Kyung Ho Kim

List of Publications by Year
in descending order

23 papers	258 citations	1040056 9 h-index	940533 16 g-index
25 all docs	25 docs citations	25 times ranked	523 citing authors

#	Article	IF	Citations
1	Multiscale Charge Transport in van der Waals Thin Films: Reduced Graphene Oxide as a Case Study. ACS Nano, 2021, 15, 2654-2667.	14.6	17
2	Clustering and Morphology Evolution of Gold on Nanostructured Surfaces of Silicon Carbide: Implications for Catalysis and Sensing. ACS Applied Nano Materials, 2021, 4, 1282-1293.	5.0	10
3	Ambipolar charge transport in quasi-free-standing monolayer graphene on SiC obtained by gold intercalation. Physical Review B, 2020, 102, .	3.2	9
4	Chemical Sensing with Atomically Thin Platinum Templated by a 2D Insulator. Advanced Materials Interfaces, 2020, 7, 1902104.	3.7	5
5	Ultrafast Transient Spectroscopy of Trans -Polyacetylene in the Midinfrared Spectral Range. Physical Review Letters, 2020, 124, 017401.	7.8	7
6	Towards quantum-limited coherent detection of terahertz waves in charge-neutral graphene. Nature Astronomy, 2019, 3, 983-988.	10.1	25
7	Polymer-encapsulated molecular doped epigraphene for quantum resistance metrology. Metrologia, 2019, 56, 045004.	1.2	17
8	Quantum transport at Dirac point enables molecularly doped graphene for terahertz heterodyne astronomy (Conference Presentation). , 2019, , .		0
9	Probing variable range hopping lengths by magneto conductance in carbonized polymer nanofibers. Scientific Reports, 2018, 8, 4948.	3.3	7
10	Stable and Tunable Charge Carrier Control of Graphene for Quantum Resistance Metrology. , 2018, , .		0
11	Uniform doping of graphene close to the Dirac point by polymer-assisted assembly of molecular dopants. Nature Communications, 2018, 9, 3956.	12.8	61
12	Electrical and thermoelectric transport by variable range hopping in reduced graphene oxide. Applied Physics Letters, 2017, 111, .	3.3	27
13	Thermal Stability of Epitaxial Graphene Electrodes for Conductive Polymer Nanofiber Devices. Crystals, 2017, 7, 378.	2.2	2
14	Apparent Power Law Scaling of Variable Range Hopping Conduction in Carbonized Polymer Nanofibers. Scientific Reports, 2016, 6, 37783.	3.3	8
15	Solvent effect on columnar formation in solar-cell geometry. , 2016, , .		0
16	Magnetoresistance (MR) of twisted bilayer graphene on electron transparent substrate. Synthetic Metals, 2016, 216, 65-71.	3.9	5
17	Low contact resistance in epitaxial graphene devices for quantum metrology. AIP Advances, 2015, 5, .	1.3	19
18	Ultralong Ordered Nanowires from the Concerted Self-Assembly of Discotic Liquid Crystal and Solvent Molecules. Langmuir, 2015, 31, 9432-9440.	3.5	15

#	Article	IF	Citations
19	Verification of electron doping in single-layer graphene due to H2 exposure with thermoelectric power. Applied Physics Letters, 2015, 106, 142110.	3.3	12
20	Self-assembling of molecular nanowires for enhancing the conducting properties of discotic liquid crystals. , 2015, , .		0
21	Investigation of composites of polymers and Mo₆S₂I₈ nanowires. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1122-1127.	1.8	0
22	Magnetoresistance of a copolymer: FeCl3-doped poly(2,5-dioctyloxy-p-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (vinylene	3.9	4
23	Probing spin-charge relation by magnetoconductance in one-dimensional polymer nanofibers. Physical Review B, 2012, 86, .	3.2	8