

# Miguel Contreras

## List of Publications by Year in descending order

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21  
papers

681  
citations

1040056

9  
h-index

1125743

13  
g-index

22  
all docs

22  
docs citations

22  
times ranked

896  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft X-ray absorption spectroscopy investigation of the surface chemistry and treatments of copper indium gallium diselenide (CIGS). <i>Solar Energy Materials and Solar Cells</i> , 2017, 160, 390-397.	6.2	0
2	Grazing Incidence Cross-Sectioning of Thin-Film Solar Cells via Cryogenic Focused Ion Beam: A Case Study on CIGSe. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14994-14999.	8.0	10
3	Charge-carrier dynamics in polycrystalline thin-film $\text{CuIn}_{1-x}\text{Ga}_x\text{Se}_2$ photovoltaic devices after pulsed laser excitation: Interface and space-charge region analysis. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	15
4	$\text{Cu}(\text{In,Ga})\text{Se}_2$ solar cells measured under low flux optical concentration. , 2014, , .		8
5	The Effect of Ga Content on the Recombination Behavior of Grain Boundaries in $\text{Cu}(\text{In,Ga})\text{Se}_2$ Solar Cells. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1670, 19.	0.1	1
6	Impact of buffer and absorber properties in the vicinity of the interface on wide-gap $\text{Cu}(\text{In,Ga})\text{Se}_2$ solar cell performance. , 2014, , .		1
7	A comparative study of $\text{Zn}(\text{O,S})$ buffer layers and CIGS solar cells fabricated by CBD, ALD, and sputtering. , 2012, , .		28
8	Density profiles in sputtered molybdenum thin films and their effects on sodium diffusion in $\text{Cu}(\text{In,Ga})\text{Se}_2$ photovoltaics. , 2011, , .		3
9	CIGS absorbers and processes. <i>Progress in Photovoltaics: Research and Applications</i> , 2010, 18, 453-466.	8.1	403
10	Determination of the minority carrier diffusion length in compositionally graded $\text{Cu}(\text{In,Ga})\text{Se}_2$ solar cells using electron beam induced current. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	66
11	Quantitative imaging of electronic nonuniformities in $\text{Cu}(\text{In,Ga})\text{Se}_2$ solar cells. <i>Journal of Applied Physics</i> , 2010, 108, 074516.	2.5	13
12	Effects of substrate temperature on the optical properties of polycrystalline $\text{CuInSe}_2$ thin films. , 2010, , .		1
13	Theory of electroluminescence intensity and insights into recombination in thin film solar cells. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	12
14	Industrial application integration using the unification approach to agent-enabled semantic SOA. <i>Robotics and Computer-Integrated Manufacturing</i> , 2008, 24, 680-695.	9.9	22
15	Ontology-driven intelligent service for configuration support in networked organizations. <i>Knowledge and Information Systems</i> , 2007, 12, 229-253.	3.2	9
16	Application of Single-Wall Carbon Nanotubes as Transparent Electrodes in $\text{Cu}(\text{In,Ga})\text{Se}_2$ -Based Solar Cells. , 2006, , .		10
17	Implementation of an Ontology Sharing Mechanism for Multiagent Systems Based on Web Services. <i>Lecture Notes in Computer Science</i> , 2004, , 54-63.	1.3	4
18	Design and implementation of a FIPA compliant agent platform in .NET.. <i>Journal of Object Technology</i> , 2004, 3, 5.	0.9	20

#	ARTICLE	IF	CITATIONS
19	A Barrier to Trap Filling in $\text{CuIn}_{1-x}\text{Ga}_x\text{Se}_2$ . Materials Research Society Symposia Proceedings, 2003, 763, 5241.	0.1	1
20	Thin-film polycrystalline. , 1997, , .		1
21	Graded band-gap $\text{Cu}(\text{In,Ga})\text{Se}_2$ thin-film solar cell absorber with enhanced open-circuit voltage. Applied Physics Letters, 1993, 63, 1824-1826.	3.3	46