

Jrôme Steinhauser

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

932
citations

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19
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1,002
ext. citations

3.5
avg, IF

3.54
L-index

#	Paper	IF	Citations
19	Transition between grain boundary and intragrain scattering transport mechanisms in boron-doped zinc oxide thin films. <i>Applied Physics Letters</i> , 2007 , 90, 142107	3.4	215
18	Opto-electronic properties of rough LP-CVD ZnO:B for use as TCO in thin-film silicon solar cells. <i>Thin Solid Films</i> , 2007 , 515, 8558-8561	2.2	174
17	Polycrystalline ZnO: B grown by LPCVD as TCO for thin film silicon solar cells. <i>Thin Solid Films</i> , 2010 , 518, 2961-2966	2.2	140
16	Towards very low-cost mass production of thin-film silicon photovoltaic (PV) solar modules on glass. <i>Thin Solid Films</i> , 2006 , 502, 292-299	2.2	103
15	Temperature dependence of the conductivity in large-grained boron-doped ZnO films. <i>Solar Energy Materials and Solar Cells</i> , 2007 , 91, 1269-1274	6.4	54
14	Relaxing the Conductivity/Transparency Trade-Off in MOCVD ZnO Thin Films by Hydrogen Plasma. <i>Advanced Functional Materials</i> , 2013 , 23, 5177-5182	15.6	52
13	High-Efficiency P-I-N Microcrystalline and Micromorph Thin Film Silicon Solar Cells Deposited on LPCVD ZnO Coated Glass Substrates 2006 ,		45
12	Electrical transport in boron-doped polycrystalline zinc oxide thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 1983-1987	1.6	33
11	Humid environment stability of low pressure chemical vapor deposited boron doped zinc oxide used as transparent electrodes in thin film silicon solar cells. <i>Thin Solid Films</i> , 2011 , 520, 558-562	2.2	30
10	Improved open-circuit voltage in Cu(In,Ga)Se ₂ solar cells with high work function transparent electrodes. <i>Journal of Applied Physics</i> , 2015 , 117, 225303	2.5	23
9	Improving low pressure chemical vapor deposited zinc oxide contacts for thin film silicon solar cells by using rough glass substrates. <i>Thin Solid Films</i> , 2011 , 520, 1218-1222	2.2	15
8	2006 ,		12
7	From R&D to Mass Production of Micromorph Thin Film Silicon PV. <i>Energy Procedia</i> , 2012 , 15, 179-188	2.3	11
6	Evolution of carbon impurities in solution-grown and sputtered Al:ZnO thin films exposed to UV light and damp heat degradation. <i>RSC Advances</i> , 2016 , 6, 53768-53776	3.7	8
5	Resistivity transients in solution-processed transparent ZnO thin films as a function of UV illumination wavelength. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017 , 214, 1600853	1.6	5
4	Advanced light management in Micromorph solar cells. <i>Energy Procedia</i> , 2010 , 2, 35-39	2.3	5
3	Boron Doping Effects on the Electro-optical Properties of Zinc Oxide Thin Films Deposited by Low-Pressure Chemical Vapor Deposition Process. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 928, 1		4

- 2 From R&D to Large-Area Modules at Oerlikon Solar. *Materials Research Society Symposia Proceedings*, **2010**, 1245, 1 2
- 1 Thin film silicon PV: From R&D to large-area production equipment **2011**, 1