

# Sangchul Lee

## List of Publications by Citations

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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.

26  
papers

1,351  
citations

15  
h-index

29  
g-index

29  
ext. papers

1,436  
ext. citations

4.9  
avg, IF

3.76  
L-index

#	Paper	IF	Citations
26	The application of graphene as electrodes in electrical and optical devices. <i>Nanotechnology</i> , <b>2012</b> , 23, 112001	3.4	265
25	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
24	Flexible organic memory devices with multilayer graphene electrodes. <i>ACS Nano</i> , <b>2011</b> , 5, 5995-6000	16.7	119
23	Enhanced charge injection in pentacene field-effect transistors with graphene electrodes. <i>Advanced Materials</i> , <b>2011</b> , 23, 100-5	24	112
22	Flexible organic solar cells composed of P3HT:PCBM using chemically doped graphene electrodes. <i>Nanotechnology</i> , <b>2012</b> , 23, 344013	3.4	109
21	Efficient bulk-heterojunction photovoltaic cells with transparent multi-layer graphene electrodes. <i>Organic Electronics</i> , <b>2010</b> , 11, 1864-1869	3.5	106
20	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
19	Effects of multi-layer graphene capping on Cu interconnects. <i>Nanotechnology</i> , <b>2013</b> , 24, 115707	3.4	52
18	Enhancement in the photodetection of ZnO nanowires by introducing surface-roughness-induced traps. <i>Nanotechnology</i> , <b>2011</b> , 22, 205204	3.4	46
17	Thermal stability of multilayer graphene films synthesized by chemical vapor deposition and stained by metallic impurities. <i>Nanotechnology</i> , <b>2012</b> , 23, 075702	3.4	45
16	Graphene transfer in vacuum yielding a high quality graphene. <i>Carbon</i> , <b>2015</b> , 93, 286-294	10.4	24
15	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
14	Enhanced characteristics of pentacene field-effect transistors with graphene electrodes and substrate treatments. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 083306	3.4	23
13	A facile process to achieve hysteresis-free and fully stabilized graphene field-effect transistors. <i>Nanoscale</i> , <b>2015</b> , 7, 4013-9	7.7	21
12	Rigid substrate process to achieve high mobility in graphene field-effect transistors on a flexible substrate. <i>Carbon</i> , <b>2014</b> , 68, 791-797	10.4	20
11	Influence of extrinsic factors on accuracy of mobility extraction in graphene metal-oxide-semiconductor field effect transistors. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 093121	3.4	15
10	Nonvolatile resistive switching in Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> devices using multilayer graphene electrodes. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 032105	3.4	15

9	Quantitatively estimating defects in graphene devices using discharge current analysis method. <i>Scientific Reports</i> , <b>2014</b> , 4, 4886	4.9	13
8	Contact resistance improvement by the modulation of peripheral length to area ratio of graphene contact pattern. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 213107	3.4	10
7	Quantitative analysis of interfacial reactions at a graphene/SiO <sub>2</sub> interface using the discharge current analysis method. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 151604	3.4	6
6	Characterization on Improved Effective Mobility of Pentacene Organic Field-Effect Transistors Using Graphene Electrodes. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 02BK09	1.4	2
5	Characterization on Improved Effective Mobility of Pentacene Organic Field-Effect Transistors Using Graphene Electrodes. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 02BK09	1.4	2
4	Contributions to High Resolution and In Situ Electron Microscopy. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 10-11	0.5	1
3	Characterization of ZnO Nanowire Field Effect Transistors by Fast Hydrogen Peroxide Solution Treatment. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 035001	1.4	1
2	Triangular-Pulse Measurement for Hysteresis of High-Performance and Flexible Graphene Field-Effect Transistors. <i>IEEE Electron Device Letters</i> , <b>2014</b> , 35, 277-279	4.4	0
1	Characterization of ZnO Nanowire Field Effect Transistors by Fast Hydrogen Peroxide Solution Treatment. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 035001	1.4	