

Ke Chen

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,099
citations

623734

14
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1543
citing authors

#	ARTICLE	IF	CITATIONS
1	Unusual high thermal conductivity in boron arsenide bulk crystals. Science, 2018, 361, 582-585.	12.6	300
2	Ultrahigh thermal conductivity in isotope-enriched cubic boron nitride. Science, 2020, 367, 555-559.	12.6	177
3	Observation of second sound in graphite at temperatures above 100 K. Science, 2019, 364, 375-379.	12.6	160
4	Thermal Conductivity Enhancement in MoS_2 under Extreme Strain. Physical Review Letters, 2019, 122, 155901.	12.6	160
5	Experimental evidence of exciton capture by mid-gap defects in CVD grown monolayer MoSe ₂ . Npj 2D Materials and Applications, 2017, 1, .	7.9	56
6	Direct observation of large electron-phonon interaction effect on phonon heat transport. Nature Communications, 2020, 11, 6040.	12.8	41
7	Anisotropic Saturable and Excited-State Absorption in Bulk ReS ₂ . Advanced Optical Materials, 2018, 6, 1800137.	7.3	38
8	Carrier Trapping by Oxygen Impurities in Molybdenum Diselenide. ACS Applied Materials & Interfaces, 2018, 10, 1125-1131.	8.0	37
9	Observation of second sound in graphite over 200 K. Nature Communications, 2022, 13, 285.	12.8	36
10	Optical properties of cubic boron arsenide. Applied Physics Letters, 2020, 116, .	3.3	29
11	High-Speed Modulator Based on Electro-Optic Polymer Infiltrated Subwavelength Grating Waveguide Ring Resonator. Laser and Photonics Reviews, 2018, 12, 1700300.	8.7	27
12	Accelerated carrier recombination by grain boundary/edge defects in MBE grown transition metal dichalcogenides. APL Materials, 2018, 6, .	5.1	25
13	Non-destructive measurement of photoexcited carrier transport in graphene with ultrafast grating imaging technique. Carbon, 2016, 107, 233-239.	10.3	18
14	Femtosecond laser-induced crystallization of amorphous Sb ₂ Te ₃ film and coherent phonon spectroscopy characterization and optical injection of electron spins. Journal of Applied Physics, 2011, 110, 053523.	2.5	14
15	Boron isotope effect on the thermal conductivity of boron arsenide single crystals. Materials Today Physics, 2019, 11, 100169.	6.0	14
16	Effect of nucleation sites on the growth and quality of single-crystal boron arsenide. Materials Today Physics, 2019, 11, 100160.	6.0	14
17	A transmission-grating-modulated pump-probe absorption spectroscopy and demonstration of diffusion dynamics of photoexcited carriers in bulk intrinsic GaAs film. Optics Express, 2012, 20, 3580.	3.4	12
18	Transmission-grating-photomasked transient spin grating and its application to measurement of electron-spin ambipolar diffusion in (110) GaAs quantum wells. Optics Express, 2012, 20, 8192.	3.4	10

#	ARTICLE	IF	CITATIONS
19	Measurement of Ambipolar Diffusion Coefficient of Photoexcited Carriers with Ultrafast Reflective Grating-Imaging Technique. ACS Photonics, 2017, 4, 1440-1446.	6.6	10
20	In-plane Thermal Conductivity Measurement with Nanosecond Grating Imaging Technique. Nanoscale and Microscale Thermophysical Engineering, 2018, 22, 83-96.	2.6	3
21	Comparison between Grating Imaging and Transient Grating Techniques on Measuring Carrier Diffusion in Semiconductor. Nanoscale and Microscale Thermophysical Engineering, 2018, 22, 348-359.	2.6	3