

Kang-hyuck Lee

List of Publications by Citations

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Version: 2024-04-28

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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.

19
papers

1,572
citations

15
h-index

19
g-index

19
ext. papers

1,837
ext. citations

12.2
avg, IF

4.47
L-index

#	Paper	IF	Citations
19	Large-scale synthesis of high-quality hexagonal boron nitride nanosheets for large-area graphene electronics. <i>Nano Letters</i> , 2012 , 12, 714-8	11.5	444
18	MXenes stretch hydrogel sensor performance to new limits. <i>Science Advances</i> , 2018 , 4, eaat0098	14.3	334
17	Transparent flexible graphene triboelectric nanogenerators. <i>Advanced Materials</i> , 2014 , 26, 3918-25	24	313
16	Point-Defect-Passivated MoS Nanosheet-Based High Performance Piezoelectric Nanogenerator. <i>Advanced Materials</i> , 2018 , 30, e1800342	24	78
15	Enhanced Power Conversion Efficiency of Inverted Organic Solar Cells with a Ga-Doped ZnO Nanostructured Thin Film Prepared Using Aqueous Solution. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 15782-15785	3.8	64
14	Graphene surface induced specific self-assembly of poly(3-hexylthiophene) for nanohybrid optoelectronics: from first-principles calculation to experimental characterizations. <i>Soft Matter</i> , 2013 , 9, 5355	3.6	46
13	Ultrasound-Driven Two-Dimensional TiCT MXene Hydrogel Generator. <i>ACS Nano</i> , 2020 , 14, 3199-3207	16.7	43
12	Piezoelectric touch-sensitive flexible hybrid energy harvesting nanoarchitectures. <i>Nanotechnology</i> , 2010 , 21, 405503	3.4	35
11	Self-powered transparent flexible graphene microheaters. <i>Nano Energy</i> , 2015 , 17, 356-365	17.1	33
10	Hexagonal boron nitride assisted growth of stoichiometric Al ₂ O ₃ dielectric on graphene for triboelectric nanogenerators. <i>Nano Energy</i> , 2015 , 12, 556-566	17.1	33
9	Noise and sensitivity characteristics of solid-state nanopores with a boron nitride 2-D membrane on a pyrex substrate. <i>Nanoscale</i> , 2016 , 8, 5755-63	7.7	30
8	Rewritable ghost floating gates by tunnelling triboelectrification for two-dimensional electronics. <i>Nature Communications</i> , 2017 , 8, 15891	17.4	27
7	Optimization of an Electron Transport Layer to Enhance the Power Conversion Efficiency of Flexible Inverted Organic Solar Cells. <i>Nanoscale Research Letters</i> , 2010 , 5, 1908-12	5	23
6	Nanocrystalline-graphene-tailored hexagonal boron nitride thin films. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11493-7	16.4	21
5	Formation of hexagonal boron nitride by metal atomic vacancy-assisted B-N molecular diffusion. <i>ACS Nano</i> , 2015 , 9, 633-8	16.7	17
4	Inverted Organic Solar Cells with ZnO Thin Films Prepared by SolGel Method. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2010 , 5, 135-138	1.3	15
3	Highly Efficient Photocurrent Generation from Nanocrystalline Graphene-Molybdenum Disulfide Lateral Interfaces. <i>Advanced Materials</i> , 2016 , 28, 1793-8	24	8

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| 2 | Muscle Fatigue Sensor Based on Ti C T MXene Hydrogel.. <i>Small Methods</i> , 2021 , 5, e2100819 | 12.8 | 5 |
| 1 | Synthesis of highly crystalline Ga-doped zinc-oxide nanoparticles for hybrid polymer solar cells. <i>Journal of the Korean Physical Society</i> , 2015 , 66, 1422-1425 | 0.6 | 3 |