

Alexandr I Cocemasov

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,113
citations

840119

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996533

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docs citations

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times ranked

1976
citing authors

#	ARTICLE	IF	CITATIONS
1	Strongly Anisotropic Thermal Conductivity of Free-Standing Reduced Graphene Oxide Films Annealed at High Temperature. <i>Advanced Functional Materials</i> , 2015, 25, 4664-4672.	7.8	462
2	Phonons in twisted bilayer graphene. <i>Physical Review B</i> , 2013, 88, .	1.1	167
3	Thermal conductivity of twisted bilayer graphene. <i>Nanoscale</i> , 2014, 6, 13402-13408.	2.8	136
4	Suppression of phonon heat conduction in cross-section-modulated nanowires. <i>Physical Review B</i> , 2012, 85, .	1.1	72
5	Specific heat of twisted bilayer graphene: Engineering phonons by atomic plane rotations. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	70
6	Thermal conductivity inhibition in phonon engineered core-shell cross-section modulated Si/Ge nanowires. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	54
7	Engineering of the thermodynamic properties of bilayer graphene by atomic plane rotations: the role of the out-of-plane phonons. <i>Nanoscale</i> , 2015, 7, 12851-12859.	2.8	53
8	Ultra-low thermal conductivity of nanogranular indium tin oxide films deposited by spray pyrolysis. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	32
9	In-Plane Thermal Conductivity of Radial and Planar Si/SiO ₂ Hybrid Nanomembrane Superlattices. <i>ACS Nano</i> , 2017, 11, 8215-8222.	7.3	18
10	Phonon-engineered thermal transport in Si wires with constant and periodically modulated cross-sections: A crossover between nano- and microscale regimes. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	15
11	Thermal transport in semiconductor nanostructures, graphene, and related two-dimensional materials. <i>Chinese Physics B</i> , 2018, 27, 056301.	0.7	15
12	Phonons and Phonon Thermal Conductivity in Silicon Nanolayers. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2012, 7, 370-375.	0.1	7
13	Phonons and Thermal Transport in Si/SiO ₂ Multishell Nanotubes: Atomistic Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3419.	1.3	5
14	Energetic, structural and electronic features of Sn-, Ga-, O-based defect complexes in cubic In ₂ O ₃ . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 225703.	0.7	3
15	Thermal Transport Evolution Due to Nanostructural Transformations in Ga-Doped Indium-Tin-Oxide Thin Films. <i>Nanomaterials</i> , 2021, 11, 1126.	1.9	3
16	Two-Dimensional Thermal Transport in Graphene. , 2017, , 57-84.		1
17	Strong reduction of the lattice thermal conductivity in superlattices and quantum dot superlattices. , 2012, , .		0
18	Thermal Conductivity of Segmented Nanowires. <i>Nanoscience and Technology</i> , 2016, , 507-531.	1.5	0