

Patrick E Hopkins

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4025430/publications.pdf>

Version: 2024-02-01

249
papers

11,304
citations

24978

57
h-index

42291

92
g-index

254
all docs

254
docs citations

254
times ranked

9105
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Quasi-harmonic theory for phonon thermal boundary conductance at high temperatures. Journal of Applied Physics, 2022, 131, 015101. | 1.1 | 3 |
| 2 | Emergent interface vibrational structure of oxide superlattices. Nature, 2022, 601, 556-561. | 13.7 | 40 |
| 3 | Detection of sub-micrometer thermomechanical and thermochemical failure mechanisms in titanium with a laser-based thermoreflectance technique. Journal of Applied Physics, 2022, 131, 055104. | 1.1 | 1 |
| 4 | Highly Negative Poisson's Ratio in Thermally Conductive Covalent Organic Frameworks. ACS Nano, 2022, 16, 2843-2851. | 7.3 | 17 |
| 5 | Simultaneously enhanced electrical conductivity and suppressed thermal conductivity for ALD ZnO films via purge-time controlled defects. Applied Physics Letters, 2022, 120, . | 1.5 | 2 |
| 6 | Hybridization from Guest-Host Interactions Reduces the Thermal Conductivity of Metal-Organic Frameworks. Journal of the American Chemical Society, 2022, 144, 3603-3613. | 6.6 | 23 |
| 7 | Observation of solid-state bidirectional thermal conductivity switching in antiferroelectric lead zirconate (PbZrO ₃). Nature Communications, 2022, 13, 1573. | 5.8 | 25 |
| 8 | Supramolecular Interactions Lead to Remarkably High Thermal Conductivities in Interpenetrated Two-Dimensional Porous Crystals. Nano Letters, 2022, 22, 3071-3076. | 4.5 | 6 |
| 9 | Atomic coordination dictates vibrational characteristics and thermal conductivity in amorphous carbon. Npj Computational Materials, 2022, 8, . | 3.5 | 10 |
| 10 | Pore-Confined Polymers Enhance the Thermal Conductivity of Polymer Nanocomposites. ACS Macro Letters, 2022, 11, 116-120. | 2.3 | 3 |
| 11 | A New Polystyrene-Poly(vinylpyridinium) Ionic Copolymer Dopant for n-Type All-Polymer Thermoelectrics with High and Stable Conductivity Relative to the Seebeck Coefficient giving High Power Factor. Advanced Materials, 2022, 34, e2201062. | 11.1 | 13 |
| 12 | Plasma-induced surface cooling. Nature Communications, 2022, 13, 2623. | 5.8 | 6 |
| 13 | Vacancy-Induced Temperature-Dependent Thermal and Magnetic Properties of Holmium-Substituted Bismuth Ferrite Nanoparticle Compacts. ACS Applied Materials & Interfaces, 2022, 14, 25886-25897. | 4.0 | 4 |
| 14 | Orientation-Controlled Anisotropy in Single Crystals of Quasi-1D BaTiS ₃ . Chemistry of Materials, 2022, 34, 5680-5689. | 3.2 | 6 |
| 15 | Electron-phonon relaxation at the Au/WSe ₂ interface is significantly accelerated by a Ti adhesion layer: time-domain <i>ab initio</i> analysis. Nanoscale, 2022, 14, 10514-10523. | 2.8 | 7 |
| 16 | Upper limits to thermal conductance across gallium nitride interfaces: Predictions and measurements. , 2022, , 83-102. | | 0 |
| 17 | Evolution of microstructure and thermal conductivity of multifunctional environmental barrier coating systems. Materials Today Physics, 2021, 17, 100304. | 2.9 | 16 |
| 18 | Long-lived modulation of plasmonic absorption by ballistic thermal injection. Nature Nanotechnology, 2021, 16, 47-51. | 15.6 | 40 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Probing thermal conductivity of subsurface, amorphous layers in irradiated diamond. Journal of Applied Physics, 2021, 129, . | 1.1 | 6 |
| 20 | Interface controlled thermal resistances of ultra-thin chalcogenide-based phase change memory devices. Nature Communications, 2021, 12, 774. | 5.8 | 59 |
| 21 | Applications and Impacts of Nanoscale Thermal Transport in Electronics Packaging. Journal of Electronic Packaging, Transactions of the ASME, 2021, 143, . | 1.2 | 38 |
| 22 | Compositional and phase dependence of elastic modulus of crystalline and amorphous Hf _{1-x} Zr _x O ₂ thin films. Applied Physics Letters, 2021, 118, . | 1.5 | 19 |
| 23 | Hydrogen effects on the thermal conductivity of delocalized vibrational modes in amorphous silicon nitride. Applied Physics Letters, 2021, 118, . | 0.9 | 5 |
| 24 | Mid-wave to near-IR optoelectronic properties and epsilon-near-zero behavior in indium-doped cadmium oxide. Physical Review Materials, 2021, 5, . | 0.9 | 12 |
| 25 | Thickness-Independent Vibrational Thermal Conductance across Confined Solid-Solution Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 12541-12549. | 4.0 | 3 |
| 26 | Thermally conductive ultra-low-k dielectric layers based on two-dimensional covalent organic frameworks. Nature Materials, 2021, 20, 1142-1148. | 13.3 | 158 |
| 27 | High In-Plane Thermal Conductivity of Aluminum Nitride Thin Films. ACS Nano, 2021, 15, 9588-9599. | 7.3 | 58 |
| 28 | Thermal Conductivity Enhancement in Ion-Irradiated Hydrogenated Amorphous Carbon Films. Nano Letters, 2021, 21, 3935-3940. | 4.5 | 11 |
| 29 | Band alignment and defects influence the electron-phonon heat transport mechanisms across metal interfaces. Applied Physics Letters, 2021, 118, . | 1.5 | 8 |
| 30 | Simultaneous thickness and thermal conductivity measurements of thinned silicon from 100 nm to 17.5 μm. Applied Physics Letters, 2021, 118, . | 1.5 | 5 |
| 31 | Temperature dependent electron-phonon coupling of Au resolved via lattice dynamics measured with sub-picosecond infrared pulses. Journal of Applied Physics, 2021, 129, . | 1.1 | 8 |
| 32 | Tuning network topology and vibrational mode localization to achieve ultralow thermal conductivity in amorphous chalcogenides. Nature Communications, 2021, 12, 2817. | 5.8 | 29 |
| 33 | Organic-component dependent thermal conductivity reduction in ALD/MLD grown ZnO:organic superlattice thin films. Applied Physics Letters, 2021, 118, 211903. | 1.5 | 10 |
| 34 | Thermal conductivity measurements of sub-surface buried substrates by steady-state thermoreflectance. Review of Scientific Instruments, 2021, 92, 064906. | 0.6 | 17 |
| 35 | Heat Transfer Mechanisms and Tunable Thermal Conductivity Anisotropy in Two-Dimensional Covalent Organic Frameworks with Adsorbed Gases. Nano Letters, 2021, 21, 6188-6193. | 4.5 | 35 |
| 36 | High thermal conductivity and thermal boundary conductance of homoepitaxially grown gallium nitride (GaN) thin films. Physical Review Materials, 2021, 5, . | 0.9 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Reductions in the thermal conductivity of irradiated silicon governed by displacement damage. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 2 |
| 38 | Suppressed electronic contribution in thermal conductivity of Ge ₂ Sb ₂ Se ₄ Te. <i>Nature Communications</i> , 2021, 12, 7187. | 5.8 | 23 |
| 39 | Orders of magnitude reduction in the thermal conductivity of polycrystalline diamond through carbon, nitrogen, and oxygen ion implantation. <i>Carbon</i> , 2020, 157, 97-105. | 5.4 | 27 |
| 40 | A Review of Experimental and Computational Advances in Thermal Boundary Conductance and Nanoscale Thermal Transport across Solid Interfaces. <i>Advanced Functional Materials</i> , 2020, 30, 1903857. | 7.8 | 166 |
| 41 | Local thermal conductivity measurements to determine the fraction of $\hat{\pm}$ -cristobalite in thermally grown oxides for aerospace applications. <i>Scripta Materialia</i> , 2020, 177, 214-217. | 2.6 | 18 |
| 42 | Thermal conductance across harmonic-matched epitaxial Al-sapphire heterointerfaces. <i>Communications Physics</i> , 2020, 3, . | 2.0 | 41 |
| 43 | Interface and layer periodicity effects on the thermal conductivity of copper-based nanomultilayers with tungsten, tantalum, and tantalum nitride diffusion barriers. <i>Journal of Applied Physics</i> , 2020, 128, . | 1.1 | 11 |
| 44 | Experimental Control and Statistical Analysis of Thermal Conductivity in ZnO/Benzene Multilayer Thin Films. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24731-24739. | 1.5 | 9 |
| 45 | Spontaneous chemical functionalization via coordination of Au single atoms on monolayer MoS ₂ . <i>Science Advances</i> , 2020, 6, . | 4.7 | 56 |
| 46 | Chain-Length Dependence of Thermal Conductivity in 2D Alkylammonium Lead Iodide Single Crystals. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53705-53711. | 4.0 | 10 |
| 47 | Observation of reduced thermal conductivity in a metal-organic framework due to the presence of adsorbates. <i>Nature Communications</i> , 2020, 11, 4010. | 5.8 | 97 |
| 48 | Thermal conductivity of (Ge ₂ Sb ₂ Te ₅) _{1-x} C _x phase change films. <i>Journal of Applied Physics</i> , 2020, 128, 155106. | 1.1 | 4 |
| 49 | Heat diffusion imaging: In-plane thermal conductivity measurement of thin films in a broad temperature range. <i>Review of Scientific Instruments</i> , 2020, 91, 113701. | 0.6 | 7 |
| 50 | Thermal boundary conductance across epitaxial metal/sapphire interfaces. <i>Physical Review B</i> , 2020, 102, . | 1.1 | 26 |
| 51 | Tailoring thermal properties of multi-component rare earth monosilicates. <i>Acta Materialia</i> , 2020, 195, 698-707. | 3.8 | 73 |
| 52 | Structural Stabilization and Piezoelectric Enhancement in Epitaxial (Ti _{1-x} Mg _x) _{0.25} Al _{0.75} N(0001) Layers. <i>Advanced Functional Materials</i> , 2020, 30, 2001915. | 7.8 | 11 |
| 53 | Bulk-like Intrinsic Phonon Thermal Conductivity of Micrometer-Thick AlN Films. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29443-29450. | 4.0 | 22 |
| 54 | Electron and phonon thermal conductivity in high entropy carbides with variable carbon content. <i>Acta Materialia</i> , 2020, 196, 231-239. | 3.8 | 52 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Ultralow Thermal Conductivity of Two-Dimensional Metal Halide Perovskites. <i>Nano Letters</i> , 2020, 20, 3331-3337. | 4.5 | 64 |
| 56 | Thermal properties of carbon nitride toward use as an electrode in phase change memory devices. <i>Applied Physics Letters</i> , 2020, 116, 043502. | 1.5 | 14 |
| 57 | Anisotropic thermal conductivity tensor of $\text{Y}_2\text{Si}_2\text{O}_7$ for orientational control of heat flow on micrometer scales. <i>Acta Materialia</i> , 2020, 189, 299-305. | 3.8 | 12 |
| 58 | Understanding Molecular Layer Deposition Growth Mechanisms in Polyurea via Picosecond Acoustics Analysis. <i>Chemistry of Materials</i> , 2020, 32, 1553-1563. | 3.2 | 17 |
| 59 | Control of Charge Carrier Dynamics in Plasmonic Au Films by TiO_x Substrate Stoichiometry. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1419-1427. | 2.1 | 21 |
| 60 | Achieving a better heat conductor. <i>Nature Materials</i> , 2020, 19, 482-484. | 13.3 | 10 |
| 61 | Thermoelectric Performance Enhancement of Naturally Occurring Bi and Chitosan Composite Films Using Energy Efficient Method. <i>Electronics (Switzerland)</i> , 2020, 9, 532. | 1.8 | 6 |
| 62 | High mobility and high thermoelectric power factor in epitaxial ScN thin films deposited with plasma-assisted molecular beam epitaxy. <i>Applied Physics Letters</i> , 2020, 116, . | 1.5 | 26 |
| 63 | Dual-phase high-entropy ultra-high temperature ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 5037-5050. | 2.8 | 91 |
| 64 | Experimental observation of high intrinsic thermal conductivity of AlN. <i>Physical Review Materials</i> , 2020, 4, . | 0.9 | 60 |
| 65 | Molecular tail chemistry controls thermal transport in fullerene films. <i>Physical Review Materials</i> , 2020, 4, . | 0.9 | 11 |
| 66 | Effect of light atoms on thermal transport across solid–solid interfaces. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17029-17035. | 1.3 | 17 |
| 67 | Thermal Conductivity and Phonon Scattering Processes of ALD Grown PbTe – PbSe Thermoelectric Thin Films. <i>Advanced Functional Materials</i> , 2019, 29, 1904073. | 7.8 | 23 |
| 68 | Thermionic transport across gold-graphene- WSe_2 van der Waals heterostructures. <i>Science Advances</i> , 2019, 5, eaax7827. | 4.7 | 21 |
| 69 | Enhanced Figure of Merit in Bismuth-Antimony Fine-Grained Alloys at Cryogenic Temperatures. <i>Scientific Reports</i> , 2019, 9, 14892. | 1.6 | 17 |
| 70 | Electron–Phonon Relaxation at Au/Ti Interfaces Is Robust to Alloying: Ab Initio Nonadiabatic Molecular Dynamics. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22842-22850. | 1.5 | 9 |
| 71 | Tuning Electrical, Optical, and Thermal Properties through Cation Disorder in $\text{Cu}_2\text{ZnSnS}_4$. <i>Chemistry of Materials</i> , 2019, 31, 8402-8412. | 3.2 | 11 |
| 72 | Resonant phonon modes in fullerene functionalized graphene lead to large tunability of thermal conductivity without impacting the mechanical properties. <i>Journal of Applied Physics</i> , 2019, 125, . | 1.1 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Thin Ti adhesion layer breaks bottleneck to hot hole relaxation in Au films. Journal of Chemical Physics, 2019, 150, 184701. | 1.2 | 14 |
| 74 | Direct Laser Writing from Aqueous Precursors for Nano to Microscale Topographical Control, Integration, and Synthesis of Nanocrystalline Mixed Metal Oxides. ACS Applied Nano Materials, 2019, 2, 2581-2586. | 2.4 | 17 |
| 75 | First-principles determination of the ultrahigh electrical and thermal conductivity in free-electron metals via pressure tuning the electron-phonon coupling factor. Physical Review B, 2019, 99, . | 1.1 | 20 |
| 76 | A steady-state thermoreflectance method to measure thermal conductivity. Review of Scientific Instruments, 2019, 90, 024905. | 0.6 | 74 |
| 77 | A high-entropy silicide: (Mo _{0.2} Nb _{0.2} Ta _{0.2} Ti _{0.2} W _{0.2})Si ₂ . Journal of Materiomics, 2019, 5, 337-343. | 2.8 | 159 |
| 78 | Influence of mass and charge disorder on the phonon thermal conductivity of entropy stabilized oxides determined by molecular dynamics simulations. Journal of Applied Physics, 2019, 125, . | 1.1 | 48 |
| 79 | Uncertainty in linewidth quantification of overlapping Raman bands. Review of Scientific Instruments, 2019, 90, 013111. | 0.6 | 7 |
| 80 | Thermal conductance of aluminum oxy-fluoride passivation layers. Applied Physics Letters, 2019, 115, . | 1.5 | 1 |
| 81 | Spatially resolved thermoreflectance techniques for thermal conductivity measurements from the nanoscale to the mesoscale. Journal of Applied Physics, 2019, 126, . | 1.1 | 30 |
| 82 | Size Effects on the Cross-Plane Thermal Conductivity of Transparent Conducting Indium Tin Oxide and Fluorine Tin Oxide Thin Films. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 51-57. | 1.4 | 13 |
| 83 | Phase stability and mechanical properties of novel high entropy transition metal carbides. Acta Materialia, 2019, 166, 271-280. | 3.8 | 422 |
| 84 | Nanoscale Wetting and Energy Transmission at Solid/Liquid Interfaces. Langmuir, 2019, 35, 2106-2114. | 1.6 | 20 |
| 85 | Thermal Characterization of Quasi-Vertical GaAs Schottky Diodes Integrated on Silicon. IEEE Transactions on Electron Devices, 2019, 66, 349-356. | 1.6 | 8 |
| 86 | Charge confinement and thermal transport processes in modulation-doped epitaxial crystals lacking lattice interfaces. Physical Review Materials, 2019, 3, . | 0.9 | 2 |
| 87 | Titanium contacts to MoS_2 with interfacial oxide: Interface chemistry and thermal transport. Physical Review Materials, 2019, 3, . | 0.9 | 13 |
| 88 | Titanium contacts to graphene: process-induced variability in electronic and thermal transport. Nanotechnology, 2018, 29, 145201. | 1.3 | 23 |
| 89 | Interplay between total thickness and period thickness in the phonon thermal conductivity of superlattices from the nanoscale to the microscale: Coherent versus incoherent phonon transport. Physical Review B, 2018, 97, . | 1.1 | 48 |
| 90 | On the Steady-State Temperature Rise During Laser Heating of Multilayer Thin Films in Optical Pump-Probe Techniques. Journal of Heat Transfer, 2018, 140, . | 1.2 | 46 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 91 | High-entropy fluorite oxides. <i>Journal of the European Ceramic Society</i> , 2018, 38, 3578-3584. | 2.8 | 399 |
| 92 | Thermal Conductivity Reduction at Inorganic–Organic Interfaces: From Regular Superlattices to Irregular Gradient Layer Sequences. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701692. | 1.9 | 26 |
| 93 | Density and size effects on the thermal conductivity of atomic layer deposited TiO ₂ and Al ₂ O ₃ thin films. <i>Thin Solid Films</i> , 2018, 650, 71-77. | 0.8 | 36 |
| 94 | Substrate thermal conductivity controls the ability to manufacture microstructures via laser-induced direct write. <i>Applied Physics Letters</i> , 2018, 112, 051906. | 1.5 | 4 |
| 95 | Reduced dependence of thermal conductivity on temperature and pressure of multi-atom component crystalline solid solutions. <i>Journal of Applied Physics</i> , 2018, 123, . | 1.1 | 19 |
| 96 | Large tunability in the mechanical and thermal properties of carbon nanotube-fullerene hierarchical monoliths. <i>Nanoscale</i> , 2018, 10, 22166-22172. | 2.8 | 7 |
| 97 | Thermal Boundary Conductance Across Heteroepitaxial ZnO/GaN Interfaces: Assessment of the Phonon Gas Model. <i>Nano Letters</i> , 2018, 18, 7469-7477. | 4.5 | 53 |
| 98 | Thermal resistance and heat capacity in hafnium zirconium oxide (Hf _{1-x} Zr _x O ₂) dielectrics and ferroelectric thin films. <i>Applied Physics Letters</i> , 2018, 113, . | 1.5 | 18 |
| 99 | Hot Electron Thermoreflectance Coefficient of Gold during Electron–Phonon Nonequilibrium. <i>ACS Photonics</i> , 2018, 5, 4880-4887. | 3.2 | 20 |
| 100 | Experimental Evidence of Suppression of Subterahertz Phonons and Thermal Conductivity in GaAs/AlAs Superlattices Due to Extrinsic Scattering Processes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 29577-29585. | 1.5 | 5 |
| 101 | Reduction and Increase in Thermal Conductivity of Si Irradiated with Ga ⁺ via Focused Ion Beam. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37679-37684. | 4.0 | 5 |
| 102 | Charge-Induced Disorder Controls the Thermal Conductivity of Entropy-Stabilized Oxides. <i>Advanced Materials</i> , 2018, 30, e1805004. | 11.1 | 302 |
| 103 | Interfacial Defect Vibrations Enhance Thermal Transport in Amorphous Multilayers with Ultrahigh Thermal Boundary Conductance. <i>Advanced Materials</i> , 2018, 30, e1804097. | 11.1 | 55 |
| 104 | The influence of titanium adhesion layer oxygen stoichiometry on thermal boundary conductance at gold contacts. <i>Applied Physics Letters</i> , 2018, 112, 171602. | 1.5 | 23 |
| 105 | Thermal conductivity and thermal boundary resistance of atomic layer deposited high- <i>k</i> dielectric aluminum oxide, hafnium oxide, and titanium oxide thin films on silicon. <i>APL Materials</i> , 2018, 6, . | 2.2 | 82 |
| 106 | Elastic mismatch induced reduction of the thermal conductivity of silicon with aluminum nano-inclusions. <i>Applied Physics Letters</i> , 2018, 112, . | 1.5 | 1 |
| 107 | Plasma-surface interactions in atmospheric pressure plasmas: <i>in situ</i> measurements of electron heating in materials. <i>Journal of Applied Physics</i> , 2018, 124, . | 1.1 | 11 |
| 108 | Giant reduction and tunability of the thermal conductivity of carbon nanotubes through low-frequency resonant modes. <i>Physical Review B</i> , 2018, 98, . | 1.1 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 109 | Voltage-Controlled Bistable Thermal Conductivity in Suspended Ferroelectric Thin-Film Membranes. ACS Applied Materials & Interfaces, 2018, 10, 25493-25501. | 4.0 | 39 |
| 110 | Tunable thermal transport and reversible thermal conductivity switching in topologically networked bio-inspired materials. Nature Nanotechnology, 2018, 13, 959-964. | 15.6 | 81 |
| 111 | Localization of vibrational modes leads to reduced thermal conductivity of amorphous heterostructures. Physical Review Materials, 2018, 2, . | 0.9 | 22 |
| 112 | Phonon scattering effects from point and extended defects on thermal conductivity studied via ion irradiation of crystals with self-impurities. Physical Review Materials, 2018, 2, . | 0.9 | 22 |
| 113 | Impact of intrinsic point defect concentration on thermal transport in titanium dioxide. Acta Materialia, 2017, 127, 491-497. | 3.8 | 15 |
| 114 | Ultrafast laser-probing spectroscopy for studying molecular structure of protein aggregates. Analyst, The, 2017, 142, 1434-1441. | 1.7 | 7 |
| 115 | Upper limit to the thermal penetration depth during modulated heating of multilayer thin films with pulsed and continuous wave lasers: A numerical study. Journal of Applied Physics, 2017, 121, 175107. | 1.1 | 55 |
| 116 | Spectral Contributions to the Thermal Conductivity of C ₆₀ and the Fullerene Derivative PCBM. Journal of Physical Chemistry Letters, 2017, 8, 2153-2157. | 2.1 | 23 |
| 117 | Phonon scattering mechanisms dictating the thermal conductivity of lead zirconate titanate (PbZr _{1-x} Ti _x O ₃) thin films across the compositional phase diagram. Journal of Applied Physics, 2017, 121, . | 1.1 | 13 |
| 118 | On the minimum limit to thermal conductivity of multi-atom component crystalline solid solutions based on impurity mass scattering. Scripta Materialia, 2017, 138, 134-138. | 2.6 | 46 |
| 119 | Strongly reduced thermal conductivity in hybrid ZnO/nanocellulose thin films. Journal of Materials Science, 2017, 52, 6093-6099. | 1.7 | 19 |
| 120 | Carbon-Enriched Amorphous Hydrogenated Boron Carbide Films for Very-Low Interlayer Dielectrics. Advanced Electronic Materials, 2017, 3, 1700116. | 2.6 | 12 |
| 121 | Hafnium nitride films for thermorefectance transducers at high temperatures: Potential based on heating from laser absorption. Applied Physics Letters, 2017, 111, . | 1.5 | 14 |
| 122 | Role of interfacial mode coupling of optical phonons on thermal boundary conductance. Scientific Reports, 2017, 7, 11011. | 1.6 | 13 |
| 123 | Energy confinement and thermal boundary conductance effects on short-pulsed thermal ablation thresholds in thin films. Physical Review B, 2017, 96, . | 1.1 | 9 |
| 124 | High Conductivity and Electron-Transfer Validation in an n-Type Fluoride-Anion-Doped Polymer for Thermoelectrics in Air. Advanced Materials, 2017, 29, 1606928. | 11.1 | 144 |
| 125 | Temperature Dependence of Electron-Phonon Interactions in Gold Films Rationalized by Time-Domain Ab Initio Analysis. Journal of Physical Chemistry C, 2017, 121, 17488-17497. | 1.5 | 21 |
| 126 | Modification of the Poly(bisdodecylquaterthiophene) Structure for High and Predominantly Nonionic Conductivity with Matched Dopants. Journal of the American Chemical Society, 2017, 139, 11149-11157. | 6.6 | 81 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Thermal Analysis of High-Power Flip-Chip-Bonded Photodiodes. <i>Journal of Lightwave Technology</i> , 2017, 35, 4242-4246. | 2.7 | 16 |
| 128 | Ballistic transport of long wavelength phonons and thermal conductivity accumulation in nanograined silicon-germanium alloys. <i>Applied Physics Letters</i> , 2017, 111, . | 1.5 | 14 |
| 129 | Reviewâ€”Investigation and Review of the Thermal, Mechanical, Electrical, Optical, and Structural Properties of Atomic Layer Deposited High- <i>k</i> Dielectrics: Beryllium Oxide, Aluminum Oxide, Hafnium Oxide, and Aluminum Nitride. <i>ECS Journal of Solid State Science and Technology</i> , 2017, 6, N189-N208. | 0.9 | 81 |
| 130 | Strong Influence of Ti Adhesion Layer on Electronâ€”Phonon Relaxation in Thin Gold Films: Ab Initio Nonadiabatic Molecular Dynamics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43343-43351. | 4.0 | 25 |
| 131 | Localized thin film damage sourced and monitored via pump-probe modulated thermorefectance. <i>Review of Scientific Instruments</i> , 2017, 88, 054903. | 0.6 | 4 |
| 132 | Pronounced low-frequency vibrational thermal transport in C_{60} fullerite realized through pressure-dependent molecular dynamics simulations. <i>Physical Review B</i> , 2017, 96, . | 1.1 | 15 |
| 133 | Thermal investigation of high-power photodiodes. , 2017, , . | | 0 |
| 134 | Conquering the Low- <i>k</i> Death Curve: Insulating Boron Carbide Dielectrics with Superior Mechanical Properties. <i>Advanced Electronic Materials</i> , 2016, 2, 1600073. | 2.6 | 19 |
| 135 | Influence of chemical ordering on the thermal conductivity and electronic relaxation in FePt thin films in heat assisted magnetic recording applications. <i>Scientific Reports</i> , 2016, 6, 32077. | 1.6 | 16 |
| 136 | Breaking network connectivity leads to ultralow thermal conductivities in fully dense amorphous solids. <i>Applied Physics Letters</i> , 2016, 109, . | 1.5 | 16 |
| 137 | Observing Misfit Dislocation Interactions Across Thin Film Oxide Heterostructures. <i>Microscopy and Microanalysis</i> , 2016, 22, 1506-1507. | 0.2 | 0 |
| 138 | Effect of crystalline/amorphous interfaces on thermal transport across confined thin films and superlattices. <i>Journal of Applied Physics</i> , 2016, 119, . | 1.1 | 42 |
| 139 | Analytical model for thermal boundary conductance and equilibrium thermal accommodation coefficient at solid/gas interfaces. <i>Journal of Chemical Physics</i> , 2016, 144, 084705. | 1.2 | 20 |
| 140 | Size dictated thermal conductivity of GaN. <i>Journal of Applied Physics</i> , 2016, 120, . | 1.1 | 77 |
| 141 | Thermal conductivity measurements of non-metals via combined time- and frequency-domain thermorefectance without a metal film transducer. <i>Review of Scientific Instruments</i> , 2016, 87, 094902. | 0.6 | 41 |
| 142 | Interplay between mass-impurity and vacancy phonon scattering effects on the thermal conductivity of doped cadmium oxide. <i>Applied Physics Letters</i> , 2016, 108, 021901. | 1.5 | 19 |
| 143 | Tunable thermal conductivity via domain structure engineering in ferroelectric thin films: A phase-field simulation. <i>Acta Materialia</i> , 2016, 111, 220-231. | 3.8 | 40 |
| 144 | Crystalline coherence length effects on the thermal conductivity of MgO thin films. <i>Journal of Materials Science</i> , 2016, 51, 10408-10417. | 1.7 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 145 | Using Laser-Induced Thermal Voxels to Pattern Diverse Materials at the Solid-Liquid Interface. ACS Applied Materials & Interfaces, 2016, 8, 21134-21139. | 4.0 | 25 |
| 146 | Metal-organic frameworks for thermoelectric energy-conversion applications. MRS Bulletin, 2016, 41, 877-882. | 1.7 | 26 |
| 147 | Reduction in thermal conductivity and tunable heat capacity of inorganic/organic hybrid superlattices. Physical Review B, 2016, 93, . | 1.1 | 29 |
| 148 | Heat-transport mechanisms in molecular building blocks of inorganic/organic hybrid superlattices. Physical Review B, 2016, 93, . | 1.1 | 40 |
| 149 | Size effects on the thermal conductivity of amorphous silicon thin films. Physical Review B, 2016, 93, . | 1.1 | 95 |
| 150 | Implications of Interfacial Bond Strength on the Spectral Contributions to Thermal Boundary Conductance across Solid, Liquid, and Gas Interfaces: A Molecular Dynamics Study. Journal of Physical Chemistry C, 2016, 120, 24847-24856. | 1.5 | 41 |
| 151 | Goniometry Versus Profilometry Studies of Contact Angle for PEDOT:PSS Deposited Onto Silicon and Fused Silica Substrates. MRS Advances, 2016, 1, 471-475. | 0.5 | 0 |
| 152 | Thermal conductivity measurements via time-domain thermoreflectance for the characterization of radiation induced damage. Journal of Materials Research, 2015, 30, 1403-1412. | 1.2 | 47 |
| 153 | Role of crystal structure and junction morphology on interface thermal conductance. Physical Review B, 2015, 92, . | 1.1 | 27 |
| 154 | Transient thermal and nonthermal electron and phonon relaxation after short-pulsed laser heating of metals. Journal of Applied Physics, 2015, 118, . | 1.1 | 28 |
| 155 | Kapitza resistance and the thermal conductivity of amorphous superlattices. Journal of Applied Physics, 2015, 118, . | 1.1 | 50 |
| 156 | Dysprosium-doped cadmium oxide as a gateway material for mid-infrared plasmonics. Nature Materials, 2015, 14, 414-420. | 13.3 | 216 |
| 157 | Thermal boundary conductance accumulation and interfacial phonon transmission: Measurements and theory. Physical Review B, 2015, 91, . | 1.1 | 74 |
| 158 | Room-Temperature Voltage Tunable Phonon Thermal Conductivity via Reconfigurable Interfaces in Ferroelectric Thin Films. Nano Letters, 2015, 15, 1791-1795. | 4.5 | 116 |
| 159 | Modifying Surface Energy of Graphene via Plasma-Based Chemical Functionalization to Tune Thermal and Electrical Transport at Metal Interfaces. Nano Letters, 2015, 15, 4876-4882. | 4.5 | 68 |
| 160 | Experimental evidence of excited electron number density and temperature effects on electron-phonon coupling in gold films. Journal of Applied Physics, 2015, 117, . | 1.1 | 41 |
| 161 | Thin Film Thermoelectric Metal-Organic Framework with High Seebeck Coefficient and Low Thermal Conductivity. Advanced Materials, 2015, 27, 3453-3459. | 11.1 | 227 |
| 162 | Ultra-low thermal conductivity in TiO ₂ :C superlattices. Journal of Materials Chemistry A, 2015, 3, 11527-11532. | 5.2 | 33 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 163 | Thermal flux limited electron Kapitza conductance in copper-niobium multilayers. Applied Physics Letters, 2015, 106, . | 1.5 | 21 |
| 164 | Mechanisms of nonequilibrium electron-phonon coupling and thermal conductance at interfaces. Journal of Applied Physics, 2015, 117, . | 1.1 | 71 |
| 165 | Size effects in the thermal conductivity of gallium oxide (Ga_2O_3) films grown via open-atmosphere annealing of gallium nitride. Journal of Applied Physics, 2015, 117, . | 1.1 | 43 |
| 166 | Thermal Conductance across Phosphonic Acid Molecules and Interfaces: Ballistic versus Diffusive Vibrational Transport in Molecular Monolayers. Journal of Physical Chemistry C, 2015, 119, 20931-20939. | 1.5 | 24 |
| 167 | Hydrogenated nanocrystalline silicon thin films with promising thermoelectric properties. Applied Physics A: Materials Science and Processing, 2015, 120, 1497-1502. | 1.1 | 11 |
| 168 | Glass-Like Thermal Conductivity of (010)-Textured Lanthanum-Doped Strontium Niobate Synthesized with Wet Chemical Deposition. Journal of the American Ceramic Society, 2015, 98, 624-628. | 1.9 | 4 |
| 169 | Influence of Postdeposition Cooling Atmosphere on Thermoelectric Properties of 2% Al-Doped ZnO Thin Films Grown by Pulsed Laser Deposition. Journal of Electronic Materials, 2015, 44, 1547-1553. | 1.0 | 12 |
| 170 | Thermal boundary conductance across metal-gallium nitride interfaces from 80 to 450 K. Applied Physics Letters, 2014, 105, . | 1.5 | 46 |
| 171 | Density dependence of the room temperature thermal conductivity of atomic layer deposition-grown amorphous alumina (Al_2O_3). Applied Physics Letters, 2014, 104, . | 1.5 | 62 |
| 172 | Analytical model for the effects of wetting on thermal boundary conductance across solid/classical liquid interfaces. Journal of Chemical Physics, 2014, 140, . | 1.2 | 47 |
| 173 | Ion irradiation of the native oxide/silicon surface increases the thermal boundary conductance across aluminum/silicon interfaces. Physical Review B, 2014, 90, . | 1.1 | 53 |
| 174 | Spectral analysis of thermal boundary conductance across solid/classical liquid interfaces: A molecular dynamics study. Applied Physics Letters, 2014, 105, . | 1.5 | 39 |
| 175 | Influence of Hot Electron Scattering and Electron-Phonon Interactions on Thermal Boundary Conductance at Metal/Nonmetal Interfaces. Journal of Heat Transfer, 2014, 136, . | 1.2 | 21 |
| 176 | Crossover from incoherent to coherent phonon scattering in epitaxial oxide superlattices. Nature Materials, 2014, 13, 168-172. | 13.3 | 399 |
| 177 | Spectral phonon scattering effects on the thermal conductivity of nano-grained barium titanate. Applied Physics Letters, 2014, 105, 082907. | 1.5 | 30 |
| 178 | Efficiently suppressed thermal conductivity in ZnO thin films via periodic introduction of organic layers. Journal of Materials Chemistry A, 2014, 2, 12150-12152. | 5.2 | 66 |
| 179 | Protein Thermal Conductivity Measured in the Solid State Reveals Anharmonic Interactions of Vibrations in a Fractal Structure. Journal of Physical Chemistry Letters, 2014, 5, 1077-1082. | 2.1 | 34 |
| 180 | Extreme tunability in aluminum doped Zinc Oxide plasmonic materials for near-infrared applications. Scientific Reports, 2014, 4, 6415. | 1.6 | 93 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Thermal transport in organic semiconducting polymers. Applied Physics Letters, 2013, 102, 251912. | 1.5 | 74 |
| 182 | Influence of interfacial properties on thermal transport at gold:silicon contacts. Applied Physics Letters, 2013, 102, . | 1.5 | 69 |
| 183 | Relationship of thermal boundary conductance to structure from an analytical model plus molecular dynamics simulations. Physical Review B, 2013, 87, . | 1.1 | 71 |
| 184 | Effects of coherent ferroelastic domain walls on the thermal conductivity and Kapitza conductance in bismuth ferrite. Applied Physics Letters, 2013, 102, . | 1.5 | 53 |
| 185 | Molecular dynamics studies of material property effects on thermal boundary conductance. Physical Chemistry Chemical Physics, 2013, 15, 11078. | 1.3 | 40 |
| 186 | Exceptionally Low Thermal Conductivities of Films of the Fullerene Derivative PCBM. Physical Review Letters, 2013, 110, 015902. | 2.9 | 79 |
| 187 | Balanced InP/InGaAs Photodiodes With 1.5-W Output Power. IEEE Photonics Journal, 2013, 5, 6800307-6800307. | 1.0 | 14 |
| 188 | Thermal Transport across Solid Interfaces with Nanoscale Imperfections: Effects of Roughness, Disorder, Dislocations, and Bonding on Thermal Boundary Conductance. ISRN Mechanical Engineering, 2013, 2013, 1-19. | 0.9 | 212 |
| 189 | Effect of interface adhesion and impurity mass on phonon transport at atomic junctions. Journal of Applied Physics, 2013, 113, . | 1.1 | 36 |
| 190 | Ultrafast and steady-state laser heating effects on electron relaxation and phonon coupling mechanisms in thin gold films. Applied Physics Letters, 2013, 103, . | 1.5 | 34 |
| 191 | Investigation of size and electronic effects on Kapitza conductance with non-equilibrium molecular dynamics. Applied Physics Letters, 2013, 102, . | 1.5 | 59 |
| 192 | Impedance Matching of Atomic Thermal Interfaces Using Primitive Block Decomposition. Nanoscale and Microscale Thermophysical Engineering, 2013, 17, 263-279. | 1.4 | 18 |
| 193 | Thermal conductivity of nano-grained SrTiO ₃ thin films. Applied Physics Letters, 2012, 101, . | 1.5 | 50 |
| 194 | Enhanced room temperature electronic and thermoelectric properties of the dilute bismuthide InGaBiAs. Journal of Applied Physics, 2012, 112, . | 1.1 | 31 |
| 195 | Contributions of electron and phonon transport to the thermal conductivity of GdFeCo and TbFeCo amorphous rare-earth transition-metal alloys. Journal of Applied Physics, 2012, 111, . | 1.1 | 11 |
| 196 | Systematically controlling Kapitza conductance via chemical etching. Applied Physics Letters, 2012, 100, . | 1.5 | 78 |
| 197 | Addendum: Reduction in thermal boundary conductance due to proton implantation in silicon and sapphire [Appl. Phys. Lett. 98, 231901 (2011)]. Applied Physics Letters, 2012, 101, 099903. | 1.5 | 6 |
| 198 | Bidirectionally tuning Kapitza conductance through the inclusion of substitutional impurities. Journal of Applied Physics, 2012, 112, 073519. | 1.1 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | Influence of crystallographic orientation and anisotropy on Kapitza conductance via classical molecular dynamics simulations. <i>Journal of Applied Physics</i> , 2012, 112, 093515. | 1.1 | 21 |
| 200 | Prediction and Measurement of Thermal Transport Across Interfaces Between Isotropic Solids and Graphitic Materials. <i>Journal of Heat Transfer</i> , 2012, 134, . | 1.2 | 28 |
| 201 | Strategies for tuning phonon transport in multilayered structures using a mismatch-based particle model. <i>Journal of Applied Physics</i> , 2012, 111, . | 1.1 | 14 |
| 202 | Experimental Investigation of Size Effects on the Thermal Conductivity of Silicon-Germanium Alloy Thin Films. <i>Physical Review Letters</i> , 2012, 109, 195901. | 2.9 | 138 |
| 203 | Manipulating Thermal Conductance at Metal-Graphene Contacts via Chemical Functionalization. <i>Nano Letters</i> , 2012, 12, 590-595. | 4.5 | 240 |
| 204 | Minimum thermal conductivity considerations in aerogel thin films. <i>Journal of Applied Physics</i> , 2012, 111, . | 1.1 | 46 |
| 205 | Ultra-low thermal conductivity of ellipsoidal TiO ₂ nanoparticle films. <i>Applied Physics Letters</i> , 2011, 99, . | 1.5 | 23 |
| 206 | On the Linear Temperature Dependence of Phonon Thermal Boundary Conductance in the Classical Limit. <i>Journal of Heat Transfer</i> , 2011, 133, . | 1.2 | 28 |
| 207 | Boundary scattering effects during electron thermalization in nanoporous gold. <i>Journal of Applied Physics</i> , 2011, 109, 013524. | 1.1 | 11 |
| 208 | Influence of anisotropy on thermal boundary conductance at solid interfaces. <i>Physical Review B</i> , 2011, 84, . | 1.1 | 53 |
| 209 | Implications of cross-species interactions on the temperature dependence of Kapitza conductance. <i>Physical Review B</i> , 2011, 84, . | 1.1 | 62 |
| 210 | Controlling thermal conductance through quantum dot roughening at interfaces. <i>Physical Review B</i> , 2011, 84, . | 1.1 | 98 |
| 211 | Effect of dislocation density on thermal boundary conductance across GaSb/GaAs interfaces. <i>Applied Physics Letters</i> , 2011, 98, . | 1.5 | 73 |
| 212 | Reduction in thermal boundary conductance due to proton implantation in silicon and sapphire. <i>Applied Physics Letters</i> , 2011, 98, 231901. | 1.5 | 25 |
| 213 | Re-examining Electron-Fermi Relaxation in Gold Films With a Nonlinear Thermoreflectance Model. <i>Journal of Heat Transfer</i> , 2011, 133, . | 1.2 | 21 |
| 214 | Measuring the Thermal Conductivity of Porous, Transparent SiO ₂ Films With Time Domain Thermoreflectance. <i>Journal of Heat Transfer</i> , 2011, 133, . | 1.2 | 48 |
| 215 | Anharmonic Phonon Interactions at Interfaces and Contributions to Thermal Boundary Conductance. <i>Journal of Heat Transfer</i> , 2011, 133, . | 1.2 | 109 |
| 216 | Assessment and prediction of thermal transport at solid-self-assembled monolayer junctions. <i>Journal of Chemical Physics</i> , 2011, 134, 094704. | 1.2 | 23 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | Effects of subconduction band excitations on thermal conductance at metal-metal interfaces. Applied Physics Letters, 2010, 96, . | 1.5 | 14 |
| 218 | Comparison of Thermal Conductivity and Thermal Boundary Conductance Sensitivities in Continuous-Wave and Ultrashort-Pulsed Thermoreflectance Analyses. International Journal of Thermophysics, 2010, 31, 2380-2393. | 1.0 | 7 |
| 219 | Inelastic phonon interactions at solid-graphite interfaces. Superlattices and Microstructures, 2010, 47, 550-555. | 1.4 | 46 |
| 220 | On the Assumption of Detailed Balance in Prediction of Diffusive Transmission Probability During Interfacial Transport. Nanoscale and Microscale Thermophysical Engineering, 2010, 14, 21-33. | 1.4 | 50 |
| 221 | Thermoreflectance dependence on Fermi surface electron number density perturbations. Applied Physics Letters, 2010, 96, . | 1.5 | 10 |
| 222 | Role of dispersion on phononic thermal boundary conductance. Journal of Applied Physics, 2010, 108, . | 1.1 | 76 |
| 223 | Influence of electron-boundary scattering on thermoreflectance calculations after intra- and interband transitions induced by short-pulsed laser absorption. Physical Review B, 2010, 81, . | 1.1 | 21 |
| 224 | Contribution of optical phonons to thermal boundary conductance. Applied Physics Letters, 2010, 97, . | 1.5 | 34 |
| 225 | Effects of surface roughness and oxide layer on the thermal boundary conductance at aluminum/silicon interfaces. Physical Review B, 2010, 82, . | 1.1 | 154 |
| 226 | Criteria for Cross-Plane Dominated Thermal Transport in Multilayer Thin Film Systems During Modulated Laser Heating. Journal of Heat Transfer, 2010, 132, . | 1.2 | 160 |
| 227 | Extension of the diffuse mismatch model for thermal boundary conductance between isotropic and anisotropic materials. Applied Physics Letters, 2009, 95, . | 1.5 | 81 |
| 228 | Lower limit to phonon thermal conductivity of disordered, layered solids. Applied Physics Letters, 2009, 94, . | 1.5 | 22 |
| 229 | Effects of electron-boundary scattering on changes in thermoreflectance in thin metal films undergoing intraband excitations. Journal of Applied Physics, 2009, 105, . | 1.1 | 29 |
| 230 | Extracting phonon thermal conductance across atomic junctions: Nonequilibrium Green's function approach compared to semiclassical methods. Journal of Applied Physics, 2009, 106, . | 1.1 | 62 |
| 231 | Origin of reduction in phonon thermal conductivity of microporous solids. Applied Physics Letters, 2009, 95, . | 1.5 | 64 |
| 232 | Relative Contributions of Inelastic and Elastic Diffuse Phonon Scattering to Thermal Boundary Conductance Across Solid Interfaces. Journal of Heat Transfer, 2009, 131, . | 1.2 | 64 |
| 233 | Contribution of Ballistic Electron Transport to Energy Transfer During Electron-Phonon Nonequilibrium in Thin Metal Films. Journal of Heat Transfer, 2009, 131, . | 1.2 | 23 |
| 234 | Predictions of thermal boundary conductance for systems of disordered solids and interfaces. Journal of Applied Physics, 2009, 106, . | 1.1 | 42 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 235 | Effects of electron scattering at metal-nonmetal interfaces on electron-phonon equilibration in gold films. <i>Journal of Applied Physics</i> , 2009, 105, . | 1.1 | 115 |
| 236 | Multiple phonon processes contributing to inelastic scattering during thermal boundary conductance at solid interfaces. <i>Journal of Applied Physics</i> , 2009, 106, . | 1.1 | 103 |
| 237 | Examining Interfacial Diffuse Phonon Scattering Through Transient Thermoreflectance Measurements of Thermal Boundary Conductance. <i>Journal of Heat Transfer</i> , 2009, 131, . | 1.2 | 65 |
| 238 | Phonon Contribution to Thermal Boundary Conductance at Metal Interfaces Using Embedded Atom Method Simulations. <i>International Journal of Thermophysics</i> , 2008, 29, 1987-1996. | 1.0 | 12 |
| 239 | Effects of Intra- and Interband Transitions on Electron-Phonon Coupling and Electron Heat Capacity After Short-Pulsed Laser Heating. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2008, 12, 320-333. | 1.4 | 24 |
| 240 | Influence of Inelastic Scattering at Metal-Dielectric Interfaces. <i>Journal of Heat Transfer</i> , 2008, 130, . | 1.2 | 97 |
| 241 | Influence of Interfacial Mixing on Thermal Boundary Conductance Across a Chromium/Silicon Interface. <i>Journal of Heat Transfer</i> , 2008, 130, . | 1.2 | 116 |
| 242 | Thermal Conductivity in Nanoporous Gold Films during Electron-Phonon Nonequilibrium. <i>Journal of Nanomaterials</i> , 2008, 2008, 1-7. | 1.5 | 40 |
| 243 | Effects of Joint Vibrational States on Thermal Boundary Conductance. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2007, 11, 247-257. | 1.4 | 54 |
| 244 | Role of interface disorder on thermal boundary conductance using a virtual crystal approach. <i>Applied Physics Letters</i> , 2007, 90, 054104. | 1.5 | 84 |
| 245 | Influence of interband transitions on electron-phonon coupling measurements in Ni films. <i>Applied Optics</i> , 2007, 46, 2076. | 2.1 | 30 |
| 246 | Temperature-Dependent Thermal Boundary Conductance at Al/Al ₂ O ₃ and Pt/Al ₂ O ₃ interfaces. <i>International Journal of Thermophysics</i> , 2007, 28, 947-957. | 1.0 | 41 |
| 247 | Substrate influence in electron-phonon coupling measurements in thin Au films. <i>Applied Surface Science</i> , 2007, 253, 6289-6294. | 3.1 | 93 |
| 248 | Thermal boundary conductance response to a change in Cr-Si interfacial properties. <i>Applied Physics Letters</i> , 2006, 89, 131909. | 1.5 | 34 |
| 249 | Thin Film Non-Noble Transition Metal Thermophysical Properties. <i>Microscale Thermophysical Engineering</i> , 2005, 9, 365-377. | 1.2 | 62 |