13	Cu(In,Ga)Se ₂ solar cells measured under low flux optical concentration. , 2014, , .		8
14	Implementation of an Ontology Sharing Mechanism for Multiagent Systems Based on Web Services. Lecture Notes in Computer Science, 2004, , 54-63.	1.3	4
15	Density profiles in sputtered molybdenum thin films and their effects on sodium diffusion in Cu(In _x Ga _{1-x})Se ₂ photovoltaics. , 2011, , .		3
16	Thin-film polycrystalline. , 1997, , .		1
17	A Barrier to Trap Filling in CuIn _{1-x} Ga _x Se ₂ . Materials Research Society Symposia Proceedings, 2003, 763, 5241.	0.1	1
18	Effects of substrate temperature on the optical properties of polycrystalline CuInSe ₂ thin films. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
19	The Effect of Ga Content on the Recombination Behavior of Grain Boundaries in Cu(In,Ga)Se ₂ Solar Cells. Materials Research Society Symposia Proceedings, 2014, 1670, 19.	0.1	1
20	Impact of buffer and absorber properties in the vicinity of the interface on wide-gap Cu(In,Ga)Se ₂ solar cell performance. , 2014, , .		1
21	Soft X-ray absorption spectroscopy investigation of the surface chemistry and treatments of copper indium gallium diselenide (CIGS). Solar Energy Materials and Solar Cells, 2017, 160, 390-397.	6.2	0