

# Sang Jin Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10548713/publications.pdf>

Version: 2024-02-01

28  
papers

2,386  
citations

304743

22  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

5389  
citing authors

#	ARTICLE	IF	CITATIONS
1	Materials for Flexible, Stretchable Electronics: Graphene and 2D Materials. Annual Review of Materials Research, 2015, 45, 63-84.	9.3	341
2	Self-Activated Transparent All-Graphene Gas Sensor with Endurance to Humidity and Mechanical Bending. ACS Nano, 2015, 9, 10453-10460.	14.6	277
3	Fast Synthesis of High-Performance Graphene Films by Hydrogen-Free Rapid Thermal Chemical Vapor Deposition. ACS Nano, 2014, 8, 950-956.	14.6	195
4	Balancing Light Absorptivity and Carrier Conductivity of Graphene Quantum Dots for High-Efficiency Bulk Heterojunction Solar Cells. ACS Nano, 2013, 7, 7207-7212.	14.6	171
5	Active control of all-fibre graphene devices with electrical gating. Nature Communications, 2015, 6, 6851.	12.8	159
6	Growth dynamics and gas transport mechanism of nanobubbles in graphene liquid cells. Nature Communications, 2015, 6, 6068.	12.8	136
7	Hydrogenated monolayer graphene with reversible and tunable wide band gap and its field-effect transistor. Nature Communications, 2016, 7, 13261.	12.8	136
8	Towards industrial applications of graphene electrodes. Physica Scripta, 2012, T146, 014024.	2.5	131
9	Ultraclean Patterned Transfer of Single-Layer Graphene by Recyclable Pressure Sensitive Adhesive Films. Nano Letters, 2015, 15, 3236-3240.	9.1	101
10	Reduced Water Vapor Transmission Rate of Graphene Gas Barrier Films for Flexible Organic Field-Effect Transistors. ACS Nano, 2015, 9, 5818-5824.	14.6	93
11	Rare Earth Element Ytterbium Substituted Lead-Free Inorganic Perovskite Nanocrystals for Optoelectronic Applications. Advanced Materials, 2019, 31, e1901716.	21.0	81
12	Facile and Purification-Free Synthesis of Nitrogenated Amphiphilic Graphitic Carbon Dots. Chemistry of Materials, 2016, 28, 1481-1488.	6.7	74
13	High-performance ultraviolet photodetectors based on solution-grown ZnS nanobelts sandwiched between graphene layers. Scientific Reports, 2015, 5, 12345.	3.3	62
14	Surface-Engineered Graphene Quantum Dots Incorporated into Polymer Layers for High Performance Organic Photovoltaics. Scientific Reports, 2015, 5, 14276.	3.3	56
15	Origin of White Electroluminescence in Graphene Quantum Dots Embedded Host/Guest Polymer Light Emitting Diodes. Scientific Reports, 2015, 5, 11032.	3.3	54
16	Ultrastrong Graphene-Copper Core-Shell Wires for High-Performance Electrical Cables. ACS Nano, 2018, 12, 2803-2808.	14.6	52
17	Multi-functional nitrogen self-doped graphene quantum dots for boosting the photovoltaic performance of BHJ solar cells. Nano Energy, 2017, 34, 36-46.	16.0	45
18	Simultaneous Etching and Doping by Cu-Stabilizing Agent for High-Performance Graphene-Based Transparent Electrodes. Chemistry of Materials, 2014, 26, 2332-2336.	6.7	40

#	ARTICLE	IF	CITATIONS
19	Roll-to-roll continuous patterning and transfer of graphene via dispersive adhesion. <i>Nanoscale</i> , 2015, 7, 7138-7142.	5.6	33
20	Efficient solution-processed small-molecule solar cells by insertion of graphene quantum dots. <i>Nanoscale</i> , 2014, 6, 15175-15180.	5.6	30
21	Low-temperature growth and direct transfer of graphene-graphitic carbon films on flexible plastic substrates. <i>Nanotechnology</i> , 2012, 23, 344016.	2.6	28
22	Structure-controllable growth of nitrogenated graphene quantum dots via solvent catalysis for selective C-N bond activation. <i>Nature Communications</i> , 2021, 12, 5879.	12.8	25
23	Multifunctional reduced graphene oxide-CVD graphene core-shell fibers. <i>Nanoscale</i> , 2019, 11, 12637-12642.	5.6	22
24	Catalytic degradation of phenols by recyclable CVD graphene films. <i>Nanoscale</i> , 2018, 10, 5840-5844.	5.6	15
25	<i>In situ</i> Raman spectroscopy of current-carrying graphene microbridge. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 168-172.	2.5	11
26	Structural evolution of graphene in air at the electrical breakdown limit. <i>Carbon</i> , 2016, 99, 466-471.	10.3	11
27	Infrared spectroscopy of large scale single layer graphene on self assembled organic monolayer. <i>Applied Physics Letters</i> , 2014, 104, 041904.	3.3	6
28	Roll-to-roll synthesis and patterning of graphene and 2D materials. , 2015, , .		1