

Jae Hun Seol

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,655
citations

516215

16
h-index

580395

25
g-index

28
all docs

28
docs citations

28
times ranked

4286
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Phonon Transport in Supported Graphene. <i>Science</i> , 2010, 328, 213-216.	6.0	1,692
2	Thermoelectric properties of individual electrodeposited bismuth telluride nanowires. <i>Applied Physics Letters</i> , 2005, 87, 133109.	1.5	202
3	Lithium-Doped Zinc Oxide Nanowiresâ€™ Polymer Composite for High Performance Flexible Piezoelectric Nanogenerator. <i>ACS Nano</i> , 2014, 8, 10844-10850.	7.3	136
4	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> , 2007, 101, 023706.	1.1	81
5	Piezoelectric performance enhancement of ZnO flexible nanogenerator by a CuOâ€™ZnO pâ€™n junction formation. <i>Journal of Materials Chemistry C</i> , 2013, 1, 8103.	2.7	67
6	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> , 2015, 74, 1011-1015.	5.3	64
7	A vanadium-doped ZnO nanosheetsâ€™ polymer composite for flexible piezoelectric nanogenerators. <i>Nanoscale</i> , 2016, 8, 1314-1321.	2.8	54
8	Effect of growth base pressure on the thermoelectric properties of indium antimonide nanowires. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 025406.	1.3	50
9	Active photonic wireless power transfer into live tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16856-16863.	3.3	45
10	Thermal conductivity enhancement in electrospun poly(vinyl alcohol) and poly(vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (alcohol	1.6	43
11	In-plane thermal and thermoelectric properties of misfit-layered [(PbSe) _{0.99}] _x (WSe ₂) _x superlattice thin films. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	38
12	Thermal Conductivity Measurement of Graphene Exfoliated on Silicon Dioxide. <i>Journal of Heat Transfer</i> , 2011, 133, .	1.2	32
13	One-dimensional electron transport and thermopower in an individual InSb nanowire. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 9651-9657.	0.7	25
14	Enhanced Thermal Conductivity of Individual Polymeric Nanofiber Incorporated with Boron Nitride Nanotubes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7025-7029.	1.5	23
15	A vision-based system for monitoring block assembly in shipbuilding. <i>CAD Computer Aided Design</i> , 2015, 59, 98-108.	1.4	19
16	Computational Study on the Thermal Effects of Implantable Magnetic Stimulation Based on Planar Coils. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 158-167.	2.5	19
17	Crosslinking Effect on Thermal Conductivity of Electrospun Poly(acrylic acid) Nanofibers. <i>Polymers</i> , 2019, 11, 858.	2.0	17
18	Electromagnetic Interference Shield of Highly Thermal-Conducting, Light-Weight, and Flexible Electrospun Nylon 66 Nanofiber-Silver Multi-Layer Film. <i>Polymers</i> , 2020, 12, 1805.	2.0	15

#	ARTICLE	IF	CITATIONS
19	Tunable thermal conductivity in mesoporous silicon by slight porosity change. Applied Physics Letters, 2017, 111, .	1.5	8
20	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.	3.6	6
21	Measurement and analysis of ballistic-diffusive phonon heat transport in a constrained silicon film. Applied Thermal Engineering, 2019, 160, 114080.	3.0	5
22	High Thermoelectric Power Factor and ZT in TbAs:InGaAs Epitaxial Nanocomposite Material. Advanced Electronic Materials, 2019, 5, 1900015.	2.6	4
23	In situ and operando thermal characterization in aqueous electric double layer capacitors using the hot-wire method. International Journal of Heat and Mass Transfer, 2022, 188, 122632.	2.5	3
24	Experimental Studies of Thermal Transport in Nanostructures. , 2017, , 319-357.		2
25	Thermal Conductivity Measurement of Ge-Si _x Ge _{1-x} Core-Shell Nanowires Using Suspended Microdevices. Transactions of the Korean Society of Mechanical Engineers, B, 2015, 39, 825-829.	0.0	2
26	Measurement of thermoelectric properties of individual bismuth telluride nanowires. , 2005, , .		1
27	Thermal Conductivity Measurement of Graphene Exfoliated on Silicon Dioxide. , 2010, , .		1
28	Thermal conductivity measurement and analysis of Ge-Si _x Ge _{1-x} core-shell nanowires. Applied Physics Express, 2019, 12, 045001.	1.1	1