Gaohua Zhu

List of Publications by Year
in descending order

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12	1,903	933447	1125743
papers	citations	10 h-index	13 g-index

13	13	13	2765
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Endoscopic Visualization of Contact Line Dynamics during Pool Boiling on Capillaryâ€Activated Copper Microchannels. Advanced Functional Materials, 2021, 31, 2006249.	14.9	31
2	High Contrast Thermal Conductivity Change in Niâ€“Mnâ€“In Heusler Alloys near Room Temperature. Advanced Engineering Materials, 2019, 21, 1801342.	3.5	22
3	Ultrascalable Three-Tier Hierarchical Nanoengineered Surfaces for Optimized Boiling. ACS Nano, 2019, 13, 14080-14093.	14.6	83
4	Tuning thermal conductivity in molybdenum disulfide by electrochemical intercalation. Nature Communications, 2016, 7, 13211.	12.8	136
5	Single-crystal Brillouin spectroscopy with CO2 laser heating and variable q. Review of Scientific Instruments, 2015, 86, 063905.	1.3	18
6	Anisotropic lattice expansion of three-dimensional colloidal crystals and its impact on hypersonic phonon band gaps. Physical Chemistry Chemical Physics, 2014, 16, 8921.	2.8	8
7	Direct observation of the phonon dispersion of a three-dimensional solid/solid hypersonic colloidal crystal. Physical Review B, 2013, 88, .	3.2	21
8	Inelastic neutron scattering study of phonon density of states in nanostructured Si<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>thermoelectrics. Physical Review B, 2012, 86, .	3.2	6
9	Power Factor Enhancement by Modulation Doping in Bulk Nanocomposites. Nano Letters, 2011, 11, 2225-2230.	9.1	461
10	Dramatic thermal conductivity reduction by nanostructures for large increase in thermoelectric figure-of-merit of FeSb2. Applied Physics Letters, 2011, 99, .	3.3	45
11	Theoretical studies on the thermoelectric figure of merit of nanograined bulk silicon. Applied Physics Letters, 2010, 97, .	3.3	57
12	Enhanced Thermoelectric Figure-of-Merit in Nanostructured p-type Silicon Germanium Bulk Alloys. Nano Letters, 2008, 8, 4670-4674.	9.1	1,014