

# Feng He

## List of Publications by Year in descending order

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18  
papers

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932766

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docs citations

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times ranked

787  
citing authors

#	ARTICLE	IF	CITATIONS
1	Moiré Patterns in 2D Materials: A Review. ACS Nano, 2021, 15, 5944-5958.	7.3	107
2	Thermal Conductivity Enhancement in $\text{MoS}_2$ under Extreme Strain. Physical Review Letters, 2019, 122, 155901.	2.9	15
3	Experimental evidence of exciton capture by mid-gap defects in CVD grown monolayer MoSe <sub>2</sub> . Npj 2D Materials and Applications, 2017, 1, .	3.9	56
4	Observation of Third-order Nonlinearities in Graphene Oxide Film at Telecommunication Wavelengths. Scientific Reports, 2017, 7, 9646.	1.6	38
5	Carrier Trapping by Oxygen Impurities in Molybdenum Diselenide. ACS Applied Materials & Interfaces, 2018, 10, 1125-1131.	4.0	37
6	A Comprehensive Study of the Sintering of Copper Nanoparticles Using Femtosecond, Nanosecond, and Continuous Wave Lasers. Journal of Micro and Nano-Manufacturing, 2018, 6, .	0.8	27
7	Accelerated carrier recombination by grain boundary/edge defects in MBE grown transition metal dichalcogenides. APL Materials, 2018, 6, .	2.2	25
8	Non-destructive measurement of photoexcited carrier transport in graphene with ultrafast grating imaging technique. Carbon, 2016, 107, 233-239.	5.4	18
9	Carrier dynamics and optical nonlinearity of alloyed CdSeTe quantum dots in glass matrix. Optical Materials Express, 2017, 7, 1547.	1.6	15
10	Measurement of Ambipolar Diffusion Coefficient of Photoexcited Carriers with Ultrafast Reflective Grating-Imaging Technique. ACS Photonics, 2017, 4, 1440-1446.	3.2	10
11	Key Structure-Property Relationships in CO <sub>2</sub> Capture by Supported Alkanolamines. Journal of Physical Chemistry C, 2014, 118, 19252-19258.	1.5	8
12	Reversible ultrafast melting in bulk CdSe. Journal of Applied Physics, 2016, 119, .	1.1	8
13	Phase transition in epitaxial bismuth nanofilms. Applied Physics Letters, 2020, 117, .	1.5	6
14	Direct measurement of coherent thermal phonons in Bi <sub>2</sub> Te <sub>3</sub> /Sb <sub>2</sub> Te <sub>3</sub> superlattice. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	5
15	Quantum confinement of coherent acoustic phonons in transferred single-crystalline bismuth nanofilms. Applied Physics Letters, 2020, 116, .	1.5	4
16	In-plane Thermal Conductivity Measurement with Nanosecond Grating Imaging Technique. Nanoscale and Microscale Thermophysical Engineering, 2018, 22, 83-96.	1.4	3
17	Comparison between Grating Imaging and Transient Grating Techniques on Measuring Carrier Diffusion in Semiconductor. Nanoscale and Microscale Thermophysical Engineering, 2018, 22, 348-359.	1.4	3
18	Giant electron-phonon coupling detected under surface plasmon resonance in Au film. Optics Letters, 2019, 44, 4590.	1.7	3