

# Hamidreza Zobeiri

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

425  
citations

840119

11  
h-index

713013

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

312  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the thermal conductivities of suspended MoS <sub>2</sub> and MoSe <sub>2</sub> by nanosecond ET-Raman without temperature calibration and laser absorption evaluation. <i>Nanoscale</i> , 2018, 10, 23087-23102.	2.8	51
2	Frequency-domain energy transport state-resolved Raman for measuring the thermal conductivity of suspended nm-thick MoSe <sub>2</sub> . <i>International Journal of Heat and Mass Transfer</i> , 2019, 133, 1074-1085.	2.5	48
3	Graphene Aerogel Based Bolometer for Ultrasensitive Sensing from Ultraviolet to Far-Infrared. <i>ACS Nano</i> , 2019, 13, 5385-5396.	7.3	42
4	Effect of temperature on Raman intensity of nm-thick WS <sub>2</sub> : combined effects of resonance Raman, optical properties, and interface optical interference. <i>Nanoscale</i> , 2020, 12, 6064-6078.	2.8	41
5	Anisotropic thermal conductivities and structure in lignin-based microscale carbon fibers. <i>Carbon</i> , 2019, 147, 58-69.	5.4	37
6	Hot carrier transfer and phonon transport in suspended nm WS <sub>2</sub> films. <i>Acta Materialia</i> , 2019, 175, 222-237.	3.8	34
7	Distinguishing Optical and Acoustic Phonon Temperatures and Their Energy Coupling Factor under Photon Excitation in nm 2D Materials. <i>Advanced Science</i> , 2020, 7, 2000097.	5.6	34
8	Interfacial Thermal Conductance between Monolayer WSe <sub>2</sub> and SiO <sub>2</sub> under Consideration of Radiative Electron-Hole Recombination. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 51069-51081.	4.0	18
9	Polarized Raman of Nanoscale Two-Dimensional Materials: Combined Optical and Structural Effects. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23236-23245.	1.5	16
10	Coherency between thermal and electrical transport of partly reduced graphene paper. <i>Carbon</i> , 2021, 178, 92-102.	5.4	15
11	Direct Characterization of Thermal Nonequilibrium between Optical and Acoustic Phonons in Graphene Paper under Photon Excitation. <i>Advanced Science</i> , 2021, 8, 2004712.	5.6	12
12	Rigorous prediction of Raman intensity from multi-layer films. <i>Optics Express</i> , 2020, 28, 35272.	1.7	11
13	Imaging Anisotropic Waveguide Exciton Polaritons in Tin Sulfide. <i>Nano Letters</i> , 2022, 22, 1497-1503.	4.5	11
14	Interfacial thermal resistance between nm-thick MoS <sub>2</sub> and quartz substrate: A critical revisit under phonon mode-wide thermal non-equilibrium. <i>Nano Energy</i> , 2021, 89, 106364.	8.2	10
15	Photocurrent in carbon nanotube bundle: Graded Seebeck coefficient phenomenon. <i>Nano Energy</i> , 2021, 86, 106054.	8.2	9
16	Energy and Charge Transport in 2D Atomic Layer Materials: Raman-Based Characterization. <i>Nanomaterials</i> , 2020, 10, 1807.	1.9	8
17	The in-plane structure domain size of nm-thick MoSe <sub>2</sub> uncovered by low-momentum phonon scattering. <i>Nanoscale</i> , 2021, 13, 7723-7734.	2.8	7
18	Thermal conductance between water and nm-thick WS <sub>2</sub> : extremely localized probing using nanosecond energy transport state-resolved Raman. <i>Nanoscale Advances</i> , 2020, 2, 5821-5832.	2.2	6

#	ARTICLE	IF	CITATIONS
19	Effect of time and spatial domains on monolayer 2D material interface thermal conductance measurement using ns ET-Raman. International Journal of Heat and Mass Transfer, 2021, 179, 121644.	2.5	5
20	Dual-pulse transient heat conduction in vertically aligned carbon nanotube arrays induced by structure separation. Nano Energy, 2021, 90, 106516.	8.2	5
21	Interface Thermal Resistance between Monolayer WSe <sub>2</sub> and SiO <sub>2</sub> : Raman Probing with Consideration of Optical Acoustic Phonon Nonequilibrium. Advanced Materials Interfaces, 2022, 9, .	1.9	5