Jae Hun Seol

List of Publications by Year in Descending Order

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	In situ and operando thermal characterization in aqueous electric double layer capacitors using the 3ω hot-wire method. *International Journal of Heat and Mass Transfer*, **2022**, 188, 122632	4.9	0
26	Active photonic wireless power transfer into live tissues. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 16856-16863	11.5	14
25	Electromagnetic Interference Shield of Highly Thermal-Conducting, Light-Weight, and Flexible Electrospun Nylon 66 Nanofiber-Silver Multi-Layer Film. *Polymers*, **2020**, 12,	4.5	9
24	Crosslinking Effect on Thermal Conductivity of Electrospun Poly(acrylic acid) Nanofibers. *Polymers*, **2019**, 11,	4.5	10
23	Thermal conductivity measurement and analysis of Ge-Si x Ge1−x core–shell nanowires. *Applied Physics Express*, **2019**, 12, 045001	2.4	
22	Measurement and analysis of ballistic-diffusive phonon heat transport in a constrained silicon film. *Applied Thermal Engineering*, **2019**, 160, 114080	5.8	5
21	Thermal conductivity enhancement in electrospun poly(vinyl alcohol) and poly(vinyl alcohol)/cellulose nanocrystal composite nanofibers. *Scientific Reports*, **2019**, 9, 3026	4.9	28
20	High Thermoelectric Power Factor and ZT in TbAs:InGaAs Epitaxial Nanocomposite Material. *Advanced Electronic Materials*, **2019**, 5, 1900015	6.4	3
19	Effects of β-sheet crystals and a glycine-rich matrix on the thermal conductivity of spider dragline silk. *International Journal of Biological Macromolecules*, **2017**, 96, 384-391	7.9	3
18	Enhanced Thermal Conductivity of Individual Polymeric Nanofiber Incorporated with Boron Nitride Nanotubes. *Journal of Physical Chemistry C*, **2017**, 121, 7025-7029	3.8	17
17	Experimental Studies of Thermal Transport in Nanostructures **2017**, 319-357		0
16	Tunable thermal conductivity in mesoporous silicon by slight porosity change. *Applied Physics Letters*, **2017**, 111, 063104	3.4	5
15	A vanadium-doped ZnO nanosheets-polymer composite for flexible piezoelectric nanogenerators. *Nanoscale*, **2016**, 8, 1314-21	7.7	42
14	Computational Study on the Thermal Effects of Implantable Magnetic Stimulation Based on Planar Coils. *IEEE Transactions on Biomedical Engineering*, **2016**, 63, 158-67	5	10
13	A microfluidic device for label-free detection of Escherichia coli in drinking water using positive dielectrophoretic focusing, capturing, and impedance measurement. *Biosensors and Bioelectronics*, **2015**, 74, 1011-5	11.8	50
12	A vision-based system for monitoring block assembly in shipbuilding. *CAD Computer Aided Design*, **2015**, 59, 98-108	2.9	12
11	Thermal Conductivity Measurement of Ge-SixGe1-x Core-Shell Nanowires Using Suspended Microdevices. *Transactions of the Korean Society of Mechanical Engineers, B*, **2015**, 39, 825-829	0.5	2

List of Publications

10	Lithium-doped zinc oxide nanowires-polymer composite for high performance flexible piezoelectric nanogenerator. *ACS Nano*, **2014**, 8, 10844-50	16.7	106
9	Piezoelectric performance enhancement of ZnO flexible nanogenerator by a CuO□ZnO p□ junction formation. *Journal of Materials Chemistry C*, **2013**, 1, 8103	7.1	56
8	Thermal Conductivity Measurement of Graphene Exfoliated on Silicon Dioxide. *Journal of Heat Transfer*, **2011**, 133,	1.8	28
7	Thermal Conductivity Measurement of Graphene Exfoliated on Silicon Dioxide **2010**,		1
6	Effect of growth base pressure on the thermoelectric properties of indium antimonide nanowires. *Journal Physics D: Applied Physics*, **2010**, 43, 025406	3	44
5	In-plane thermal and thermoelectric properties of misfit-layered [(PbSe)0.99]x(WSe2)x superlattice thin films. *Applied Physics Letters*, **2010**, 96, 181908	3.4	36
4	Two-dimensional phonon transport in supported graphene. *Science*, **2010**, 328, 213-6	33.3	1461
3	Measurement and analysis of thermopower and electrical conductivity of an indium antimonide nanowire from a vapor-liquid-solid method. *Journal of Applied Physics*, **2007**, 101, 023706	2.5	73
2	One-dimensional electron transport and thermopower in an individual InSb nanowire. *Journal of Physics Condensed Matter*, **2006**, 18, 9651-9657	1.8	24
1	Thermoelectric properties of individual electrodeposited bismuth telluride nanowires. *Applied Physics Letters*, **2005**, 87, 133109	3.4	180