

# Jae Hun Seol

## List of Publications by Citations

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27  
papers

2,219  
citations

14  
h-index

28  
g-index

28  
ext. papers

2,464  
ext. citations

6.2  
avg, IF

4.16  
L-index

#	Paper	IF	Citations
27	Two-dimensional phonon transport in supported graphene. <i>Science</i> , <b>2010</b> , 328, 213-6	33.3	1461
26	Thermoelectric properties of individual electrodeposited bismuth telluride nanowires. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 133109	3.4	180
25	Lithium-doped zinc oxide nanowires-polymer composite for high performance flexible piezoelectric nanogenerator. <i>ACS Nano</i> , <b>2014</b> , 8, 10844-50	16.7	106
24	Measurement and analysis of thermopower and electrical conductivity of an indium antimonide nanowire from a vapor-liquid-solid method. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 023706	2.5	73
23	Piezoelectric performance enhancement of ZnO flexible nanogenerator by a CuO/ZnO p/n junction formation. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 8103	7.1	56
22	A microfluidic device for label-free detection of Escherichia coli in drinking water using positive dielectrophoretic focusing, capturing, and impedance measurement. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 1011-5	11.8	50
21	Effect of growth base pressure on the thermoelectric properties of indium antimonide nanowires. <i>Journal Physics D: Applied Physics</i> , <b>2010</b> , 43, 025406	3	44
20	A vanadium-doped ZnO nanosheets-polymer composite for flexible piezoelectric nanogenerators. <i>Nanoscale</i> , <b>2016</b> , 8, 1314-21	7.7	42
19	In-plane thermal and thermoelectric properties of misfit-layered [(PbSe) <sub>0.99</sub> ] <sub>x</sub> (WSe <sub>2</sub> ) <sub>x</sub> superlattice thin films. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 181908	3.4	36
18	Thermal Conductivity Measurement of Graphene Exfoliated on Silicon Dioxide. <i>Journal of Heat Transfer</i> , <b>2011</b> , 133,	1.8	28
17	Thermal conductivity enhancement in electrospun poly(vinyl alcohol) and poly(vinyl alcohol)/cellulose nanocrystal composite nanofibers. <i>Scientific Reports</i> , <b>2019</b> , 9, 3026	4.9	28
16	One-dimensional electron transport and thermopower in an individual InSb nanowire. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, 9651-9657	1.8	24
15	Enhanced Thermal Conductivity of Individual Polymeric Nanofiber Incorporated with Boron Nitride Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 7025-7029	3.8	17
14	Active photonic wireless power transfer into live tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 16856-16863	11.5	14
13	A vision-based system for monitoring block assembly in shipbuilding. <i>CAD Computer Aided Design</i> , <b>2015</b> , 59, 98-108	2.9	12
12	Crosslinking Effect on Thermal Conductivity of Electrospun Poly(acrylic acid) Nanofibers. <i>Polymers</i> , <b>2019</b> , 11,	4.5	10
11	Computational Study on the Thermal Effects of Implantable Magnetic Stimulation Based on Planar Coils. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 158-67	5	10

10	Electromagnetic Interference Shield of Highly Thermal-Conducting, Light-Weight, and Flexible Electrospun Nylon 66 Nanofiber-Silver Multi-Layer Film. <i>Polymers</i> , <b>2020</b> , 12,	4.5	9
9	Measurement and analysis of ballistic-diffusive phonon heat transport in a constrained silicon film. <i>Applied Thermal Engineering</i> , <b>2019</b> , 160, 114080	5.8	5
8	Tunable thermal conductivity in mesoporous silicon by slight porosity change. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 063104	3.4	5
7	Effects of B-sheet crystals and a glycine-rich matrix on the thermal conductivity of spider dragline silk. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 96, 384-391	7.9	3
6	High Thermoelectric Power Factor and ZT in TbAs:InGaAs Epitaxial Nanocomposite Material. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1900015	6.4	3
5	Thermal Conductivity Measurement of Ge-SixGe1-x Core-Shell Nanowires Using Suspended Microdevices. <i>Transactions of the Korean Society of Mechanical Engineers, B</i> , <b>2015</b> , 39, 825-829	0.5	2
4	Thermal Conductivity Measurement of Graphene Exfoliated on Silicon Dioxide <b>2010</b> ,		1
3	Experimental Studies of Thermal Transport in Nanostructures <b>2017</b> , 319-357		0
2	In situ and operando thermal characterization in aqueous electric double layer capacitors using the 3 hot-wire method. <i>International Journal of Heat and Mass Transfer</i> , <b>2022</b> , 188, 122632	4.9	0
1	Thermal conductivity measurement and analysis of Ge-Si x Ge1-x core-shell nanowires. <i>Applied Physics Express</i> , <b>2019</b> , 12, 045001	2.4	