

# Deokjae Choi

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8718027/deokjae-choi-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

7  
h-index

12  
g-index

12  
ext. papers

286  
ext. citations

13.6  
avg, IF

3.38  
L-index

#	Paper	IF	Citations
11	Sunlight-Activatable ROS Generator for Cell Death Using TiO <sub>2</sub> -Si Microwires. <i>Nano Letters</i> , <b>2021</b> , 21, 6998-7002	11.7	42
10	Flexible Crystalline-Silicon Photovoltaics: Light Management with Surface Structures. <i>Accounts of Materials Research</i> , <b>2021</b> , 2, 701-713	7.5	3
9	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
8	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
7	Progress in silicon microwire solar cells. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 5395-5420	13	11
6	Neutral-Colored Transparent Crystalline Silicon Photovoltaics. <i>Joule</i> , <b>2020</b> , 4, 235-246	27.8	36
5	The Development of Transparent Photovoltaics. <i>Cell Reports Physical Science</i> , <b>2020</b> , 1, 100143	6.1	29
4	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
3	Embedded Metal Electrode for Organic-Inorganic Hybrid Nanowire Solar Cells. <i>ACS Nano</i> , <b>2017</b> , 11, 6218-6224	16.24	50
2	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
1	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