

# Alexandr I Cocemasov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2376992/publications.pdf>

Version: 2024-02-01

18  
papers

1,113  
citations

840119

11  
h-index

996533

15  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1976  
citing authors

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