

# Inhwa Jung

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

21,021  
citations

201385

27  
h-index

264894

42  
g-index

45  
all docs

45  
docs citations

45  
times ranked

28223  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless, skin-interfaced sensors for compression therapy. <i>Science Advances</i> , 2020, 6, .	4.7	52
2	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.	5.9	12
3	Wireless sensors for continuous, multimodal measurements at the skin interface with lower limb prostheses. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	93
4	Skin-interfaced biosensors for advanced wireless physiological monitoring in neonatal and pediatric intensive-care units. <i>Nature Medicine</i> , 2020, 26, 418-429.	15.2	272
5	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.	5.9	82
6	Tuning sound absorbing properties of open cell polyurethane foam by impregnating graphene oxide. <i>Applied Acoustics</i> , 2019, 151, 10-21.	1.7	58
7	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.	3.8	49
8	Analysis of acoustical performance of Bi-layer graphene and graphene-foam-based thermoacoustic sound generating devices. <i>Carbon</i> , 2018, 127, 13-20.	5.4	24
9	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, .	0.1	3
10	Acoustic performance of dual-electrode electrostatic sound generators based on CVD graphene on polyimide film. <i>Nanotechnology</i> , 2018, 29, 325502.	1.3	8
11	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.	5.9	39
12	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.	0.8	3
13	Analysis of deformation of flexible hemispherical lens arrays based on soft elastomers. <i>Applied Optics</i> , 2015, 54, 8265.	2.1	1
14	Bio-inspired hemispherical compound eye camera. , 2014, , .		5
15	Electrochemical study of corrosion behavior of graphene coatings on copper and aluminum in a chloride solution. <i>Carbon</i> , 2014, 75, 335-344.	5.4	134
16	Study on optical interference effect of graphene oxide films on SiO <sub>2</sub> and Si <sub>3</sub> N <sub>4</sub> dielectric films. <i>Research on Chemical Intermediates</i> , 2014, 40, 2477-2486.	1.3	3
17	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.	5.9	54
18	Arthropod eye-inspired digital camera with unique imaging characteristics. , 2014, , .		3

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19	Reconstruction of optical images of graphene-based materials coated on dielectric substrates. Optical Engineering, 2013, 52, 023601.	0.5	6
20	Digital cameras with designs inspired by the arthropod eye. Nature, 2013, 497, 95-99.	13.7	926
21	Formation of Locally Crystallized Ferroelectric Poly(vinylidene fluoride) Nanodots. Journal of Physical Chemistry C, 2013, 117, 12890-12894.	1.5	9
22	Mechanics of Tunable Hemispherical Electronic Eye Camera Systems That Combine Rigid Device Elements With Soft Elastomers. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	1.1	38
23	CO2 absorption enhancement by methanol-based Al2O3 and SiO2 nanofluids in a tray column absorber. International Journal of Refrigeration, 2012, 35, 1402-1409.	1.8	145
24	Local Crystallization of Noncrystallized PbTiO <sub>3</sub> Thin Film by a Heated Atomic Force Microscope Tip. Journal of the American Ceramic Society, 2012, 95, 1511-1513.	1.9	1
25	Dip-Pen Lithography of BiFeO <sub>3</sub> Nanodots. Journal of the American Ceramic Society, 2012, 95, 3716-3718.	1.9	10
26	Colors of graphene and graphene-oxide multilayers on various substrates. Nanotechnology, 2012, 23, 025708.	1.3	46
27	Ferroelectric PbTiO <sub>3</sub> Nanodots Shattered Using Atomic Force Microscopy. Journal of the American Ceramic Society, 2012, 95, 480-482.	1.9	3
28	Dynamically tunable hemispherical electronic eye camera system with adjustable zoom capability. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1788-1793.	3.3	242
29	Some Recent Progress on Curvilinear Imagers and Eyeball Cameras. , 2011, , .		0
30	Micromechanics and Advanced Designs for Curved Photodetector Arrays in Hemispherical Electronic Eye Cameras. Small, 2010, 6, 851-856.	5.2	94
31	GaAs photovoltaics and optoelectronics using releasable multilayer epitaxial assemblies. Nature, 2010, 465, 329-333.	13.7	524
32	Experimental and modeling studies of imaging with curvilinear electronic eye cameras. Optics Express, 2010, 18, 27346.	1.7	9
33	Paraboloid electronic eye cameras using deformable arrays of photodetectors in hexagonal mesh layouts. Applied Physics Letters, 2010, 96, .	1.5	52
34	Mechanics of hemispherical electronics. Applied Physics Letters, 2009, 95, 181912.	1.5	19
35	FABRICATION AND MEASUREMENT OF SUSPENDED SILICON CARBIDE NANOWIRE DEVICES AND DEFLECTION. Nano, 2009, 04, 351-358.	0.5	3
36	Chemical analysis of graphene oxide films after heat and chemical treatments by X-ray photoelectron and Micro-Raman spectroscopy. Carbon, 2009, 47, 145-152.	5.4	2,924

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37	Colloidal Suspensions of Highly Reduced Graphene Oxide in a Wide Variety of Organic Solvents. Nano Letters, 2009, 9, 1593-1597.	4.5	1,502
38	Large-Area Synthesis of High-Quality and Uniform Graphene Films on Copper Foils. Science, 2009, 324, 1312-1314.	6.0	10,000
39	Reduction Kinetics of Graphene Oxide Determined by Electrical Transport Measurements and Temperature Programmed Desorption. Journal of Physical Chemistry C, 2009, 113, 18480-18486.	1.5	207
40	Characterization of Thermally Reduced Graphene Oxide by Imaging Ellipsometry. Journal of Physical Chemistry C, 2008, 112, 8499-8506.	1.5	196
41	Aqueous Suspension and Characterization of Chemically Modified Graphene Sheets. Chemistry of Materials, 2008, 20, 6592-6594.	3.2	905
42	Tunable Electrical Conductivity of Individual Graphene Oxide Sheets Reduced at "Low" Temperatures. Nano Letters, 2008, 8, 4283-4287.	4.5	820
43	Effect of Water Vapor on Electrical Properties of Individual Reduced Graphene Oxide Sheets. Journal of Physical Chemistry C, 2008, 112, 20264-20268.	1.5	321
44	Simple Approach for High-Contrast Optical Imaging and Characterization of Graphene-Based Sheets. Nano Letters, 2007, 7, 3569-3575.	4.5	311
45	Graphene-Silica Composite Thin Films as Transparent Conductors. Nano Letters, 2007, 7, 1888-1892.	4.5	813