Junmo Kang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10567752/publications.pdf

Version: 2024-02-01

26 papers	2,808 citations	331259 21 h-index	552369 26 g-index
26 all docs	26 docs citations	26 times ranked	6169 citing authors

#	Article	IF	Citations
1	High-Performance Graphene-Based Transparent Flexible Heaters. Nano Letters, 2011, 11, 5154-5158.	4.5	457
2	Graphene transfer: key for applications. Nanoscale, 2012, 4, 5527.	2.8	405
3	Hybrid, Gate-Tunable, van der Waals pâ€“n Heterojunctions from Pentacene and MoS₂. Nano Letters, 2016, 16, 497-503.	4.5	295
4	Laminated Ultrathin Chemical Vapor Deposition Graphene Films Based Stretchable and Transparent High-Rate Supercapacitor. ACS Nano, 2014, 8, 9437-9445.	7.3	240
5	Efficient Transfer of Large-Area Graphene Films onto Rigid Substrates by Hot Pressing. ACS Nano, 2012, 6, 5360-5365.	7.3	172
6	Investigation of Band-Offsets at Monolayerâ€“Multilayer MoS₂ Junctions by Scanning Photocurrent Microscopy. Nano Letters, 2015, 15, 2278-2284.	4.5	141
7	An Ag-grid/graphene hybrid structure for large-scale, transparent, flexible heaters. Nanoscale, 2015, 7, 6567-6573.	2.8	130
8	Probing Out-of-Plane Charge Transport in Black Phosphorus with Graphene-Contacted Vertical Field-Effect Transistors. Nano Letters, 2016, 16, 2580-2585.	4.5	119
9	Solution-Processed Dielectrics Based on Thickness-Sorted Two-Dimensional Hexagonal Boron Nitride Nanosheets. Nano Letters, 2015, 15, 7029-7036.	4.5	101
10	Multiscale, Hierarchical Patterning of Graphene by Conformal Wrinkling. Nano Letters, 2016, 16, 7121-7127.	4.5	96
11	Lowâ€Voltage Complementary Electronics from Ionâ€Gelâ€Gated Vertical Van der Waals Heterostructures. Advanced Materials, 2016, 28, 3742-3748.	11.1	91
12	MnO2/graphene composite electrodes for supercapacitors: the effect of graphene intercalation on capacitance. Journal of Materials Chemistry, 2011, 21, 18215.	6.7	78
13	Continuous Extraction of Highly Pure Metallic Single-Walled Carbon Nanotubes in a Microfluidic Channel. Nano Letters, 2008, 8, 4380-4385.	4.5	72
14	A transparent and stretchable graphene-based actuator for tactile display. Nanotechnology, 2013, 24, 145501.	1.3	70
15	Tensile properties of millimeter-long multi-walled carbon nanotubes. Scientific Reports, 2017, 7, 9512.	1.6	66
16	Self-Aligned van der Waals Heterojunction Diodes and Transistors. Nano Letters, 2018, 18, 1421-1427.	4.5	51
17	Composite Membrane Based on Graphene Oxide Sheets and Nafion for Polymer Electrolyte Membrane Fuel Cells. ECS Electrochemistry Letters, 2014, 4, F1-F4.	1.9	46
18	High-performance near-field electromagnetic wave attenuation in ultra-thin and transparent graphene films. 2D Materials, 2017, 4, 025003.	2.0	36

#	Article	IF	Citations
19	Spatial strain variation of graphene films for stretchable electrodes. Carbon, 2015, 93, 620-624.	5.4	32
20	Metal-Free Carbon-Based Nanomaterial Coatings Protect Silicon Photoanodes in Solar Water-Splitting. Nano Letters, 2016, 16, 7370-7375.	4.5	30
21	A highly conducting graphene film with dual-side molecular n-doping. Nanoscale, 2014, 6, 9545-9549.	2.8	27
22	Controlling the Carbon Nanotube-to-Medium Conductivity Ratio for Dielectrophoretic Separation. Langmuir, 2009, 25, 12471-12474.	1.6	16
23	Low-Voltage 2D Material Field-Effect Transistors Enabled by Ion Gel Capacitive Coupling. Chemistry of Materials, 2017, 29, 4008-4013.	3.2	14
24	Experimental Investigation on 3D Graphene-CNT Hybrid Foams with Different Interactions. Nanomaterials, 2018, 8, 694.	1.9	12
25	Selective Transfer of Rotationally Commensurate MoS₂ from an Epitaxially Grown van der Waals Heterostructure. Chemistry of Materials, 2018, 30, 8495-8500.	3.2	6
26	Thickness-dependent charge transport in exfoliated indium selenide vertical field-effect transistors. Applied Physics Letters, 2019, 115, 243104.	1.5	5