

# Gabriel Micard

## List of Publications by Year in descending order

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19  
papers

275  
citations

1163117

8  
h-index

940533

16  
g-index

19  
all docs

19  
docs citations

19  
times ranked

340  
citing authors

#	ARTICLE	IF	CITATIONS
1	Minority charge carrier lifetime mapping of crystalline silicon wafers by time-resolved photoluminescence imaging. Journal of Applied Physics, 2011, 110, .	2.5	54
2	Solar Cell Improvement by using a Multi Busbar Design as Front Electrode. Energy Procedia, 2012, 27, 227-233.	1.8	54
3	Relationships between Diffusion Parameters and Phosphorus Precipitation during the POCl <sub>3</sub> Diffusion Process. Energy Procedia, 2013, 38, 254-262.	1.8	45
4	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
5	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
6	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
7	Free energy loss analysis of heterojunction solar cells. Physica Status Solidi - Rapid Research Letters, 2013, 7, 322-325.	2.4	9
8	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
9	Investigation of fill factor losses on 20.2% efficient n-type mono-crystalline silicon solar cells with laser contact opening. Physica Status Solidi - Rapid Research Letters, 2016, 10, 143-147.	2.4	7
10	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
11	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
12	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
13	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
14	Enhanced Oxidation of Thermally Grown SiO <sub>2</sub> Due to P Precipitates. Energy Procedia, 2016, 92, 457-465.	1.8	1
15	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
16	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
17	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
18	On the characteristics of the doping profile under local metal contacts. AIP Conference Proceedings, 2018, , .	0.4	0

#	ARTICLE	IF	CITATIONS
19	GD-OES depth profiling and calibration of B doped dielectric layers. AIP Conference Proceedings, 2019, , ·	0.4	0