

Kyungsun Ryu

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

256
citations

840776

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h-index

1281871

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15
all docs

15
docs citations

15
times ranked

294
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical etching of boron-rich layer and its impact on high efficiency n-type silicon solar cells. Applied Physics Letters, 2012, 101, 073902.	3.3	44
2	Ion-implanted and screen-printed large area 20% efficient N-type front junction Si solar cells. Solar Energy Materials and Solar Cells, 2014, 123, 92-96.	6.2	41
3	Optimization of SiN AR coating for Si solar cells and modules through quantitative assessment of optical and efficiency loss mechanism. Progress in Photovoltaics: Research and Applications, 2011, 19, 983-990.	8.1	38
4	20% Efficient Screen-Printed n-Type Solar Cells Using a Spin-On Source and Thermal Oxide/Silicon Nitride Passivation. IEEE Journal of Photovoltaics, 2011, 1, 146-152.	2.5	30
5	High efficiency large area n -type front junction silicon solar cells with boron emitter formed by screen printing technology. Progress in Photovoltaics: Research and Applications, 2015, 23, 119-123.	8.1	18
6	Fundamental understanding, impact, and removal of boron-rich layer on n-type silicon solar cells. Solar Energy Materials and Solar Cells, 2016, 146, 58-62.	6.2	14
7	High-Efficiency n-Type Si Solar Cells With Novel Inkjet-Printed Boron Emitters. IEEE Electron Device Letters, 2012, 33, 854-856.	3.9	13
8	High efficiency screen-printed n-type silicon solar cell using co-diffusion of APCVD boron emitter and POCl ₃ back surface field. Current Applied Physics, 2018, 18, 231-235.	2.4	13
9	Fabrication of Spray-Coated Semitransparent Organic Solar Cells. IEEE Journal of the Electron Devices Society, 2019, 7, 1129-1132.	2.1	13
10	Study of degradation in bulk lifetime of n-type silicon wafer due to oxidation of boron-rich layer. Current Applied Physics, 2016, 16, 497-500.	2.4	12
11	Process development and comparison of various boron emitter technologies for high-efficiency (~21%) n-type silicon solar cells. Progress in Photovoltaics: Research and Applications, 2016, 24, 1109-1115.	8.1	11
12	High efficiency n-type solar cells with screen-printed boron emitters and ion-implanted back surface field. , 2012, , .		5
13	High efficiency n-type silicon solar cell with a novel inkjet-printed boron emitter. , 2011, , .		2
14	Mass production of low-cost screen-printed bifacial N-type Si solar cells with BBr ₃ -diffused front emitter and ion-implanted back surface field. , 2016, , .		2
15	Study of lifetime degradation in n-type silicon due to oxidation of boron-rich layer. , 2013, , .		0