

Kyungsun Ryu

List of Publications by Year in descending order

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15
papers

256
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840776

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docs citations

15
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294
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Fabrication of Spray-Coated Semitransparent Organic Solar Cells. IEEE Journal of the Electron Devices Society, 2019, 7, 1129-1132. | 2.1 | 13 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Study of lifetime degradation in n-type silicon due to oxidation of boron-rich layer. , 2013, , . | | 0 |
| 10 | 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 |
| 11 | High efficiency n-type solar cells with screen-printed boron emitters and ion-implanted back surface field. , 2012, , . | | 5 |
| 12 | High-Efficiency n-Type Si Solar Cells With Novel Inkjet-Printed Boron Emitters. IEEE Electron Device Letters, 2012, 33, 854-856. | 3.9 | 13 |
| 13 | 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 |
| 14 | 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 |
| 15 | High efficiency n-type silicon solar cell with a novel inkjet-printed boron emitter. , 2011, , . | | 2 |