

Kyung Ho Kim

List of Publications by Year in descending order

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Version: 2024-02-01

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	Uniform doping of graphene close to the Dirac point by polymer-assisted assembly of molecular dopants. <i>Nature Communications</i> , 2018, 9, 3956.	12.8	61
2	Electrical and thermoelectric transport by variable range hopping in reduced graphene oxide. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	27
3	Towards quantum-limited coherent detection of terahertz waves in charge-neutral graphene. <i>Nature Astronomy</i> , 2019, 3, 983-988.	10.1	25
4	Low contact resistance in epitaxial graphene devices for quantum metrology. <i>AIP Advances</i> , 2015, 5, .	1.3	19
5	Polymer-encapsulated molecular doped epigraphene for quantum resistance metrology. <i>Metrologia</i> , 2019, 56, 045004.	1.2	17
6	Multiscale Charge Transport in van der Waals Thin Films: Reduced Graphene Oxide as a Case Study. <i>ACS Nano</i> , 2021, 15, 2654-2667.	14.6	17
7	Ultralong Ordered Nanowires from the Concerted Self-Assembly of Discotic Liquid Crystal and Solvent Molecules. <i>Langmuir</i> , 2015, 31, 9432-9440.	3.5	15
8	Verification of electron doping in single-layer graphene due to H ₂ exposure with thermoelectric power. <i>Applied Physics Letters</i> , 2015, 106, 142110.	3.3	12
9	Clustering and Morphology Evolution of Gold on Nanostructured Surfaces of Silicon Carbide: Implications for Catalysis and Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 1282-1293.	5.0	10
10	Ambipolar charge transport in quasi-free-standing monolayer graphene on SiC obtained by gold intercalation. <i>Physical Review B</i> , 2020, 102, .	3.2	9
11	Probing spin-charge relation by magnetoconductance in one-dimensional polymer nanofibers. <i>Physical Review B</i> , 2012, 86, .	3.2	8
12	Apparent Power Law Scaling of Variable Range Hopping Conduction in Carbonized Polymer Nanofibers. <i>Scientific Reports</i> , 2016, 6, 37783.	3.3	8
13	Probing variable range hopping lengths by magneto conductance in carbonized polymer nanofibers. <i>Scientific Reports</i> , 2018, 8, 4948.	3.3	7
14	Ultrafast Transient Spectroscopy of <i>Trans</i> -Polyacetylene in the Midinfrared Spectral Range. <i>Physical Review Letters</i> , 2020, 124, 017401.	7.8	7
15	Magnetoresistance (MR) of twisted bilayer graphene on electron transparent substrate. <i>Synthetic Metals</i> , 2016, 216, 65-71.	3.9	5
16	Chemical Sensing with Atomically Thin Platinum Templated by a 2D Insulator. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902104.	3.7	5
17	Magnetoresistance of a copolymer: FeCl ₃ -doped poly(2,5-dioctyloxy-p-phenylene) T_j ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Tf	3.9	4
18	Thermal Stability of Epitaxial Graphene Electrodes for Conductive Polymer Nanofiber Devices. <i>Crystals</i> , 2017, 7, 378.	2.2	2

#	ARTICLE	IF	CITATIONS
19	Investigation of composites of polymers and Mo ₆ S ₂ I ₈ nanowires. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1122-1127.	1.8	0
20	Self-assembling of molecular nanowires for enhancing the conducting properties of discotic liquid crystals. , 2015, , .		0
21	Solvent effect on columnar formation in solar-cell geometry. , 2016, , .		0
22	Stable and Tunable Charge Carrier Control of Graphene for Quantum Resistance Metrology. , 2018, , .		0
23	Quantum transport at Dirac point enables molecularly doped graphene for terahertz heterodyne astronomy (Conference Presentation). , 2019, , .		0