

Lin Yang

List of Publications by Year in descending order

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