

# Sae-Wan Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

372  
citations

933447

10  
h-index

794594

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

619  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Organic/Inorganic Nanomaterial and Nanocrystal Quantum Dots-Based Multi-Level Resistive Memory Device. <i>Nanomaterials</i> , 2021, 11, 3004.	4.1	3
2	Multi-level resistive write-once-read-many memory device based on CdSe/ZnS quantum dots and ZnO nanoparticles. <i>Thin Solid Films</i> , 2020, 709, 138120.	1.8	6
3	High-Performance Quantum Dot-Light-Emitting Diodes with a Polyethylenimine Ethoxylated-modified Emission layer. <i>Thin Solid Films</i> , 2020, 709, 138179.	1.8	6
4	Air-stable and ultrasensitive solution-cast SWIR photodetectors utilizing modified core/shell colloidal quantum dots. <i>Nano Convergence</i> , 2020, 7, 28.	12.1	10
5	Sensitivity enhancement of H <sub>2</sub> gas sensor using PbS quantum dots. <i>Journal of Sensor Science and Technology</i> , 2020, 29, 388-393.	0.2	1
6	Uncooled Short-Wave Infrared Sensor Based on PbS Quantum Dots Using ZnO NPs. <i>Nanomaterials</i> , 2019, 9, 926.	4.1	18
7	Effect of PVP-Capped ZnO Nanoparticles with Enhanced Charge Transport on the Performance of P3HT/PCBM Polymer Solar Cells. <i>Polymers</i> , 2019, 11, 1818.	4.5	17
8	Pyridine-based additive optimized P3HT:PC61BM nanomorphology for improved performance and stability in polymer solar cells. <i>Applied Surface Science</i> , 2019, 484, 825-834.	6.1	22
9	Al atomistic surface modulation on colloidal gradient quantum dots for high-brightness and stable light-emitting devices. <i>Scientific Reports</i> , 2019, 9, 6357.	3.3	6
10	Stable hybrid organic/inorganic multiple-read quantum-dot memory device based on a PVK/QDs solution. <i>Applied Surface Science</i> , 2019, 481, 25-32.	6.1	5
11	Quantum dot light emitting diodes using size-controlled ZnO NPs. <i>Current Applied Physics</i> , 2018, 18, 681-685.	2.4	21
12	Improving Air-Stability and Performance of Bulk Heterojunction Polymer Solar Cells Using Solvent Engineered Hole Selective Interlayer. <i>Materials</i> , 2018, 11, 1143.	2.9	17
13	Facile and One-step Processible CdSe/ZnS Quantum Dots and Pentacene-based Nonvolatile Memory Device. <i>Journal of Semiconductor Technology and Science</i> , 2018, 18, 180-186.	0.4	3
14	Functional solid additive modified PEDOT:PSS as an anode buffer layer for enhanced photovoltaic performance and stability in polymer solar cells. <i>Scientific Reports</i> , 2017, 7, 45079.	3.3	98
15	Easy-to-Fabricate and High-Sensitivity LSPR Type Specific Protein Detection Sensor Using AAO Nano-Pore Size Control. <i>Sensors</i> , 2017, 17, 856.	3.8	19
16	Enhancing the Photovoltaic Performance of Polymer Solar Cells by Manipulating Photoactive/Metal Interface. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 8024-8030.	0.9	10
17	Low Dark-Current, High Current-Gain of PVK/ZnO Nanoparticles Composite-Based UV Photodetector by PN-Heterojunction Control. <i>Sensors</i> , 2016, 16, 74.	3.8	26
18	Efficient Quantum Dots Light-Emitting Devices Using Polyvinyl Pyrrolidone-Capped ZnO Nanoparticles With Enhanced Charge Transport. <i>IEEE Electron Device Letters</i> , 2016, 37, 1022-1024.	3.9	22

#	ARTICLE	IF	CITATIONS
19	Efficient exciton generation in atomic passivated CdSe/ZnS quantum dots light-emitting devices. Scientific Reports, 2016, 6, 34659.	3.3	54
20	Optical gas sensor based on LSPR using ZnO nanoparticles and AAO nanostructure. , 2015, , .		1
21	Incorporation of Gold Nanodots Into Poly(3,4-ethylenedioxythiophene):Poly(styrene sulfonate) for an Efficient Anode Interfacial Layer for Improved Plasmonic Organic Photovoltaics. Journal of Nanoscience and Nanotechnology, 2015, 15, 7092-7098.	0.9	7