

Gabriel Micard

List of Publications by Year in descending order

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papers

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citations

1163117

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940533

16
g-index

19
all docs

19
docs citations

19
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	GD-OES depth profiling and calibration of B doped dielectric layers. AIP Conference Proceedings, 2019, , .	0.4	0
2	On the characteristics of the doping profile under local metal contacts. AIP Conference Proceedings, 2018, , .	0.4	0
3	Extraction of individual components of series resistance using TCAD simulations meeting the requirements of 2- and 3-dimensional carrier flow of IBC solar cells. Energy Procedia, 2017, 124, 113-119.	1.8	2
4	Investigation of fill factor losses on 20.2% efficient n ⁺ -type mono ⁺ -like silicon solar cells with laser contact opening. Physica Status Solidi - Rapid Research Letters, 2016, 10, 143-147.	2.4	7
5	Enhanced Oxidation of Thermally Grown SiO ₂ Due to P Precipitates. Energy Procedia, 2016, 92, 457-465.	1.8	1
6	Capacitance-voltage spectroscopy and analysis of dielectric intrinsic amorphous silicon thin films. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 724-728.	0.8	1
7	Surface Recombination Velocity of Local Al-contacts of PERC Solar Cells Determined from LBIC Measurements and 2D Simulation. Energy Procedia, 2016, 92, 82-87.	1.8	9
8	Injection in light beam induced current systems: An analytical model. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 1329-1339.	1.8	0
9	Characterization of local Al-contacts by light beam induced current measurements and their verification by 2D simulation using flexPDE. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 1317-1323.	1.8	1
10	Analytical models for the series resistance of selective emitters in silicon solar cells including the effect of busbars. Progress in Photovoltaics: Research and Applications, 2015, 23, 135-149.	8.1	4
11	Influence of electrodes' distance upon properties of intrinsic and doped amorphous silicon films for heterojunction solar cells. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1106-1112.	1.8	4
12	Electrical, optical and structural investigation of plasma-enhanced chemical-vapor-deposited amorphous silicon oxynitride films for solar cell applications. Solar Energy Materials and Solar Cells, 2013, 108, 180-188.	6.2	28
13	Relationships between Diffusion Parameters and Phosphorus Precipitation during the POCl ₃ Diffusion Process. Energy Procedia, 2013, 38, 254-262.	1.8	45
14	Free energy loss analysis of heterojunction solar cells. Physica Status Solidi - Rapid Research Letters, 2013, 7, 322-325.	2.4	9
15	Solar Cell Improvement by using a Multi Busbar Design as Front Electrode. Energy Procedia, 2012, 27, 227-233.	1.8	54
16	Time-resolved photoluminescence imaging with electronic shuttering using an image intensifier unit. Solar Energy Materials and Solar Cells, 2012, 106, 55-59.	6.2	22
17	Minority charge carrier lifetime mapping of crystalline silicon wafers by time-resolved photoluminescence imaging. Journal of Applied Physics, 2011, 110, .	2.5	54
18	Influence of defect type on hydrogen passivation efficacy in multicrystalline silicon solar cells. Progress in Photovoltaics: Research and Applications, 2011, 19, 187-191.	8.1	33

#	ARTICLE	IF	CITATIONS
19	Electrical and structural properties of n -type nanocrystalline silicon grown by LEPECVD for photovoltaic applications. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 712-715.	0.8	1