

# San Theingi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11717698/publications.pdf>

Version: 2024-02-01

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	Low-cost plasma immersion ion implantation doping for Interdigitated back passivated contact (IBPC) solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 158, 68-76.	6.2	37
2	Gallium-Doped Poly-Si:Ga/SiO <sub>2</sub> Passivated Emitters to n-Cz Wafers With $iV_{oc} > 730$ mV. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 1640-1645.	2.5	31
3	Effect of Crystallographic Orientation and Nanoscale Surface Morphology on Poly-Si/SiO <sub>x</sub> Contacts for Silicon Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 42021-42031.	8.0	29
4	Isolating p- and n-Doped Fingers With Intrinsic Poly-Si in Passivated Interdigitated Back Contact Silicon Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2020, 10, 1574-1581.	2.5	12
5	Development of High-Efficiency GaAs Solar Cells Grown on Nanopatterned GaAs Substrates. <i>Crystal Growth and Design</i> , 2021, 21, 5955-5960.	3.0	11
6	Self-Aligned Selective Area Front Contacts on Poly-Si/SiO <sub>x</sub> Passivating Contact Silicon Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2022, 12, 678-689.	2.5	10
7	Measurement of poly-Si film thickness on textured surfaces by X-ray diffraction in poly-Si/SiO <sub>x</sub> passivating contacts for monocrystalline Si solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2022, 236, 111510.	6.2	9
8	Trap-Assisted Dopant Compensation Prevents Shunting in Poly-Si Passivating Interdigitated Back Contact Silicon Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 10774-10782.	5.1	8
9	Controlled spalling of (100)-oriented GaAs with a nanoimprint lithography interlayer for thin-film layer transfer without facet formation. <i>Thin Solid Films</i> , 2022, 742, 139049.	1.8	4
10	Critical interface: Poly-silicon to tunneling SiO <sub>2</sub> for passivated contact performance. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
11	Plasma immersion ion implantation for interdigitated back passivated contact (IBPC) solar cells. , 2016, , .		1
12	Bandgap and carrier transport engineering of quantum confined mixed phase nanocrystalline/amorphous silicon. , 2016, , .		1
13	Self-Aligned, Selective Area Poly-Si/SiO <sub>2</sub> Passivated Contacts for Enhanced Photocurrent in Front/Back Solar Cells. , 2019, , .		1
14	Self Aligned Aluminum Selective Emitter for n-type Si Cells. , 2017, , .		0
15	Luminescent Solar Concentrator Tandem-on-Silicon with above 700mV Passivated Contact Silicon Bottom Cell. , 2019, , .		0
16	Facet Suppression in (100) GaAs spalling via use of a Nanoimprint Lithography Release Layer. , 2021, , .		0
17	Effective Dielectric Passivation Scheme in Area-Selective Front/Back Poly-Si/SiO <sub>x</sub> Passivating Contact Solar Cells. , 2021, , .		0
18	Understanding improvements in coalesced epilayers grown over nanopatterned substrates. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Submicron Thickness Characterization of poly-Si thin films on Textured Surfaces by X-ray Diffraction for Minimizing Parasitic Absorption in Poly-Si/SiO <sub>2</sub> Passivating Contact Cells. , 2020, , .		0
20	Pinhole formation in poly-Si/SiO <sub>x</sub> passivating contacts on Si(111)-oriented textures. , 2020, , .		0