

Yung Ho Kahng

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

3,521
citations

279701

23
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265120

42
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44
all docs

44
docs citations

44
times ranked

6557
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Conductive PEDOT:PSS Nanofibrils Induced by Solution-Processed Crystallization. <i>Advanced Materials</i> , 2014, 26, 2268-2272.	11.1	856
2	The application of graphene as electrodes in electrical and optical devices. <i>Nanotechnology</i> , 2012, 23, 112001.	1.3	329
3	Large-scale patterned multi-layer graphene films as transparent conducting electrodes for GaN light-emitting diodes. <i>Nanotechnology</i> , 2010, 21, 175201.	1.3	259
4	Three-Dimensional Integration of Organic Resistive Memory Devices. <i>Advanced Materials</i> , 2010, 22, 5048-5052.	11.1	213
5	Role of Interchain Coupling in the Metallic State of Conducting Polymers. <i>Physical Review Letters</i> , 2012, 109, 106405.	2.9	201
6	Graphene-based gas sensor: metal decoration effect and application to a flexible device. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5280-5285.	2.7	198
7	Highly Flexible and Transparent Multilayer MoS ₂ Transistors with Graphene Electrodes. <i>Small</i> , 2013, 9, 3295-3300.	5.2	189
8	Stable Switching Characteristics of Organic Nonvolatile Memory on a Bent Flexible Substrate. <i>Advanced Materials</i> , 2010, 22, 3071-3075.	11.1	164
9	Enhanced Charge Injection in Pentacene Field-Effect Transistors with Graphene Electrodes. <i>Advanced Materials</i> , 2011, 23, 100-105.	11.1	124
10	Efficient bulk-heterojunction photovoltaic cells with transparent multi-layer graphene electrodes. <i>Organic Electronics</i> , 2010, 11, 1864-1869.	1.4	113
11	Tuning of a graphene-electrode work function to enhance the efficiency of organic bulk heterojunction photovoltaic cells with an inverted structure. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	92
12	Graphene-Conducting Polymer Hybrid Transparent Electrodes for Efficient Organic Optoelectronic Devices. <i>Advanced Functional Materials</i> , 2014, 24, 1847-1856.	7.8	76
13	Addition of reduced graphene oxide to an activated-carbon cathode increases electrical power generation of a microbial fuel cell by enhancing cathodic performance. <i>Electrochimica Acta</i> , 2019, 297, 613-622.	2.6	75
14	Tuning of the Electronic Characteristics of ZnO Nanowire Field Effect Transistors by Proton Irradiation. <i>ACS Nano</i> , 2010, 4, 811-818.	7.3	62
15	Enhancement in the photodetection of ZnO nanowires by introducing surface-roughness-induced traps. <i>Nanotechnology</i> , 2011, 22, 205204.	1.3	52
16	A new approach of structural and chemical modification on graphene electrodes for high-performance supercapacitors. <i>Carbon</i> , 2016, 100, 7-15.	5.4	52
17	Investigation of the Transition Voltage Spectra of Molecular Junctions Considering Frontier Molecular Orbitals and the Asymmetric Coupling Effect. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17979-17985.	1.5	47
18	Highly conductive flexible transparent electrodes fabricated by combining graphene films and inkjet-printed silver grids. <i>Solar Energy Materials and Solar Cells</i> , 2014, 124, 86-91.	3.0	45

#	ARTICLE	IF	CITATIONS
19	Graphene Films Show Stable Cell Attachment and Biocompatibility with Electrogenic Primary Cardiac Cells. <i>Molecules and Cells</i> , 2013, 36, 577-582.	1.0	36
20	Fast and low-temperature reduction of graphene oxide films using ammonia plasma. <i>AIP Advances</i> , 2013, 3, .	0.6	35
21	A study of graphene films synthesized on nickel substrates: existence and origin of small-base-area peaks. <i>Nanotechnology</i> , 2011, 22, 045706.	1.3	27
22	Transient drain current characteristics of ZnO nanowire field effect transistors. <i>Applied Physics Letters</i> , 2009, 95, 123101.	1.5	24
23	Tuning of operation mode of ZnO nanowire field effect transistors by solvent-driven surface treatment. <i>Nanotechnology</i> , 2009, 20, 475702.	1.3	21
24	The role of an amorphous carbon layer on a multi-wall carbon nanotube attached atomic force microscope tip in making good electrical contact to a gold electrode. <i>Nanotechnology</i> , 2008, 19, 195705.	1.3	16
25	Impact of synthesis routes on the chemical, optical, and electrical properties of graphene oxides and its derivatives. <i>Current Applied Physics</i> , 2015, 15, 1435-1444.	1.1	14
26	Critical Properties of Submicrometer-Patterned Nb Thin Film. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 2649-2652.	1.1	12
27	Optical endpoint detection for plasma reduction of graphene oxide. <i>AIP Advances</i> , 2013, 3, .	0.6	11
28	Optimization of graphene oxide synthesis parameters for improving their after-reduction material performance in functional electrodes. <i>Materials Research Express</i> , 2016, 3, 105033.	0.8	8
29	A systematic optimization for graphene-based supercapacitors. <i>Materials Research Express</i> , 2017, 4, 085604.	0.8	7
30	Optical observation of single layer graphene on silicon nitride substrate. <i>AIP Advances</i> , 2018, 8, 015107.	0.6	7
31	Graphene-based supercapacitor performance enhancement by an immersion precipitation of poly(vinylidene fluoride) binder. <i>Materials Research Express</i> , 2019, 6, 105616.	0.8	5
32	Effects of proton irradiation on graphene-based supercapacitors. <i>Materials Research Express</i> , 2019, 6, 015605.	0.8	5
33	Long-Term Effects on Graphene Supercapacitors of Using a Zirconia Bowl and Zirconia Balls for Ball-Mill mixing of Active Materials. <i>Journal of the Korean Physical Society</i> , 2018, 72, 900-905.	0.3	4
34	Proton Irradiation-Induced Electrostatic Modulation in ZnO Nanowire Field-Effect Transistors With Bilayer Gate Dielectric. <i>IEEE Nanotechnology Magazine</i> , 2012, 11, 918-923.	1.1	3
35	Study on the Origin of Amorphous Carbon Peaks on Graphene Films Synthesized on Nickel Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4982-4987.	0.9	3
36	Detection of the superconducting transition and magnetic flux trapping in a niobium micro-ring by using micro-Hall sensors. <i>Journal of the Korean Physical Society</i> , 2016, 69, 1456-1461.	0.3	2

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37	Fabrication of ball-shaped atomic force microscope tips by ion-beam-induced deposition of platinum on multiwall carbon nanotubes. Ultramicroscopy, 2009, 110, 82-88.	0.8	1
38	Organic Electronics: Graphene-Conducting Polymer Hybrid Transparent Electrodes for Efficient Organic Optoelectronic Devices (Adv. Funct. Mater. 13/2014). Advanced Functional Materials, 2014, 24, 1960-1960.	7.8	1
39	Doping of graphene with polyethylenimine and its effects on graphene-based supercapacitors. Journal of Applied Physics, 2021, 129, 094904.	1.1	1
40	Large-Area, Transparent And Conductive Graphene Electrode For Bulk-Heterojunction Photovoltaic Devices. , 2011, , .		0
41	Scanning electron observation of protective effect of graphene films on Au nanoparticles. Materials Research Express, 2017, 4, 085032.	0.8	0