Sang Hyun Lee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6120721/publications.pdf

Version: 2024-02-01

37	887	471509	477307
papers	citations	17	29
		h-index	g-index

37	37	37	1643
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hierarchical Porous Film with Layer-by-Layer Assembly of 2D Copper Nanosheets for Ultimate Electromagnetic Interference Shielding. ACS Nano, 2021, 15, 829-839.	14.6	85
2	Rareâ€Earthâ€Elementâ€Ytterbiumâ€Substituted Leadâ€Free Inorganic Perovskite Nanocrystals for Optoelectronic Applications. Advanced Materials, 2019, 31, e1901716.	21.0	81
3	Facile and Purification-Free Synthesis of Nitrogenated Amphiphilic Graphitic Carbon Dots. Chemistry of Materials, 2016, 28, 1481-1488.	6.7	74
4	Ordered Arrays of ZnO Nanorods Grown on Periodically Polarity-Inverted Surfaces. Nano Letters, 2008, 8, 2419-2422.	9.1	64
5	Ultrastrong Grapheneâ€“Copper Coreâ€“Shell Wires for High-Performance Electrical Cables. ACS Nano, 2018, 12, 2803-2808.	14.6	52
6	2D Singleâ€Crystalline Copper Nanoplates as a Conductive Filler for Electronic Ink Applications. Small, 2018, 14, 1703312.	10.0	47
7	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
8	Plasmonic Silver Nanoparticle-Impregnated Nanocomposite BiVO₄ Photoanode for Plasmon-Enhanced Photocatalytic Water Splitting. Journal of Physical Chemistry C, 2018, 122, 7088-7093.	3.1	42
9	Three-Dimensional Porous Copper-Graphene Heterostructures with Durability and High Heat Dissipation Performance. Scientific Reports, 2015, 5, 12710.	3.3	40
10	Triboelectric effect of surface morphology controlled laser induced graphene. Journal of Materials Chemistry A, 2020, 8, 19822-19832.	10.3	34
11	Low-Voltage Organic Transistor Memory Fiber with a Nanograined Organic Ferroelectric Film. ACS Applied Materials & Interfaces, 2019, 11, 22575-22582.	8.0	33
12	Integration of multiple electronic components on a microfibre towards an emerging electronic textile platform. Nature Communications, 2022, 13, .	12.8	27
13	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
14	Metal nanofibrils embedded in long free-standing carbon nanotube fibers with a high critical current density. NPG Asia Materials, 2018, 10, 146-155.	7.9	23
15	Hybrid dielectrics composed of Al2O3 and phosphonic acid self-assembled monolayers for performance improvement in low voltage organic field effect transistors. Nano Convergence, 2018, 5, 20.	12.1	22
16	Enhancement of Adsorption Performance for Organic Molecules by Combined Effect of Intermolecular Interaction and Morphology in Porous rGO-Incorporated Hydrogels. ACS Applied Materials & Interfaces, 2018, 10, 17335-17344.	8.0	21
17	Grapheneâ€“Carbonâ€“Metal Composite Film for a Flexible Heat Sink. ACS Applied Materials & Interfaces, 2017, 9, 40801-40809.	8.0	18
18	Porous copperâ€“graphene heterostructures for cooling of electronic devices. Nanoscale, 2017, 9, 7565-7569.	5.6	17

#	Article	IF	Citations
19	Performance enhancement of graphene assisted CNT/Cu composites for lightweight electrical cables. Carbon, 2021, 179, 53-59.	10.3	15
20	One step synthesis of Au nanoparticle-cyclized polyacrylonitrile composite films and their use in organic nano-floating gate memory applications. Journal of Materials Chemistry C, 2016, 4, 1511-1516.	5.5	14
21	Rapid and highly sensitive pathogen detection by real-time DNA monitoring using a nanogap impedimetric sensor with recombinase polymerase amplification. Biosensors and Bioelectronics, 2021, 179, 113042.	10.1	13
22	Polarity effects of ZnO on charge recombination at CsPbBr3 nanoparticles/ZnO interfaces. Applied Surface Science, 2019, 483, 165-169.	6.1	11
23	An All-Organic Composite System for Resistive Change Memory via the Self-Assembly of Plastic-Crystalline Molecules. ACS Applied Materials & Interfaces, 2017, 9, 2730-2738.	8.0	10
24	Photocatalytic decomposition of graphene over a ZnO surface under UV irradiation. Physical Chemistry Chemical Physics, 2015, 17, 15683-15686.	2.8	9
25	Simultaneous Temperature and Strain Sensing With Hybrid Resonator of Fiber Bragg Grating and Whispering Gallery Resonator. IEEE Sensors Journal, 2020, 20, 2962-2966.	4.7	9
26	Fanless, porous graphene-copper composite heat sink for micro devices. Scientific Reports, 2021, 11, 17607.	3.3	8
27	Spontaneously restored electrical conductivity of bioactive gel comprising mussel adhesive protein-coated carbon nanotubes. RSC Advances, 2016, 6, 87044-87048.	3.6	7
28	Two-in-One Device with Versatile Compatible Electrical Switching or Data Storage Functions Controlled by the Ferroelectricity of P(VDF-TrFE) via Photocrosslinking. ACS Applied Materials & Interfaces, 2019, 11, 25358-25368.	8.0	7
29	A graphene superficial layer for the advanced electroforming process. Nanoscale, 2016, 8, 12710-12714.	5.6	6
30	Swift isotropic heat transport of 3D graphene platform-based metal-graphene composites. Carbon, 2021, 183, 93-99.	10.3	6
31	Solar-driven enhanced chemical adsorption and interfacial evaporation using porous graphene-based spherical composites. Chemosphere, 2022, 291, 133013.	8.2	6
32	Allâ€Solidâ€State Organic Schmitt Trigger Implemented by Twin Twoâ€inâ€One Ferroelectric Memory Transistors. Advanced Electronic Materials, 2020, 6, 1901263.	5.1	5
33	Tailoring the internal structure of porous copper film via size-controlled copper nanosheets for electromagnetic interference shielding. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 278, 115611.	3.5	5
34	Additive effect of graphene oxide on the formation of blue emissive CsPbBr3 nanoplates. Applied Surface Science, 2022, 584, 152575.	6.1	3
35	Large area thermal light emission from autonomously formed suspended graphene arrays. Carbon, 2018, 136, 217-223.	10.3	1
36	Surface-functionalized 3D porous rGO-polysaccharide sphere composites for rapid selective protein adsorption from crude biological liquid. Applied Surface Science, 2020, 526, 146707.	6.1	1

#	Article	IF	Citations
37	Heat dissipation of underlying multilayered graphene layers grown on Cuâ€“Ni alloys for high-performance interconnects. Applied Surface Science, 2022, 583, 152506.	6.1	1