

# Gaohua Zhu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11865130/publications.pdf>

Version: 2024-02-01

12  
papers

1,903  
citations

933447

10  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

2765  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Thermoelectric Figure-of-Merit in Nanostructured p-type Silicon Germanium Bulk Alloys. Nano Letters, 2008, 8, 4670-4674.	9.1	1,014
2	Power Factor Enhancement by Modulation Doping in Bulk Nanocomposites. Nano Letters, 2011, 11, 2225-2230.	9.1	461
3	Tuning thermal conductivity in molybdenum disulfide by electrochemical intercalation. Nature Communications, 2016, 7, 13211.	12.8	136
4	Ultrascaleable Three-Tier Hierarchical Nanoengineered Surfaces for Optimized Boiling. ACS Nano, 2019, 13, 14080-14093.	14.6	83
5	Theoretical studies on the thermoelectric figure of merit of nanograined bulk silicon. Applied Physics Letters, 2010, 97, .	3.3	57
6	Dramatic thermal conductivity reduction by nanostructures for large increase in thermoelectric figure-of-merit of FeSb <sub>2</sub> . Applied Physics Letters, 2011, 99, .	3.3	45
7	Endoscopic Visualization of Contact Line Dynamics during Pool Boiling on Capillary-Activated Copper Microchannels. Advanced Functional Materials, 2021, 31, 2006249.	14.9	31
8	High Contrast Thermal Conductivity Change in Ni-Mn-In Heusler Alloys near Room Temperature. Advanced Engineering Materials, 2019, 21, 1801342.	3.5	22
9	Direct observation of the phonon dispersion of a three-dimensional solid/solid hypersonic colloidal crystal. Physical Review B, 2013, 88, .	3.2	21
10	Single-crystal Brillouin spectroscopy with CO <sub>2</sub> laser heating and variable q. Review of Scientific Instruments, 2015, 86, 063905.	1.3	18
11	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
12	Inelastic neutron scattering study of phonon density of states in nanostructured Si <sub>1-x</sub> Ge <sub>x</sub> thermoelectrics. Physical Review B, 2012, 86, .	3.2	16