

Gerard Masmitja

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

620
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1305906

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docs citations

17
times ranked

821
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic layer deposition of vanadium oxide films for crystalline silicon solar cells. <i>Materials Advances</i> , 2022, 3, 337-345.	2.6	20
2	Interdigitated back-contacted crystalline silicon solar cells fully manufactured with atomic layer deposited selective contacts. <i>Solar Energy Materials and Solar Cells</i> , 2022, 240, 111731.	3.0	8
3	Low-Cost High-Sensitive Sunsâ€™“\$V_{\text{oc}}\$ Measurement Instrument to Characterize c-Si Solar Cells. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 6429-6435.	2.4	6
4	Improved Electron Selectivity in Silicon Solar Cells by Cathode Modification with a Dipolar Conjugated Polyelectrolyte Interlayer. <i>ACS Applied Energy Materials</i> , 2019, 2, 5954-5959.	2.5	8
5	Interdigitated back-contacted crystalline silicon solar cells with low-temperature dopant-free selective contacts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3977-3985.	5.2	48
6	V₂O_x-based hole-selective contacts for c-Si interdigitated back-contacted solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9182-9189.	5.2	94
7	Cost-effective cleaning solutions based on H₂/O/NH₃/H₂/O₂/mixtures for ALD Al₂/O₃/passivated IBC c-Si solar cells. , 2017, , .		0
8	Interdigitated back contacted c-Si(p) solar cells with photovoltaic efficiencies beyond 22%. , 2017, , .		2
9	Silicon solar cells with heterojunction emitters and laser processed base contacts. <i>Energy Procedia</i> , 2017, 124, 604-611.	1.8	4
10	Passivating/hole-selective contacts based on V2O5/SiOx stacks deposited at ambient temperature. <i>Energy Procedia</i> , 2017, 124, 584-592.	1.8	33
11	Back Junction n-type Silicon Heterojunction Solar Cells with V2O5 Hole-selective Contact. <i>Energy Procedia</i> , 2016, 92, 633-637.	1.8	25
12	IBC c-Si(n) Solar Cells Based on Laser Doping Processing for Selective Emitter and Base Contact Formation. <i>Energy Procedia</i> , 2016, 92, 956-961.	1.8	9
13	Transition metal oxides as hole-selective contacts in silicon heterojunctions solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 145, 109-115.	3.0	328
14	GUANAY-II: an autonomous underwater vehicle for vertical/horizontal sampling. <i>Journal of Marine Science and Technology</i> , 2015, 20, 81-93.	1.3	17
15	Boron diffused emitters passivated with Al₂O₃ films. , 2013, , .		0
16	Design and construction of the GUANAY-II autonomous underwater vehicle. , 2011, , .		7
17	Development of a control system for an Autonomous Underwater Vehicle. , 2010, , .		11