

# Yung Ho Kahng

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40  
papers

2,910  
citations

22  
h-index

44  
g-index

44  
ext. papers

3,186  
ext. citations

6.3  
avg, IF

4.6  
L-index

#	Paper	IF	Citations
40	Doping of graphene with polyethylenimine and its effects on graphene-based supercapacitors. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 094904	2.5	0
39	Graphene-based supercapacitor performance enhancement by an immersion precipitation of poly(vinylidene fluoride) binder. <i>Materials Research Express</i> , <b>2019</b> , 6, 105616	1.7	2
38	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> , <b>2019</b> , 297, 613-622	6.7	42
37	Effects of proton irradiation on graphene-based supercapacitors. <i>Materials Research Express</i> , <b>2019</b> , 6, 015605	1.7	4
36	Optical observation of single layer graphene on silicon nitride substrate. <i>AIP Advances</i> , <b>2018</b> , 8, 015107	1.5	4
35	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> , <b>2018</b> , 72, 900-905	0.6	2
34	Scanning electron observation of protective effect of graphene films on Au nanoparticles. <i>Materials Research Express</i> , <b>2017</b> , 4, 085032	1.7	
33	A systematic optimization for graphene-based supercapacitors. <i>Materials Research Express</i> , <b>2017</b> , 4, 085604	1.7	4
32	Optimization of graphene oxide synthesis parameters for improving their after-reduction material performance in functional electrodes. <i>Materials Research Express</i> , <b>2016</b> , 3, 105033	1.7	2
31	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> , <b>2016</b> , 69, 1456-1461	0.6	1
30	A new approach of structural and chemical modification on graphene electrodes for high-performance supercapacitors. <i>Carbon</i> , <b>2016</b> , 100, 7-15	10.4	46
29	Impact of synthesis routes on the chemical, optical, and electrical properties of graphene oxides and its derivatives. <i>Current Applied Physics</i> , <b>2015</b> , 15, 1435-1444	2.6	12
28	Organic Electronics: Graphene-Conducting Polymer Hybrid Transparent Electrodes for Efficient Organic Optoelectronic Devices (Adv. Funct. Mater. 13/2014). <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 1960-1960	15.6	1
27	Highly conductive flexible transparent electrodes fabricated by combining graphene films and inkjet-printed silver grids. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 124, 86-91	6.4	44
26	Graphene-Conducting Polymer Hybrid Transparent Electrodes for Efficient Organic Optoelectronic Devices. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 1847-1856	15.6	69
25	Highly conductive PEDOT:PSS nanofibrils induced by solution-processed crystallization. <i>Advanced Materials</i> , <b>2014</b> , 26, 2268-72, 2109	24	645
24	Graphene-based gas sensor: metal decoration effect and application to a flexible device. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 5280-5285	7.1	164

23	Study on the origin of amorphous carbon peaks on graphene films synthesized on nickel catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 4982-7	1.3	3
22	Graphene films show stable cell attachment and biocompatibility with electrogenic primary cardiac cells. <i>Molecules and Cells</i> , <b>2013</b> , 36, 577-82	3.5	32
21	Highly flexible and transparent multilayer MoS <sub>2</sub> transistors with graphene electrodes. <i>Small</i> , <b>2013</b> , 9, 3295-300	11	154
20	Optical endpoint detection for plasma reduction of graphene oxide. <i>AIP Advances</i> , <b>2013</b> , 3, 032121	1.5	10
19	Fast and low-temperature reduction of graphene oxide films using ammonia plasma. <i>AIP Advances</i> , <b>2013</b> , 3, 012117	1.5	28
18	Proton Irradiation-Induced Electrostatic Modulation in ZnO Nanowire Field-Effect Transistors With Bilayer Gate Dielectric. <i>IEEE Nanotechnology Magazine</i> , <b>2012</b> , 11, 918-923	2.6	3
17	The application of graphene as electrodes in electrical and optical devices. <i>Nanotechnology</i> , <b>2012</b> , 23, 112001	3.4	265
16	Role of interchain coupling in the metallic state of conducting polymers. <i>Physical Review Letters</i> , <b>2012</b> , 109, 106405	7.4	159
15	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> , <b>2011</b> , 115, 17979-17983	3.8	43
14	Enhanced charge injection in pentacene field-effect transistors with graphene electrodes. <i>Advanced Materials</i> , <b>2011</b> , 23, 100-5	24	112
13	A study of graphene films synthesized on nickel substrates: existence and origin of small-base-area peaks. <i>Nanotechnology</i> , <b>2011</b> , 22, 045706	3.4	24
12	Enhancement in the photodetection of ZnO nanowires by introducing surface-roughness-induced traps. <i>Nanotechnology</i> , <b>2011</b> , 22, 205204	3.4	46
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> , <b>2010</b> , 97, 213301	3.4	87
10	Tuning of the electronic characteristics of ZnO nanowire field effect transistors by proton irradiation. <i>ACS Nano</i> , <b>2010</b> , 4, 811-8	16.7	56
9	Large-scale patterned multi-layer graphene films as transparent conducting electrodes for GaN light-emitting diodes. <i>Nanotechnology</i> , <b>2010</b> , 21, 175201	3.4	233
8	Stable switching characteristics of organic nonvolatile memory on a bent flexible substrate. <i>Advanced Materials</i> , <b>2010</b> , 22, 3071-5	24	148
7	Three-dimensional integration of organic resistive memory devices. <i>Advanced Materials</i> , <b>2010</b> , 22, 5048-52	52	184
6	Efficient bulk-heterojunction photovoltaic cells with transparent multi-layer graphene electrodes. <i>Organic Electronics</i> , <b>2010</b> , 11, 1864-1869	3.5	106

5	Tuning of operation mode of ZnO nanowire field effect transistors by solvent-driven surface treatment. <i>Nanotechnology</i> , <b>2009</b> , 20, 475702	3-4	19
4	Fabrication of ball-shaped atomic force microscope tips by ion-beam-induced deposition of platinum on multiwall carbon nanotubes. <i>Ultramicroscopy</i> , <b>2009</b> , 110, 82-8	3-1	1
3	Critical Properties of Submicrometer-Patterned Nb Thin Film. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 2649-2652	1.8	11
2	Transient drain current characteristics of ZnO nanowire field effect transistors. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 123101	3-4	21
1	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> , <b>2008</b> , 19, 195705	3-4	15