San Theingi

List of Publications by Year
in descending order

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20 papers	156 citations	1307594 7 h-index	1372567 10 g-index
20 all docs	20 docs citations	20 times ranked	219 citing authors

#	Article	IF	Citations
1	Measurement of poly-Si film thickness on textured surfaces by X-ray diffraction in poly-Si/SiO passivating contacts for monocrystalline Si solar cells. Solar Energy Materials and Solar Cells, 2022, 236, 111510.	6.2	9
2	Controlled spalling of (100)-oriented GaAs with a nanoimprint lithography interlayer for thin-film layer transfer without facet formation. Thin Solid Films, 2022, 742, 139049.	1.8	4
3	Self-Aligned Selective Area Front Contacts on Poly-Si/SiO _x Passivating Contact c-Si Solar Cells. IEEE Journal of Photovoltaics, 2022, 12, 678-689.	2.5	10
4	Facet Suppression in (100) GaAs spalling via use of a Nanoimprint Lithography Release Layer. , 2021, , .		0
5	Effective Dielectric Passivation Scheme in Area-Selective Front/Back Poly-Si/SiOx Passivating Contact Solar Cells. , 2021, , .		0
6	Understanding improvements in coalesced epilayers grown over nanopatterned substrates. , 2021, , .		0
7	Trap-Assisted Dopant Compensation Prevents Shunting in Poly-Si Passivating Interdigitated Back Contact Silicon Solar Cells. ACS Applied Energy Materials, 2021, 4, 10774-10782.	5.1	8
8	Development of High-Efficiency GaAs Solar Cells Grown on Nanopatterned GaAs Substrates. Crystal Growth and Design, 2021, 21, 5955-5960.	3.0	11
9	Isolating p- and n-Doped Fingers With Intrinsic Poly-Si in Passivated Interdigitated Back Contact Silicon Solar Cells. IEEE Journal of Photovoltaics, 2020, 10, 1574-1581.	2.5	12
10	Submicron Thickness Characterization of poly-Si thin films on Textured Surfaces by X-ray Diffraction for Minimizing Parasitic Absorption in Poly-Si/SiO2 Passivating Contact Cells. , 2020, , .		0
11	Pinhole formation in poly-Si/SiOx passivating contacts on Si(111)-oriented textures. , 2020, , .		0
12	Effect of Crystallographic Orientation and Nanoscale Surface Morphology on Poly-Si/SiO_x Contacts for Silicon Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 42021-42031.	8.0	29
13	Critical interface: Poly-silicon to tunneling SiO2 for passivated contact performance. AIP Conference Proceedings, 2019, , .	0.4	2
14	Luminescent Solar Concentrator Tandem-on-Silicon with above 700mV Passivated Contact Silicon Bottom Cell. , 2019, , .		0
15	Self-Aligned, Selective Area Poly-Si/SiO₂ Passivated Contacts for Enhanced Photocurrent in Front/Back Solar Cells. , 2019, , .		1
16	Gallium-Doped Poly-Si:Ga/SiO2 Passivated Emitters to n-Cz Wafers With iV oc >730 mV. IEEE Journal of Photovoltaics, 2017, 7, 1640-1645.	2.5	31
17	Self Aligned Aluminum Selective Emitter for n-type Si Cells. , 2017, , .		0
18	Plasma immersion ion implantation for interdigitated back passivated contact (IBPC) solar cells. , 2016, , .		1

#	Article	IF	Citations
19	Bandgap and carrier transport engineering of quantum confined mixed phase nanocrystalline/amorphous silicon. , 2016, , .		1
20	Low-cost plasma immersion ion implantation doping for Interdigitated back passivated contact (IBPC) solar cells. Solar Energy Materials and Solar Cells, 2016, 158, 68-76.	6.2	37