

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	Pulse accumulation, radial heat conduction, and anisotropic thermal conductivity in pump-probe transient thermoreflectance. Review of Scientific Instruments, 2008, 79, 114902.	1.3	496
2	Coherent Phonon Heat Conduction in Superlattices. Science, 2012, 338, 936-939.	12.6	489
3	A frequency-domain thermoreflectance method for the characterization of thermal properties. Review of Scientific Instruments, 2009, 80, 094901.	1.3	323
4	Unusual high thermal conductivity in boron arsenide bulk crystals. Science, 2018, 361, 582-585.	12.6	300
5	Ultrahigh thermal conductivity in isotope-enriched cubic boron nitride. Science, 2020, 367, 555-559.	12.6	177
6	Thermal conductance and phonon transmissivity of metal-graphite interfaces. Journal of Applied Physics, 2010, 107, .	2.5	174
7	An optical pump-probe technique for measuring the thermal conductivity of liquids. Review of Scientific Instruments, 2008, 79, 064902.	1.3	147
8	Simultaneous measurement of thermal conductivity and heat capacity of bulk and thin film materials using frequency-dependent transient thermoreflectance method. Review of Scientific Instruments, 2013, 84, 034902.	1.3	120
9	Characterization of thin metal films via frequency-domain thermoreflectance. Journal of Applied Physics, 2010, 107, .	2.5	99
10	Thermal property microscopy with frequency domain thermoreflectance. Review of Scientific Instruments, 2013, 84, 104904.	1.3	95
11	Uncertainty analysis of thermoreflectance measurements. Review of Scientific Instruments, 2016, 87, 014901.	1.3	90
12	Thermal conductance imaging of graphene contacts. Journal of Applied Physics, 2014, 116, .	2.5	69
13	Thickness dependent thermal conductivity of gallium nitride. Applied Physics Letters, 2017, 110, .	3.3	67
14	Thermal transport through GaN-SiC interfaces from 300 to 600 K. Applied Physics Letters, 2015, 107, .	3.3	60
15	PUMP-PROBE THERMOREFLECTANCE. Annual Review of Heat Transfer, 2013, 16, 159-181.	1.0	53
16	Experimental investigation of nanofluid shear and longitudinal viscosities. Applied Physics Letters, 2008, 92, 244107.	3.3	52
17	Accurate measurement of in-plane thermal conductivity of layered materials without metal film transducer using frequency domain thermoreflectance. Review of Scientific Instruments, 2020, 91, 064903.	1.3	29
18	Thermal conductivity of nanoparticle suspensions in insulating media measured with a transient optical grating and a hotwire. Journal of Applied Physics, 2008, 103, 083529.	2.5	23

#	ARTICLE	IF	CITATIONS
19	Modeling optical absorption for thermoreflectance measurements. Journal of Applied Physics, 2016, 119, .	2.5	23
20	Measurement of carbon nanotube microstructure relative density by optical attenuation and observation of size-dependent variations. Physical Chemistry Chemical Physics, 2013, 15, 11511.	2.8	15
21	Enhanced thermal transport across monolayer MoS2. Nano Research, 2018, 11, 2173-2180.	10.4	15
22	Micro- and Nanoscale Measurement Methods for Phase Change Heat Transfer on Planar and Structured Surfaces. Nanoscale and Microscale Thermophysical Engineering, 2014, 18, 270-287.	2.6	11
23	Thermal conductance of nanoscale Langmuir-Blodgett films. Applied Physics Letters, 2015, 107, 221603.	3.3	7
24	Frequency domain thermoreflectance technique for measuring the thermal conductivity of individual micro-particles. Review of Scientific Instruments, 2018, 89, 074901.	1.3	7
25	Thermal Property Imaging of Aluminum Nitride Composites. Journal of Heat Transfer, 2015, 137, .	2.1	1
26	Thermal wave imaging of microelectronics. Journal of Heat Transfer, 2016, 138, .	2.1	1
27	Development of conductive fusion technology : Advanced die attach materials for high power applications. , 2017, , .		1
28	A technique to measure the thermal resistance at the interface between a micron size particle and its matrix in composite materials. Journal of Applied Physics, 2018, 124, .	2.5	1
29	Imaging Thermal Transport in Graphene. Journal of Heat Transfer, 2015, 137, .	2.1	0
30	Development of Conductive Fusion Technology Advanced Die Attach Materials for High Power Applications. Additional Conferences (Device Packaging HiTEC HiTEN & CICMT), 2017, 2017, 000094-000098.	0.2	0