

Hossein Karamitaheri

List of Publications by Year in descending order

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15
papers

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1307594

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1058476

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15
docs citations

15
times ranked

257
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering enhanced thermoelectric properties in zigzag graphene nanoribbons. Journal of Applied Physics, 2012, 111, .	2.5	88
2	Atomistic Study of the Lattice Thermal Conductivity of Rough Graphene Nanoribbons. IEEE Transactions on Electron Devices, 2013, 60, 2142-2147.	3.0	30
3	Low-dimensional phonon transport effects in ultranarrow disordered graphene nanoribbons. Physical Review B, 2015, 91, .	3.2	23
4	Study of thermal properties of graphene-based structures using the force constant method. Journal of Computational Electronics, 2012, 11, 14-21.	2.5	17
5	Ballistic phonon transport in ultra-thin silicon layers: Effects of confinement and orientation. Journal of Applied Physics, 2013, 113, 204305.	2.5	15
6	Atomistic calculations of the electronic, thermal, and thermoelectric properties of ultra-thin Si layers. Journal of Computational Electronics, 2013, 12, 611-622.	2.5	14
7	Calculation of Confined Phonon Spectrum in Narrow Silicon Nanowires Using the Valence Force Field Method. Journal of Electronic Materials, 2013, 42, 2091-2097.	2.2	13
8	Effect of wave versus particle phonon nature in thermal transport through nanostructures. Computational Materials Science, 2020, 180, 109712.	3.0	9
9	Graphene-Based Antidots for Thermoelectric Applications. Journal of the Electrochemical Society, 2011, 158, K213.	2.9	5
10	Use of Atomistic Phonon Dispersion and Boltzmann Transport Formalism to Study the Thermal Conductivity of Narrow Si Nanowires. Journal of Electronic Materials, 2014, 43, 1829-1836.	2.2	3
11	Phonon transport effects in one-dimensional width-modulated graphene nanoribbons. Journal of Applied Physics, 2016, 119, 244302.	2.5	3
12	Use of Field-Effect Density Modulation to Increase ZT for Si Nanowires: A Simulation Study. Journal of Electronic Materials, 2015, 44, 1599-1605.	2.2	2
13	Line-Edge Roughness Effects on the Electronic Properties of Armchair Black Phosphorene Nanoribbons. IEEE Transactions on Electron Devices, 2021, 68, 5114-5119.	3.0	2
14	Phonon Transport Simulations in Low-Dimensional Disordered Graphene Nanoribbons. IEEE Nanotechnology Magazine, 2016, 15, 339-347.	2.0	1
15	Zigzag graphene nanoribbon antidot lattice for local interconnect applications: a precise computational method. Journal of Computational Electronics, 0, , 1.	2.5	0