

Aaron J Schmidt

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,945
citations

394421

19
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

3103
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh thermal conductivity in isotope-enriched cubic boron nitride. <i>Science</i> , 2020, 367, 555-559.	12.6	177
2	Accurate measurement of in-plane thermal conductivity of layered materials without metal film transducer using frequency domain thermorefectance. <i>Review of Scientific Instruments</i> , 2020, 91, 064903.	1.3	29
3	Enhanced thermal transport across monolayer MoS ₂ . <i>Nano Research</i> , 2018, 11, 2173-2180.	10.4	15
4	A technique to measure the thermal resistance at the interface between a micron size particle and its matrix in composite materials. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	1
5	Unusual high thermal conductivity in boron arsenide bulk crystals. <i>Science</i> , 2018, 361, 582-585.	12.6	300
6	Frequency domain thermorefectance technique for measuring the thermal conductivity of individual micro-particles. <i>Review of Scientific Instruments</i> , 2018, 89, 074901.	1.3	7
7	Thickness dependent thermal conductivity of gallium nitride. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	67
8	Development of conductive fusion technology : Advanced die attach materials for high power applications. , 2017, , .		1
9	Development of Conductive Fusion Technology Advanced Die Attach Materials for High Power Applications. <i>Additional Conferences (Device Packaging HiTEC HITEN & CICMT)</i> , 2017, 2017, 000094-000098.	0.2	0
10	Modeling optical absorption for thermorefectance measurements. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	23
11	Uncertainty analysis of thermorefectance measurements. <i>Review of Scientific Instruments</i> , 2016, 87, 014901.	1.3	90
12	Thermal wave imaging of microelectronics. <i>Journal of Heat Transfer</i> , 2016, 138, .	2.1	1
13	Thermal transport through GaN/SiC interfaces from 300 to 600 K. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	60
14	Thermal conductance of nanoscale Langmuir-Blodgett films. <i>Applied Physics Letters</i> , 2015, 107, 221603.	3.3	7
15	Thermal Property Imaging of Aluminum Nitride Composites. <i>Journal of Heat Transfer</i> , 2015, 137, .	2.1	1
16	Imaging Thermal Transport in Graphene. <i>Journal of Heat Transfer</i> , 2015, 137, .	2.1	0
17	Thermal conductance imaging of graphene contacts. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	69
18	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.	2.6	11

#	ARTICLE	IF	CITATIONS
19	Measurement of carbon nanotube microstructure relative density by optical attenuation and observation of size-dependent variations. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11511.	2.8	15
20	Simultaneous measurement of thermal conductivity and heat capacity of bulk and thin film materials using frequency-dependent transient thermoreflectance method. <i>Review of Scientific Instruments</i> , 2013, 84, 034902.	1.3	120
21	Thermal property microscopy with frequency domain thermoreflectance. <i>Review of Scientific Instruments</i> , 2013, 84, 104904.	1.3	95
22	PUMP-PROBE THERMOREFLECTANCE. <i>Annual Review of Heat Transfer</i> , 2013, 16, 159-181.	1.0	53
23	Coherent Phonon Heat Conduction in Superlattices. <i>Science</i> , 2012, 338, 936-939.	12.6	489
24	Thermal conductance and phonon transmissivity of metal-graphite interfaces. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	174
25	Characterization of thin metal films via frequency-domain thermoreflectance. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	99
26	A frequency-domain thermoreflectance method for the characterization of thermal properties. <i>Review of Scientific Instruments</i> , 2009, 80, 094901.	1.3	323
27	An optical pump-probe technique for measuring the thermal conductivity of liquids. <i>Review of Scientific Instruments</i> , 2008, 79, 064902.	1.3	147
28	Pulse accumulation, radial heat conduction, and anisotropic thermal conductivity in pump-probe transient thermoreflectance. <i>Review of Scientific Instruments</i> , 2008, 79, 114902.	1.3	496
29	Experimental investigation of nanofluid shear and longitudinal viscosities. <i>Applied Physics Letters</i> , 2008, 92, 244107.	3.3	52
30	Thermal conductivity of nanoparticle suspensions in insulating media measured with a transient optical grating and a hotwire. <i>Journal of Applied Physics</i> , 2008, 103, 083529.	2.5	23