

Puqing Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

945
citations

858243

12
h-index

939365

18
g-index

18
all docs

18
docs citations

18
times ranked

1654
citing authors

#	ARTICLE	IF	CITATIONS
1	A new spatial-domain thermoreflectance method to measure a broad range of anisotropic in-plane thermal conductivity. International Journal of Heat and Mass Transfer, 2022, 191, 122849.	2.5	8
2	Machine learning-based data processing technique for time-domain thermoreflectance (TDTR) measurements. Journal of Applied Physics, 2021, 130, .	1.1	10
3	Electrostatic interaction determines thermal conductivity anisotropy of Bi2O2Se. Cell Reports Physical Science, 2021, 2, 100624.	2.8	8
4	Transient and steady-state temperature rise in three-dimensional anisotropic layered structures in pump-probe thermoreflectance experiments. Journal Physics D: Applied Physics, 2021, 54, 035304.	1.3	1
5	High temperature thermal management with boron nitride nanosheets. Nanoscale, 2018, 10, 167-173.	2.8	48
6	A new elliptical-beam method based on time-domain thermoreflectance (TDTR) to measure the in-plane anisotropic thermal conductivity and its comparison with the beam-offset method. Review of Scientific Instruments, 2018, 89, 094902.	0.6	30
7	Tutorial: Time-domain thermoreflectance (TDTR) for thermal property characterization of bulk and thin film materials. Journal of Applied Physics, 2018, 124, .	1.1	197
8	Three-dimensional anisotropic thermal conductivity tensor of single crystalline $\hat{1}^2$ -Ga2O3. Applied Physics Letters, 2018, 113, .	1.5	84
9	Interfacial phonon scattering and transmission loss in $>1 \hat{\mu}\text{m}$ thick silicon-on-insulator thin films. Physical Review B, 2018, 97, .	1.1	15
10	Anisotropic thermal transport in van der Waals layered alloys WSe2(1- x)Te2 x . Applied Physics Letters, 2018, 112, .	1.5	32
11	Anisotropic thermal transport in bulk hexagonal boron nitride. Physical Review Materials, 2018, 2, .	0.9	73
12	Probing Anisotropic Thermal Conductivity of Transition Metal Dichalcogenides MX_2 (M = Tj ETQq0 0 0 rgBT /Overlock 10 T	11.1	163
13	Time-domain thermoreflectance (TDTR) measurements of anisotropic thermal conductivity using a variable spot size approach. Review of Scientific Instruments, 2017, 88, 074901.	0.6	101
14	Anisotropic thermal conductivity of 4H and 6H silicon carbide measured using time-domain thermoreflectance. Materials Today Physics, 2017, 3, 70-75.	2.9	91
15	Role of low-energy phonons with mean-free-paths $>0.8 \hat{\mu}\text{m}$ in heat conduction in silicon. Journal of Applied Physics, 2016, 119, .	1.1	34
16	Accurate measurements of cross-plane thermal conductivity of thin films by dual-frequency time-domain thermoreflectance (TDTR). Review of Scientific Instruments, 2016, 87, 075101.	0.6	42
17	Energy-Efficient Novel Heterogeneous Gaseous T-Junction Microreactor Design Utilizing Inlet Flow Pulsation. Industrial & Engineering Chemistry Research, 2014, 53, 18699-18710.	1.8	7