

# Sungjin Jo

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

578  
citations

759233

12  
h-index

610901

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1258  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Silver Nanowire-Based Transparent Electrodes Obtained Using Different Drying Methods. <i>Nanomaterials</i> , 2022, 12, 461.	4.1	1
2	Low-temperature solution-processed SnO <sub>2</sub> electron transport layer modified by oxygen plasma for planar perovskite solar cells. <i>RSC Advances</i> , 2022, 12, 4883-4890.	3.6	13
3	Compact SnO <sub>2</sub> /Mesoporous TiO <sub>2</sub> Bilayer Electron Transport Layer for Perovskite Solar Cells Fabricated at Low Process Temperature. <i>Nanomaterials</i> , 2022, 12, 718.	4.1	6
4	A Transparent Self-Healing Polyurethane-Isophorone-Diisocyanate Elastomer Based on Hydrogen-Bonding Interactions. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2497-2505.	4.4	20
5	Characterization of optical manipulation using microlens arrays depending on the materials and sizes in organic photovoltaics. <i>RSC Advances</i> , 2021, 11, 9766-9774.	3.6	0
6	Enhanced Polymerization and Surface Hardness of Colloidal Siloxane Films via Electron Beam Irradiation. <i>ACS Omega</i> , 2021, 6, 13384-13390.	3.5	7
7	Improving the Thermal Stability and Oxidation Resistance of Silver Nanowire Films via 2-Mercaptobenzimidazole Modification. <i>Journal of Electronic Materials</i> , 2021, 50, 4908-4914.	2.2	3
8	Effect of Low-Pressure Plasma Treatment Parameters on Wrinkle Features. <i>Materials</i> , 2020, 13, 3852.	2.9	5
9	Enhancement of Antibacterial Performance of Silver Nanowire Transparent Film by Post-Heat Treatment. <i>Nanomaterials</i> , 2020, 10, 938.	4.1	14
10	Enhancement of Antibacterial Properties of a Silver Nanowire Film via Electron Beam Irradiation. <i>ACS Applied Bio Materials</i> , 2020, 3, 2117-2124.	4.6	20
11	Surface Engineering of Low-Temperature Processed Mesoporous TiO <sub>2</sub> via Oxygen Plasma for Flexible Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12648-12655.	8.0	33
12	Thickness Uniformity Dependence on Polymer Viscosity in Silver-Nanowire-Embedded Flexible and Transparent Electrodes. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2202.	2.5	1
13	Effect of Ultraviolet-Ozone Treatment on the Properties and Antibacterial Activity of Zinc Oxide Sol-Gel Film. <i>Materials</i> , 2019, 12, 2422.	2.9	11
14	Facile Interfacial Engineering of Mesoporous TiO <sub>2</sub> for Low-Temperature Processed Perovskite Solar Cells. <i>Nanomaterials</i> , 2019, 9, 1220.	4.1	7
15	Enhancing Thermal Oxidation Stability of Silver Nanowire Transparent Electrodes by Using a Cesium Carbonate-Incorporated Overcoating Layer. <i>Materials</i> , 2019, 12, 1140.	2.9	7
16	Critical work of adhesion for economical patterning of silver nanowire-based transparent electrodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14536-14544.	10.3	24
17	Spray Deposition of Ag Nanowire-Graphene Oxide Hybrid Electrodes for Flexible Polymer-Dispersed Liquid Crystal Displays. <i>Materials</i> , 2018, 11, 2231.	2.9	25
18	Reduced yellowing of silver nanowire transparent conductive electrodes by simple hydrazine treatment. <i>AIP Advances</i> , 2017, 7, 025215.	1.3	2

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19	Releasable SU-8 structures for various microfabrication processes using a water-soluble sacrificial layer. <i>Microelectronic Engineering</i> , 2017, 172, 49-54.	2.4	2
20	Cross-buckled structures for stretchable and compressible thin film silicon solar cells. <i>Scientific Reports</i> , 2017, 7, 7575.	3.3	6
21	Hybrid Ag nanowire transparent conductive electrodes with randomly oriented and grid-patterned Ag nanowire networks. <i>Scientific Reports</i> , 2017, 7, 11614.	3.3	31
22	Serially Connected Micro Amorphous Silicon Solar Cells for Compact High-Voltage Sources. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-6.	2.7	1
23	Transfer Printed Flexible and Stretchable Thin Film Solar Cells Using a Water-Soluble Sacrificial Layer. <i>Advanced Energy Materials</i> , 2016, 6, 1601269.	19.5	48
24	A Repeatable Epitaxial Lift-Off Process from a Single GaAs Substrate for Low-Cost and High-Efficiency III-V Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400589.	19.5	34
25	Ultrasmooth, extremely deformable and shape recoverable Ag nanowire embedded transparent electrode. <i>Scientific Reports</i> , 2014, 4, 4788.	3.3	194
26	Self-assembled monolayer as an interfacial modification material for highly efficient and air-stable inverted organic solar cells. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	46
27	LEGO-like assembly of peelable, deformable components for integrated devices. <i>NPG Asia Materials</i> , 2013, 5, e66-e66.	7.9	12
28	A 1.2- to 3-GHz tunable feedforward amplifier using broadband distributed phase shifters. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 250-254.	1.4	2