

# Deokjae Choi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

11  
papers

223  
citations

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h-index

12  
g-index

12  
ext. papers

286  
ext. citations

13.6  
avg, IF

3.38  
L-index

| #  | Paper  | IF    | Citations |
|----|--|-------|-----------|
| 11 | Embedded Metal Electrode for Organic-Inorganic Hybrid Nanowire Solar Cells. <i>ACS Nano</i> , <b>2017</b> , 11, 6218-6224  | 16.7  | 50        |
| 10 | Enhancement of Light Absorption in Photovoltaic Devices using Textured Polydimethylsiloxane Stickers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 21276-21282   | 9.5   | 44        |
| 9  | Neutral-Colored Transparent Crystalline Silicon Photovoltaics. <i>Joule</i> , <b>2020</b> , 4, 235-246   | 27.8  | 36        |
| 8  | 17.6%-Efficient radial junction solar cells using silicon nano/micro hybrid structures. <i>Nanoscale</i> , <b>2016</b> , 8, 14473-9  | 7.7   | 29        |
| 7  | The Development of Transparent Photovoltaics. <i>Cell Reports Physical Science</i> , <b>2020</b> , 1, 100143   | 6.1   | 29        |
| 6  | ITO-free carrier-selective contact for crystalline silicon solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 2192-2199   | 13    | 12        |
| 5  | Progress in silicon microwire solar cells. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 5395-5420  | 13    | 11        |
| 4  | Silicon Microwire Arrays with Nanoscale Spacing for Radial Junction c-Si Solar Cells with an Efficiency of 20.5. <i>ACS Nano</i> , <b>2021</b> , 15, 14756-14765                     | 16.7  | 4         |
| 3  | Flexible Crystalline-Silicon Photovoltaics: Light Management with Surface Structures. <i>Accounts of Materials Research</i> , <b>2021</b> , 2, 701-713                               | 7.5   | 3         |
| 2  | Field-Induced Radial Junction for Dopant-Free Crystalline Silicon Microwire Solar Cells with an Efficiency of Over 20%. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2003707 | 21.8  | 3         |
| 1  | Sunlight-Activatable ROS Generator for Cell Death Using TiO <sub>2</sub> -Si Microwires. <i>Nano Letters</i> , <b>2021</b> , 21, 6998-7002   | 17.04 | 2         |