

Eun Sung Kim

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,610
citations

567281

15
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

5149
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Large-Area Graphene Layers on Poly-Nickel Substrate by Chemical Vapor Deposition: Wrinkle Formation. <i>Advanced Materials</i> , 2009, 21, 2328-2333.	21.0	814
2	Influence of Copper Morphology in Forming Nucleation Seeds for Graphene Growth. <i>Nano Letters</i> , 2011, 11, 4144-4148.	9.1	373
3	Probing graphene grain boundaries with optical microscopy. <i>Nature</i> , 2012, 490, 235-239.	27.8	352
4	Layer-by-Layer Doping of Few-Layer Graphene Film. <i>ACS Nano</i> , 2010, 4, 4595-4600.	14.6	293
5	Heat Dissipation of Transparent Graphene Defoggers. <i>Advanced Functional Materials</i> , 2012, 22, 4819-4826.	14.9	238
6	Laser Thinning for Monolayer Graphene Formation: Heat Sink and Interference Effect. <i>ACS Nano</i> , 2011, 5, 263-268.	14.6	94
7	Transfer-Free Growth of Few-Layer Graphene by Self-Assembled Monolayers. <i>Advanced Materials</i> , 2011, 23, 4392-4397.	21.0	79
8	Versatile, High-Power, Flexible, Stretchable Carbon Nanotube Sheet Heating Elements Tolerant to Mechanical Damage and Severe Deformation. <i>Advanced Functional Materials</i> , 2018, 28, 1706007.	14.9	57
9	LARGE-AREA GRAPHENE-BASED FLEXIBLE TRANSPARENT CONDUCTING FILMS. <i>Nano</i> , 2009, 04, 83-90.	1.0	50
10	Direct growth of etch pit-free GaN crystals on few-layer graphene. <i>RSC Advances</i> , 2015, 5, 1343-1349.	3.6	46
11	UV-LIGHT-ASSISTED OXIDATIVE sp ³ HYBRIDIZATION OF GRAPHENE. <i>Nano</i> , 2011, 06, 409-418.	1.0	36
12	POLY(ETHYLENE CO-VINYL ACETATE)-ASSISTED ONE-STEP TRANSFER OF ULTRA-LARGE GRAPHENE. <i>Nano</i> , 2011, 06, 59-65.	1.0	35
13	Graphene Substrate for van der Waals Epitaxy of Layer-Structured Bismuth Antimony Telluride Thermoelectric Film. <i>Advanced Materials</i> , 2017, 29, 1604899.	21.0	33
14	A hybridized graphene carrier highway for enhanced thermoelectric power generation. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13527.	2.8	24
15	Highly Oriented SrTiO ₃ Thin Film on Graphene Substrate. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3246-3250.	8.0	22
16	CRITERIA FOR PRODUCING YARNS FROM VERTICALLY ALIGNED CARBON NANOTUBES. <i>Nano</i> , 2010, 05, 31-38.	1.0	14
17	Anisotropic mechanical properties and strengthening mechanism in superaligned carbon nanotubes-reinforced aluminum. <i>Carbon</i> , 2019, 153, 513-524.	10.3	12
18	Low-temperature graphene growth using epochal catalyst of PdCo alloy. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	9

#	ARTICLE	IF	CITATIONS
19	Dynamic operation of liquid crystal cell with inherently nanogroove-featured aligned carbon nanotube sheets. <i>Current Applied Physics</i> , 2019, 19, 162-167.	2.4	9
20	An active carbon-nanotube polarizer-embedded electrode and liquid-crystal alignment. <i>Nanoscale</i> , 2020, 12, 17698-17702.	5.6	9
21	Reduction of Lattice Thermal Conductivity in PbTe Induced by Artificially Generated Pores. <i>Advances in Condensed Matter Physics</i> , 2015, 2015, 1-6.	1.1	7
22	Synthesis of large-area graphene layers on nickel film by chemical vapor deposition: wrinkle formation. <i>Proceedings of SPIE</i> , 2009, , .	0.8	4