

# Lin Yang

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Thermal Transport in Quasi-1D van der Waals Crystal Ta <sub>2</sub> Pd <sub>3</sub> Se <sub>8</sub> Nanowires: Size and Length Dependence. ACS Nano, 2018, 12, 2634-2642.	14.6	61
2	Thermal conductivity of individual silicon nanoribbons. Nanoscale, 2016, 8, 17895-17901.	5.6	54
3	Observation of superdiffusive phonon transport in aligned atomic chains. Nature Nanotechnology, 2021, 16, 764-768.	31.5	43
4	Ballistic Phonon Penetration Depth in Amorphous Silicon Dioxide. Nano Letters, 2017, 17, 7218-7225.	9.1	42
5	Distinct Signatures of Electron-Phonon Coupling Observed in the Lattice Thermal Conductivity of NbSe <sub>3</sub> Nanowires. Nano Letters, 2019, 19, 415-421.	9.1	37
6	Decoupling electron and phonon transport in single-nanowire hybrid materials for high-performance thermoelectrics. Science Advances, 2021, 7, .	10.3	30
7	Thermal transport in electrospun vinyl polymer nanofibers: effects of molecular weight and side groups. Soft Matter, 2018, 14, 9534-9541.	2.7	27
8	High thermoelectric figure of merit of porous Si nanowires from 300 to 700 K. Nature Communications, 2021, 12, 3926.	12.8	26
9	Defect Facilitated Phonon Transport through Kinks in Boron Carbide Nanowires. Nano Letters, 2017, 17, 3550-3555.	9.1	23
10	Thermal transport through fishbone silicon nanoribbons: unraveling the role of Sharvin resistance. Nanoscale, 2019, 11, 8196-8203.	5.6	17
11	Kink effects on thermal transport in silicon nanowires. International Journal of Heat and Mass Transfer, 2019, 137, 573-578.	4.8	12
12	Kink as a new degree of freedom to tune the thermal conductivity of Si nanoribbons. Journal of Applied Physics, 2019, 126, .	2.5	11
13	Understanding Diameter and Length Effects in a Solution-Processable Tellurium-Poly(3,4-Ethylenedioxythiophene) Polystyrene Sulfonate Hybrid Thermoelectric Nanowire Mesh. Advanced Electronic Materials, 2021, 7, 2000904.	5.1	6
14	Contact Thermal Resistance between Silver Nanowires with Poly(vinylpyrrolidone) Interlayers. Nano Letters, 2021, 21, 4388-4393.	9.1	5
15	Net negative contributions of free electrons to the thermal conductivity of NbSe <sub>3</sub> nanowires. Physical Chemistry Chemical Physics, 2020, 22, 21131-21138.	2.8	4
16	From nanowires to super heat conductors. Journal of Applied Physics, 2021, 130, 220901.	2.5	4
17	Heat Transfer Enhancement in Tangential Injection Induced Swirl Flows. , 2014, , .		0