Sang Jin Kim

List of Publications by Year
in descending order

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28	2,386	304743 22	526287 27
papers	citations	h-index	g-index

28	28	28	5389
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure-controllable growth of nitrogenated graphene quantum dots via solvent catalysis for selective C-N bond activation. Nature Communications, 2021, 12, 5879.	12.8	25
2	Rareâ€Earthâ€Elementâ€Ytterbiumâ€Substituted Leadâ€Free Inorganic Perovskite Nanocrystals for Optoelectronic Applications. Advanced Materials, 2019, 31, e1901716.	21.0	81
3	Multifunctional reduced graphene oxide-CVD graphene coreâ€“shell fibers. Nanoscale, 2019, 11, 12637-12642.	5.6	22
4	Ultrastrong Grapheneâ€“Copper Coreâ€“Shell Wires for High-Performance Electrical Cables. ACS Nano, 2018, 12, 2803-2808.	14.6	52
5	Catalytic degradation of phenols by recyclable CVD graphene films. Nanoscale, 2018, 10, 5840-5844.	5.6	15
6	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
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	Facile and Purification-Free Synthesis of Nitrogenated Amphiphilic Graphitic Carbon Dots. Chemistry of Materials, 2016, 28, 1481-1488.	6.7	74
9	Structural evolution of graphene in air at the electrical breakdown limit. Carbon, 2016, 99, 466-471.	10.3	11
10	Roll-to-roll synthesis and patterning of graphene and 2D materials. , 2015, , .		1
11	Surface-Engineered Graphene Quantum Dots Incorporated into Polymer Layers for High Performance Organic Photovoltaics. Scientific Reports, 2015, 5, 14276.	3.3	56
12	High-performance ultraviolet photodetectors based on solution-grown ZnS nanobelts sandwiched between graphene layers. Scientific Reports, 2015, 5, 12345.	3.3	62
13	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
14	Growth dynamics and gas transport mechanism of nanobubbles in graphene liquid cells. Nature Communications, 2015, 6, 6068.	12.8	136
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	Active control of all-fibre graphene devices with electrical gating. Nature Communications, 2015, 6, 6851.	12.8	159
17	Materials for Flexible, Stretchable Electronics: Graphene and 2D Materials. Annual Review of Materials Research, 2015, 45, 63-84.	9.3	341
18	Roll-to-roll continuous patterning and transfer of graphene via dispersive adhesion. Nanoscale, 2015, 7, 7138-7142.	5.6	33

#	Article	IF	Citations
19	Ultraclean Patterned Transfer of Single-Layer Graphene by Recyclable Pressure Sensitive Adhesive Films. Nano Letters, 2015, 15, 3236-3240.	9.1	101
20	Self-Activated Transparent All-Graphene Gas Sensor with Endurance to Humidity and Mechanical Bending. ACS Nano, 2015, 9, 10453-10460.	14.6	277
21	Efficient solution-processed small-molecule solar cells by insertion of graphene quantum dots. Nanoscale, 2014, 6, 15175-15180.	5.6	30
22	Inâ€situ Raman spectroscopy of currentâ€carrying graphene microbridge. Journal of Raman Spectroscopy, 2014, 45, 168-172.	2.5	11
23	Infrared spectroscopy of large scale single layer graphene on self assembled organic monolayer. Applied Physics Letters, 2014, 104, 041904.	3.3	6
24	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
25	Fast Synthesis of High-Performance Graphene Films by Hydrogen-Free Rapid Thermal Chemical Vapor Deposition. ACS Nano, 2014, 8, 950-956.	14.6	195
26	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
27	Low-temperature growth and direct transfer of grapheneâ€“graphitic carbon films on flexible plastic substrates. Nanotechnology, 2012, 23, 344016.	2.6	28
28	Towards industrial applications of graphene electrodes. Physica Scripta, 2012, T146, 014024.	2.5	131