

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2507472/inhwa-jung-publications-by-citations.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

44 papers	18,416 citations	26 h-index	45 g-index
45 ext. papers	19,947 ext. citations	10 avg, IF	6.03 L-index

#	Paper	IF	Citations
44	Large-area synthesis of high-quality and uniform graphene films on copper foils. <i>Science</i> , 2009 , 324, 1312-1314	33.3	8900
43	Chemical analysis of graphene oxide films after heat and chemical treatments by X-ray photoelectron and Micro-Raman spectroscopy. <i>Carbon</i> , 2009 , 47, 145-152	10.4	2619
42	Colloidal suspensions of highly reduced graphene oxide in a wide variety of organic solvents. <i>Nano Letters</i> , 2009 , 9, 1593-7	11.5	1382
41	Aqueous Suspension and Characterization of Chemically Modified Graphene Sheets. <i>Chemistry of Materials</i> , 2008 , 20, 6592-6594	9.6	838
40	Graphene-silica composite thin films as transparent conductors. <i>Nano Letters</i> , 2007 , 7, 1888-92	11.5	759
39	Tunable electrical conductivity of individual graphene oxide sheets reduced at "low" temperatures. <i>Nano Letters</i> , 2008 , 8, 4283-7	11.5	745
38	Digital cameras with designs inspired by the arthropod eye. <i>Nature</i> , 2013 , 497, 95-9	50.4	721
37	GaAs photovoltaics and optoelectronics using releasable multilayer epitaxial assemblies. <i>Nature</i> , 2010 , 465, 329-33	50.4	427
36	Effect of Water Vapor on Electrical Properties of Individual Reduced Graphene Oxide Sheets. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 20264-20268	3.8	293
35	Simple Approach for High-Contrast Optical Imaging and Characterization of Graphene-Based Sheets. <i>Nano Letters</i> , 2007 , 7, 3569-3575	11.5	282
34	Dynamically tunable hemispherical electronic eye camera system with adjustable zoom capability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 1788-93	11.5	194
33	Characterization of Thermally Reduced Graphene Oxide by Imaging Ellipsometry. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 8499-8506	3.8	180
32	Reduction Kinetics of Graphene Oxide Determined by Electrical Transport Measurements and Temperature Programmed Desorption. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18480-18486	3.8	173
31	Skin-interfaced biosensors for advanced wireless physiological monitoring in neonatal and pediatric intensive-care units. <i>Nature Medicine</i> , 2020 , 26, 418-429	50.5	134
30	CO2 absorption enhancement by methanol-based Al2O3 and SiO2 nanofluids in a tray column absorber. <i>International Journal of Refrigeration</i> , 2012 , 35, 1402-1409	3.8	118
29	Electrochemical study of corrosion behavior of graphene coatings on copper and aluminum in a chloride solution. <i>Carbon</i> , 2014 , 75, 335-344	10.4	108
28	Micromechanics and advanced designs for curved photodetector arrays in hemispherical electronic-eye cameras. <i>Small</i> , 2010 , 6, 851-6	11	84

27	Paraboloid electronic eye cameras using deformable arrays of photodetectors in hexagonal mesh layouts. <i>Applied Physics Letters</i> , 2010 , 96, 021110	3.4	47
26	Ultra-robust wide-range pressure sensor with fast response based on polyurethane foam doubly coated with conformal silicone rubber and CNT/TPU nanocomposites islands. <i>Composites Part B: Engineering</i> , 2019 , 177, 107364	10	45
25	Influence of seawater absorption on the vibration damping characteristics and fracture behaviors of basalt/CNT/epoxy multiscale composites. <i>Composites Part B: Engineering</i> , 2014 , 63, 61-66	10	42
24	Wireless sensors for continuous, multimodal measurements at the skin interface with lower limb prostheses. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	39
23	Colors of graphene and graphene-oxide multilayers on various substrates. <i>Nanotechnology</i> , 2012 , 23, 025708	3.4	39
22	Mechanics of Tunable Hemispherical Electronic Eye Camera Systems That Combine Rigid Device Elements With Soft Elastomers. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2013 , 80,	2.7	34
21	Dispersion of graphene-based nanocarbon fillers in polyamide 66 by dry processing and its effect on mechanical properties. <i>Composites Part B: Engineering</i> , 2017 , 114, 445-456	10	32
20	Tuning sound absorbing properties of open cell polyurethane foam by impregnating graphene oxide. <i>Applied Acoustics</i> , 2019 , 151, 10-21	3.1	30
19	Enhanced interfacial, electrical, and flexural properties of polyphenylene sulfide composites filled with carbon fibers modified by electrophoretic surface deposition of multi-walled carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 109, 124-130	8.4	29
18	Wireless, skin-interfaced sensors for compression therapy. <i>Science Advances</i> , 2020 , 6,	14.3	26
17	Mechanics of hemispherical electronics. <i>Applied Physics Letters</i> , 2009 , 95, 181912	3.4	18
16	Analysis of acoustical performance of Bi-layer graphene and graphene-foam-based thermoacoustic sound generating devices. <i>Carbon</i> , 2018 , 127, 13-20	10.4	12
15	Dip-Pen Lithography of BiFeO ₃ Nanodots. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 3716-3718	3.8	9
14	Experimental and modeling studies of imaging with curvilinear electronic eye cameras. <i>Optics Express</i> , 2010 , 18, 27346-58	3.3	8
13	Formation of Locally Crystallized Ferroelectric Poly(vinylidene fluoride-ran-trifluoroethylene) Nanodots Based on Heated Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 12890-12894	3.8	7
12	Reconstruction of optical images of graphene-based materials coated on dielectric substrates. <i>Optical Engineering</i> , 2013 , 52, 023601	1.1	6
11	Multiwalled carbon nanotube pretreatment to enhance tensile properties, process stability, and filler dispersion of polyamide 66 nanocomposites. <i>Composites Part B: Engineering</i> , 2020 , 198, 108204	10	6
10	Acoustic performance of dual-electrode electrostatic sound generators based on CVD graphene on polyimide film. <i>Nanotechnology</i> , 2018 , 29, 325502	3.4	6

9	Bio-inspired hemispherical compound eye camera 2014 ,		5
8	Study on optical interference effect of graphene oxide films on SiO ₂ and Si ₃ N ₄ dielectric films. <i>Research on Chemical Intermediates</i> , 2014 , 40, 2477-2486	2.8	3
7	Arthropod eye-inspired digital camera with unique imaging characteristics 2014 ,		3
6	Ferroelectric PbTiO ₃ Nanodots Shattered Using Atomic Force Microscopy. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 480-482	3.8	3
5	Visibility of few-layer graphene oxide under modified light using bandpass filters. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2016 , 33, 2099-2107	1.8	3
4	In vitro protocol for validating interface pressure sensors for therapeutic compression garments: Importance of sphygmomanometer placement and initial cuff diameter. <i>Veins and Lymphatics</i> , 2018 , 7,	1.3	3
3	FABRICATION AND MEASUREMENT OF SUSPENDED SILICON CARBIDE NANOWIRE DEVICES AND DEFLECTION. <i>Nano</i> , 2009 , 04, 351-358	1.1	2
2	Analysis of deformation of flexible hemispherical lens arrays based on soft elastomers. <i>Applied Optics</i> , 2015 , 54, 8265-70	0.2	1
1	Local Crystallization of Noncrystallized PbTiO ₃ Thin Film by a Heated Atomic Force Microscope Tip. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 1511-1513	3.8	1