

Li Shi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4981884/publications.pdf>

Version: 2024-02-01

205
papers

29,418
citations

13087

68
h-index

4641

170
g-index

207
all docs

207
docs citations

207
times ranked

29247
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Synthetic Modification of Graphitic Foams and Dendritic Graphitic Foams for Thermal Management. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, 2100576.	0.8	0
2	Raman Linewidth Contributions from Four-Phonon and Electron-Phonon Interactions in Graphene. <i>Physical Review Letters</i> , 2022, 128, 045901.	2.9	19
3	Reexamination of hydrodynamic phonon transport in thin graphite. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	7
4	Peak thermal conductivity measurements of boron arsenide crystals. <i>Physical Review Materials</i> , 2022, 6, .	0.9	2
5	Electronic structure of cubic boron arsenide probed by scanning tunneling spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 31LT01.	1.3	4
6	Effects of Impurities on the Thermal and Electrical Transport Properties of Cubic Boron Arsenide. <i>Chemistry of Materials</i> , 2021, 33, 6974-6982.	3.2	19
7	Transient Hydrodynamic Lattice Cooling by Picosecond Laser Irradiation of Graphite. <i>Physical Review Letters</i> , 2021, 127, 085901.	2.9	19
8	A differential thin film resistance thermometry method for peak thermal conductivity measurements of high thermal conductivity crystals. <i>Review of Scientific Instruments</i> , 2021, 92, 094901.	0.6	3
9	Ultrahigh thermal conductivity in isotope-enriched cubic boron nitride. <i>Science</i> , 2020, 367, 555-559.	6.0	177
10	Pressure-Dependent Behavior of Defect-Modulated Band Structure in Boron Arsenide. <i>Advanced Materials</i> , 2020, 32, e2001942.	11.1	18
11	Synthesis and thermal transport properties of high-surface area hexagonal boron nitride foam structures. <i>International Journal of Heat and Mass Transfer</i> , 2020, 161, 120268.	2.5	10
12	Enhanced Low-Temperature Thermoelectric Performance in $(\text{PbSe})_{1-x}\text{I}_x(\text{VSe})_2$ Heterostructures due to Highly Correlated Electrons in Charge Density Waves. <i>Nano Letters</i> , 2020, 20, 8008-8014.	4.5	6
13	Mean Free Path Suppression of Low-Frequency Phonons in SiGe Nanowires. <i>Nano Letters</i> , 2020, 20, 8384-8391.	4.5	12
14	Pure Spin Current and Magnon Chemical Potential in a Nonequilibrium Magnetic Insulator. <i>Physical Review X</i> , 2020, 10, .	2.8	11
15	Synthesis and Magnon Thermal Transport Properties of Spin Ladder $\text{Sr}_{14}\text{Cu}_{24}\text{O}_{41}$ Microstructures. <i>Advanced Functional Materials</i> , 2020, 30, 2001637.	7.8	7
16	Phonon interaction with ripples and defects in thin layered molybdenum disulfide. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	10
17	Thermal Expansion Coefficient and Lattice Anharmonicity of Cubic Boron Arsenide. <i>Physical Review Applied</i> , 2019, 11, .	1.5	23
18	Thermoelectric measurements of high-resistance Janus monolayer transition-metal dichalcogenide. <i>Review of Scientific Instruments</i> , 2019, 90, 105110.	0.6	2

#	ARTICLE	IF	CITATIONS
37	Cross-plane Thermoelectric and Thermionic Transport across Au/h-BN/Graphene Heterostructures. Scientific Reports, 2017, 7, 14148.	1.6	18
38	Effects of grain boundaries and defects on anisotropic magnon transport in textured Sr14Cu24O41. Physical Review B, 2017, 95, .	1.1	10
39	Janus Monolayer Transition-Metal Dichalcogenides. ACS Nano, 2017, 11, 8192-8198.	7.3	1,001
40	Temperature-dependent Brillouin light scattering spectra of magnons in yttrium iron garnet and permalloy. Physical Review B, 2017, 96, .	1.1	16
41	Thermal and Thermoelectric Characterization of Individual Nanostructures and Thin Films. , 2017, , 410-434.		0
42	Temperature and Thickness Dependences of the Anisotropic In-plane Thermal Conductivity of Black Phosphorus. Advanced Materials, 2017, 29, 1603756.	11.1	99
43	Glass-like thermal conductivity in nanostructures of a complex anisotropic crystal. Physical Review B, 2017, 96, .	1.1	10
44	Gate-tunable and thickness-dependent electronic and thermoelectric transport in few-layer MoS2. Journal of Applied Physics, 2016, 120, .	1.1	66
45	Searching for Highly Active Catalysts for Hydrogen Evolution Reaction Based on O-Terminated MXenes through a Simple Descriptor. Chemistry of Materials, 2016, 28, 9026-9032.	3.2	247
46	Thermal and thermoelectric transport measurements of an individual boron arsenide microstructure. Applied Physics Letters, 2016, 108, .	1.5	53
47	Thermoelectric transport in surface- and antimony-doped bismuth telluride nanoplates. APL Materials, 2016, 4, 104810.	2.2	22
48	Quantitative scanning thermal microscopy of graphene devices on flexible polyimide substrates. Journal of Applied Physics, 2016, 119, .	1.1	17
49	Basal-plane thermal conductivity of nanocrystalline and amorphized thin germanane. Applied Physics Letters, 2016, 109, 131907.	1.5	11
50	Localized Mg-vacancy states in the thermoelectric material Mg ₂ Si _{0.4} Sn _{0.6} . Journal of Applied Physics, 2016, 119, .	1.1	9
51	Magnons and Phonons Optically Driven out of Local Equilibrium in a Magnetic Insulator. Physical Review Letters, 2016, 117, 107202.	2.9	45
52	Thermal stability of Mg ₂ Si _{0.4} Sn _{0.6} in inert gases and atomic-layer-deposited Al ₂ O ₃ thin film as a protective coating. Journal of Materials Chemistry A, 2016, 4, 17726-17731.	5.2	21
53	And magnon dynamics in the incommensurate spin-ladder compound Sr_2CuO_3 . Physical Review B, 2016, 93, 114411.	1.1	14
54	Activating Inert Basal Planes of MoS ₂ for Hydrogen Evolution Reaction through the Formation of Different Intrinsic Defects. Chemistry of Materials, 2016, 28, 4390-4396.	3.2	388

#	ARTICLE	IF	CITATIONS
55	Magnetic field-induced helical mode and topological transitions in a topological insulator nanoribbon. <i>Nature Nanotechnology</i> , 2016, 11, 345-351.	15.6	93
56	Scanning Thermal Microscopy. , 2016, , 3521-3530.		0
57	Scattering of phonons by high-concentration isotopic impurities in ultrathin graphite. <i>Physical Review B</i> , 2015, 91, .	1.1	16
58	Gate Tunable Relativistic Mass and Berry's phase in Topological Insulator Nanoribbon Field Effect Devices. <i>Scientific Reports</i> , 2015, 5, 8452.	1.6	48
59	Reexamination of basal plane thermal conductivity of suspended graphene samples measured by electro-thermal micro-bridge methods. <i>AIP Advances</i> , 2015, 5, .	0.6	40
60	Size-Dependent Nanoparticle Uptake by Endothelial Cells in a Capillary Flow System. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2015, 6, .	0.8	2
61	Effect of Shape, Size, and Aspect Ratio on Nanoparticle Penetration and Distribution inside Solid Tissues Using 3D Spheroid Models. <i>Advanced Healthcare Materials</i> , 2015, 4, 2269-2280.	3.9	111
62	Evaluating Broader Impacts of Nanoscale Thermal Transport Research. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2015, 19, 127-165.	1.4	69
63	Suppressing the bipolar contribution to the thermoelectric properties of Mg ₂ Si _{0.4} Sn _{0.6} by Ge substitution. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	51
64	Scalable Fabrication of Low Elastic Modulus Polymeric Nanocarriers With Controlled Shapes for Diagnostics and Drug Delivery. <i>Journal of Micro and Nano-Manufacturing</i> , 2015, 3, .	0.8	4
65	Significant Electronic Thermal Transport in the Conducting Polymer Poly(3,4-ethylenedioxythiophene). <i>Advanced Materials</i> , 2015, 27, 2101-2106.	11.1	176
66	A eutectic mixture of galactitol and mannitol as a phase change material for latent heat storage. <i>Energy Conversion and Management</i> , 2015, 103, 139-146.	4.4	85
67	A four-probe thermal transport measurement method for nanostructures. <i>Review of Scientific Instruments</i> , 2015, 86, 044901.	0.6	34
68	Effects of ball milling on microstructures and thermoelectric properties of higher manganese silicides. <i>Journal of Alloys and Compounds</i> , 2015, 641, 30-36.	2.8	50
69	Twisting phonons in complex crystals with quasi-one-dimensional substructures. <i>Nature Communications</i> , 2015, 6, 6723.	5.8	75
70	Continuous Carbon Nanotube-Ultrathin Graphite Hybrid Foams for Increased Thermal Conductivity and Suppressed Subcooling in Composite Phase Change Materials. <i>ACS Nano</i> , 2015, 9, 11699-11707.	7.3	283
71	Temperature dependence of Brillouin light scattering spectra of acoustic phonons in silicon. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	16
72	Enhanced thermoelectric power factor of Re-substituted higher manganese silicides with small islands of MnSi secondary phase. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10500-10508.	2.7	44

#	ARTICLE	IF	CITATIONS
73	Experimental and theoretical analysis of an aluminum foam enhanced phase change thermal storage unit. <i>International Journal of Heat and Mass Transfer</i> , 2015, 82, 273-281.	2.5	114
74	Thermoelectric transport across graphene/hexagonal boron nitride/graphene heterostructures. <i>Nano Research</i> , 2015, 8, 666-672.	5.8	95
75	Topological surface state transport and current saturation in topological insulator nanoribbons field effect transistors. , 2014, , .		0
76	A Reexamination of Phonon Transport Through a Nanoscale Point Contact in Vacuum. <i>Journal of Heat Transfer</i> , 2014, 136, .	1.2	26
77	Basal-plane thermal conductivity of few-layer molybdenum disulfide. <i>Applied Physics Letters</i> , 2014, 104, 201902.	1.5	142
78	Numerical Optimization and Power Output Control of a Hot Thermal Battery with Phase Change Material. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014, 65, 825-843.	1.2	11
79	Nanoscale thermal transport. II. 2003â€“2012. <i>Applied Physics Reviews</i> , 2014, 1, 011305.	5.5	1,277
80	High thermal conductivity of chain-oriented amorphous polythiophene. <i>Nature Nanotechnology</i> , 2014, 9, 384-390.	15.6	327
81	Thermal interface conductance across a graphene/hexagonal boron nitride heterojunction. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	76
82	Approaching the Minimum Thermal Conductivity in Rhenium-Substituted Higher Manganese Silicides. <i>Advanced Energy Materials</i> , 2014, 4, 1400452.	10.2	74
83	Enhanced thermal conductivity of phase change materials with ultrathin-graphite foams for thermal energy storage. <i>Energy and Environmental Science</i> , 2014, 7, 1185-1192.	15.6	489
84	Thermoelectric Properties of Undoped High Purity Higher Manganese Silicides Grown by Chemical Vapor Transport. <i>Chemistry of Materials</i> , 2014, 26, 5097-5104.	3.2	48
85	Micro- and Nanoscale Measurement Methods for Phase Change Heat Transfer on Planar and Structured Surfaces. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2014, 18, 270-287.	1.4	11
86	High fidelity finite difference model for exploring multi-parameter thermoelectric generator design space. <i>Applied Energy</i> , 2014, 129, 373-383.	5.1	39
87	Emerging challenges and materials for thermal management of electronics. <i>Materials Today</i> , 2014, 17, 163-174.	8.3	1,359
88	Development of an Analytical Design Tool for Monolithic Emission Control Catalysts and Application to Nano-Textured Substrate System. <i>Journal of Thermal Science and Engineering Applications</i> , 2014, 6, .	0.8	1
89	A comprehensive study of thermoelectric and transport properties of β -silicon carbide nanowires. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	36
90	Reexamination of thermal transport measurements of a low-thermal conductance nanowire with a suspended micro-device. <i>Review of Scientific Instruments</i> , 2013, 84, 084903.	0.6	37

#	ARTICLE	IF	CITATIONS
91	Effects of Surface Band Bending and Scattering on Thermoelectric Transport in Suspended Bismuth Telluride Nanoplates. <i>Nano Letters</i> , 2013, 13, 5316-5322.	4.5	129
92	Thermal conductivity of ZnTe nanowires. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	17
93	Mammalian cells preferentially internalize hydrogel nanodiscs over nanorods and use shape-specific uptake mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17247-17252.	3.3	352
94	Phonon-interface scattering in multilayer graphene on an amorphous support. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16321-16326.	3.3	141
95	Thermodynamic model of a thermal storage air conditioning system with dynamic behavior. <i>Applied Energy</i> , 2013, 112, 160-169.	5.1	27
96	Progress, Challenges, and Opportunities in Two-Dimensional Materials Beyond Graphene. <i>ACS Nano</i> , 2013, 7, 2898-2926.	7.3	4,062
97	Brillouin light scattering spectra as local temperature sensors for thermal magnons and acoustic phonons. <i>Applied Physics Letters</i> , 2013, 102, 082401.	1.5	22
98	Thermal Conductivity and Phonon Transport in Suspended Few-Layer Hexagonal Boron Nitride. <i>Nano Letters</i> , 2013, 13, 550-554.	4.5	585
99	Size-Dependent Nanoparticle Margination and Adhesion Propensity in a Microchannel. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2013, 4, .	0.8	8
100	Effects of (Al,Ge) double doping on the thermoelectric properties of higher manganese silicides. <i>Journal of Applied Physics</i> , 2013, 114, 173705.	1.1	49
101	Iodine doping effects on the lattice thermal conductivity of oxidized polyacetylene nanofibers. <i>Journal of Applied Physics</i> , 2013, 114, 194302.	1.1	17
102	Report on the Seventh U.S.â€“Japan Joint Seminar on Nanoscale Transport Phenomenaâ€“Science and Engineering. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2013, 17, 25-49.	1.4	1
103	THERMAL TRANSPORT MEASUREMENT TECHNIQUES FOR NANOWIRES AND NANOTUBES. <i>Annual Review of Heat Transfer</i> , 2013, 16, 101-134.	0.3	23
104	Phonon Transport and Thermoelectricity in Defect-Engineered InAs Nanowires. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1404, 36.	0.1	6
105	The Effect of Nanoparticle Size on Margination and Adhesion Propensity in Artificial Micro-Capillaries. , 2012, , .		2
106	Thermal and Thermoelectric Transport in Nanostructures and Low-Dimensional Systems. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2012, 16, 79-116.	1.4	113
107	Thermal transport in graphene. <i>Solid State Communications</i> , 2012, 152, 1321-1330.	0.9	165
108	Thermal Conductivity Measurement of Individual Polythiophene Nanofibers With Suspended Micro-Resistance Thermometer Devices. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
109	Thermal Transport in Three-Dimensional Foam Architectures of Few-Layer Graphene and Ultrathin Graphite. <i>Nano Letters</i> , 2012, 12, 2959-2964.	4.5	314
110	Ultrathin Graphite Foam: A Three-Dimensional Conductive Network for Battery Electrodes. <i>Nano Letters</i> , 2012, 12, 2446-2451.	4.5	382
111	Scalable Imprinting of Shape-Specific Polymeric Nanocarriers Using a Release Layer of Switchable Water Solubility. <i>ACS Nano</i> , 2012, 6, 2524-2531.	7.3	33
112	Model of Heat Exchangers for Waste Heat Recovery from Diesel Engine Exhaust for Thermoelectric Power Generation. <i>Journal of Electronic Materials</i> , 2012, 41, 1290-1297.	1.0	37
113	Thermoelectric Properties of Cold-Pressed Higher Manganese Silicides for Waste Heat Recovery. <i>Journal of Electronic Materials</i> , 2012, 41, 1564-1572.	1.0	27
114	Low-Frequency Acoustic Phonon Temperature Distribution in Electrically Biased Graphene. <i>Nano Letters</i> , 2011, 11, 85-90.	4.5	63
115	A microsphere coupler for a nanowire waveguide plasmonic probe for molecular imaging. <i>Nanotechnology</i> , 2011, 22, 045203.	1.3	3
116	Swelling behavior of nanoscale, shape- and size-specific, hydrogel particles fabricated using imprint lithography. <i>Soft Matter</i> , 2011, 7, 2879.	1.2	49
117	Thermal Conductivity Measurement of Graphene Exfoliated on Silicon Dioxide. <i>Journal of Heat Transfer</i> , 2011, 133, .	1.2	32
118	Raman Measurements of Thermal Transport in Suspended Monolayer Graphene of Variable Sizes in Vacuum and Gaseous Environments. <i>ACS Nano</i> , 2011, 5, 321-328.	7.3	474
119	Direct observation of heat dissipation in individual suspended carbon nanotubes using a two-laser technique. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	52
120	Thermal conductivity of indium arsenide nanowires with wurtzite and zinc blende phases. <i>Physical Review B</i> , 2011, 83, .	1.1	96
121	Influence of Polymeric Residue on the Thermal Conductivity of Suspended Bilayer Graphene. <i>Nano Letters</i> , 2011, 11, 1195-1200.	4.5	255
122	Experimental Investigation of Thermal Transport Mechanisms Through a Nanoscale Point Contact. , 2011, , .		0
123	Thermal resistance of a nanoscale point contact to an indium arsenide nanowire. <i>Applied Physics Letters</i> , 2011, 99, 063110.	1.5	15
124	On errors in thermal conductivity measurements of suspended and supported nanowires using micro-thermometer devices from low to high temperatures. <i>Measurement Science and Technology</i> , 2011, 22, 015103.	1.4	48
125	Thermal Transport Measurements of Bilayer and Few-Layer Graphene Supported on Silicon Dioxide. , 2011, , .		2
126	Thermal Conductivity Measurement of Graphene Exfoliated on Silicon Dioxide. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
127	Effect of growth base pressure on the thermoelectric properties of indium antimonide nanowires. Journal Physics D: Applied Physics, 2010, 43, 025406.	1.3	50
128	In-plane thermal and thermoelectric properties of misfit-layered [(PbSe) _{0.99}](WSe ₂) _x superlattice thin films. Applied Physics Letters, 2010, 96, .	1.5	38
129	Designer nanoparticles: incorporating size, shape and triggered release into nanoscale drug carriers. Expert Opinion on Drug Delivery, 2010, 7, 479-495.	2.4	263
130	Synthesis and Properties of Turbostratically Disordered, Ultrathin WSe ₂ Films. Chemistry of Materials, 2010, 22, 2750-2756.	3.2	30
131	Two-Dimensional Phonon Transport in Supported Graphene. Science, 2010, 328, 213-216.	6.0	1,692
132	Thermal Transport in Suspended and Supported Monolayer Graphene Grown by Chemical Vapor Deposition. Nano Letters, 2010, 10, 1645-1651.	4.5	1,103
133	Thermoreflectance imaging measurement of in-plane thermal properties of thin-film structures. , 2010, , .		0
134	The effect of gas environment on electrical heating in suspended carbon nanotubes. Journal of Applied Physics, 2010, 108, .	1.1	41
135	Thermal Conductivity Measurements of Nylon 11-Carbon Nanofiber Nanocomposites. Journal of Heat Transfer, 2009, 131, .	1.2	19
136	Simulation of Charge Density and Field Distribution of a Gold Nanoparticle Tip-Terminated Scanning Nanowire Waveguide for Molecular Imaging. , 2009, , .		0
137	Controlled formation and resistivity scaling of nickel silicide nanolines. Nanotechnology, 2009, 20, 085304.	1.3	15
138	Thermal and Structural Characterizations of Individual Single-, Double-, and Multi-Walled Carbon Nanotubes. Advanced Functional Materials, 2009, 19, 3918-3925.	7.8	169
139	Carbon Nanotubes: (Thermal and Structural Characterizations of Individual Single-, Double-, and) Tj ETQq1 1 0.784314 rgBT /Overlock NA-NA.	7.8	0
140	Optical Absorption and Thermal Transport of Individual Suspended Carbon Nanotube Bundles. Nano Letters, 2009, 9, 590-594.	4.5	72
141	Thermal probing of energy dissipation in current-carrying carbon nanotubes. Journal of Applied Physics, 2009, 105, .	1.1	97
142	Thermal conductivity suppression in bismuth nanowires. Journal of Applied Physics, 2009, 106, .	1.1	77
143	Nanoscale design to enable the revolution in renewable energy. Energy and Environmental Science, 2009, 2, 559.	15.6	348
144	Thermoelectric and structural characterizations of individual electrodeposited bismuth telluride nanowires. Journal of Applied Physics, 2009, 105, .	1.1	151

#	ARTICLE	IF	CITATIONS
145	Thermal Conductivity of One-Dimensional Silicon-Germanium Alloy Nanowires. , 2009, , .		0
146	Nanoimprint lithography based fabrication of shape-specific, enzymatically-triggered smart nanoparticles. Journal of Controlled Release, 2008, 125, 263-272.	4.8	218
147	Phonon backscattering and thermal conductivity suppression in sawtooth nanowires. Applied Physics Letters, 2008, 93, .	1.5	159
148	Report on 6th U.S.â€“Japan Joint Seminar on Nanoscale Transport Phenomenaâ€”Science and Engineering. Nanoscale and Microscale Thermophysical Engineering, 2008, 12, 273-293.	1.4	1
149	Comment on â€œLength-dependant thermal conductivity of an individual single-wall carbon nanotubeâ€• [Appl. Phys. Lett. 91, 123119 (2007)]. Applied Physics Letters, 2008, 92, 206103.	1.5	5
150	Optical measurement of thermal transport in suspended carbon nanotubes. Applied Physics Letters, 2008, 92, .	1.5	91
151	Simulation of a plasmonic tip-terminated scanning nanowire waveguide for molecular imaging. Applied Physics Letters, 2008, 93, 193101.	1.5	10
152	Simulation of Electromagnetic Field Distribution at a Nanowire Probe for Near Field Scanning Optical Microscopy. , 2008, , .		0
153	Thermal Conductance of Individual Single-Wall Carbon Nanotubes. , 2008, , .		0
154	In-plane Thermoelectric Properties of Epitaxial InGaAlAs Films embedded with ErAs Nanoparticles. , 2008, , .		1
155	Molecular dynamics simulation of thermal transport at a nanometer scale constriction in silicon. Journal of Applied Physics, 2007, 101, 074304.	1.1	37
156	In-plane thermal conductivity of disordered layered WSe2 and (W)x(WSe2)y superlattice films. Applied Physics Letters, 2007, 91, .	1.5	77
157	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.	1.1	81
158	Support Controlled Catalytic Chemical Vapor Deposition of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2007, 1017, 7.	0.1	0
159	Characterization of Heat Propagation along Single Tin Dioxide Nanobelt Using the Thermorefectance Method. Materials Research Society Symposia Proceedings, 2007, 1022, 1.	0.1	1
160	Determination of Transport Properties in Chromium Disilicide Nanowires via Combined Thermoelectric and Structural Characterizations. Nano Letters, 2007, 7, 1649-1654.	4.5	131
161	Four-probe measurements of the in-plane thermoelectric properties of nanofilms. Review of Scientific Instruments, 2007, 78, 034901.	0.6	106
162	Comparison study of catalyst nanoparticle formation and carbon nanotube growth: Support effect. Journal of Applied Physics, 2007, 101, 124310.	1.1	83

#	ARTICLE	IF	CITATIONS
163	Monte Carlo Simulation of Phonon Backscattering in a Nanowire. , 2006, , 549.		5
164	Thermal Contact Resistance and Thermal Conductivity of a Carbon Nanofiber. Journal of Heat Transfer, 2006, 128, 234-239.	1.2	161
165	Effect of supporting layer on growth of carbon nanotubes by thermal chemical vapor deposition. Applied Physics Letters, 2006, 89, 183113.	1.5	27
166	Combined Thermoelectric and Structure Characterizations of Patterned Nanowires. , 2006, , .		4
167	One-dimensional electron transport and thermopower in an individual InSb nanowire. Journal of Physics Condensed Matter, 2006, 18, 9651-9657.	0.7	25
168	Synthesis and Thermoelectric Measurement of Individual Bismuth Nanowires. , 2006, , .		0
169	Bio-MEMS Devices in Cell Manipulation. , 2006, , 237-262.		0
170	Measurements of Thermoelectric Properties of Bismuth Telluride Nanowires. , 2005, , .		1
171	Molecular Dynamics Simulation of Thermal Transport at Nanometer Size Point Contacts on a Planar Silicon Substrate. , 2005, , 389.		2
172	Thermal Contact Resistance and Thermal Conductivity of a Carbon Nanofiber. , 2005, , 197.		2
173	Managing heat for electronics. Materials Today, 2005, 8, 30-35.	8.3	227
174	Measurement of thermoelectric properties of individual bismuth telluride nanowires. , 2005, , .		1
175	Integration of metal oxide nanobelts with microsystems for nerve agent detection. Applied Physics Letters, 2005, 86, 063101.	1.5	127
176	Three-dimensional modeling of nanoscale Seebeck measurements by scanning thermoelectric microscopy. Applied Physics Letters, 2005, 87, 053115.	1.5	22
177	Scanning Thermal and Thermoelectric Microscopy. , 2005, , 183-205.		3
178	Thermoelectric properties of individual electrodeposited bismuth telluride nanowires. Applied Physics Letters, 2005, 87, 133109.	1.5	202
179	A three-dimensional dielectrophoretic particle focusing channel for microcytometry applications. Journal of Microelectromechanical Systems, 2005, 14, 480-487.	1.7	135
180	Thermal Characterization and Sensor Applications of One-Dimensional Nanostructures Employing Microelectromechanical Systems. Journal of Physical Chemistry B, 2005, 109, 22102-22111.	1.2	39

#	ARTICLE	IF	CITATIONS
181	Thermal Conductance and Thermopower of an Individual Single-Wall Carbon Nanotube. Nano Letters, 2005, 5, 1842-1846.	4.5	795
182	Nano-Imprint Patterning of Nanowire Structures for Interconnect Study. , 2005, , .		0
183	Scanning Probe Microscopy of Carbon Nanotube Electronic Devices. , 2004, , 87.		0
184	Thermal conductivities of individual tin dioxide nanobelts. Applied Physics Letters, 2004, 84, 2638-2640.	1.5	123
185	Profiling the Thermoelectric Power of Semiconductor Junctions with Nanometer Resolution. Science, 2004, 303, 816-818.	6.0	159
186	Integration of metal-oxide nanobelts with microsystems for sensor applications. , 2004, , .		1
187	Micro-Nano Scale Thermal Imaging Using Scanning Probe Microscopy. Nanoscience and Technology, 2004, , 327-362.	1.5	10
188	Mesoscopic thermal and thermoelectric measurements of individual carbon nanotubes. Solid State Communications, 2003, 127, 181-186.	0.9	122
189	Thermal conductivity of individual silicon nanowires. Applied Physics Letters, 2003, 83, 2934-2936.	1.5	1,536
190	Measuring Thermal and Thermoelectric Properties of One-Dimensional Nanostructures Using a Microfabricated Device. Journal of Heat Transfer, 2003, 125, 881-888.	1.2	698
191	Scanning Thermal Wave Microscopy (STWM). Journal of Heat Transfer, 2003, 125, 156-163.	1.2	43
192	Nanoscale Thermal and Thermoelectric Mapping of Semiconductor Devices and Interconnects. AIP Conference Proceedings, 2003, , .	0.3	0
193	A Micro-Flow Cytometer Based on Dielectrophoretic Particle Focusing. , 2003, , 545.		0
194	Thermal and Thermoelectric Measurements of Low Dimensional Nanostructures. , 2003, , 77.		8
195	Enhanced thermoelectric cooling at cold junction interfaces. Applied Physics Letters, 2002, 80, 3006-3008.	1.5	34
196	Thermal Transport Mechanisms at Nanoscale Point Contacts. Journal of Heat Transfer, 2002, 124, 329-337.	1.2	203
197	Mesoscopic thermal transport and energy dissipation in carbon nanotubes. Physica B: Condensed Matter, 2002, 323, 67-70.	1.3	118
198	Thermal Transport Measurements of Individual Multiwalled Nanotubes. Physical Review Letters, 2001, 87, 215502.	2.9	2,853

#	ARTICLE	IF	CITATIONS
199	Design and batch fabrication of probes for sub-100 nm scanning thermal microscopy. Journal of Microelectromechanical Systems, 2001, 10, 370-378.	1.7	101
200	RECENT DEVELOPMENTS IN MICRO AND NANOSCALE THERMOMETRY. Microscale Thermophysical Engineering, 2001, 5, 251-265.	1.2	28
201	Scanning thermal microscopy of carbon nanotubes using batch-fabricated probes. Applied Physics Letters, 2000, 77, 4295-4297.	1.5	156
202	Quantitative thermal probing of devices at sub-100 nm resolution. , 0, , .		5
203	Thermoelectric mapping of p-n junctions and superlattices. , 0, , .		0
204	Theoretical analysis of SnO/sub 2/ nanobelt thermal conductivity. , 0, , .		0
205	Scanning thermal microscopy of carbon nanotube electronic devices. , 0, , .		0