

Leonid Gilburd

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

375
citations

840776

11
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

670
citing authors

#	ARTICLE	IF	CITATIONS
1	One-dimensional surface phonon polaritons in boron nitride nanotubes. Nature Communications, 2014, 5, 4782.	12.8	140
2	Underwater Electrical Explosion of Wires and Wire Arrays and Generation of Converging Shock Waves. IEEE Transactions on Plasma Science, 2016, 44, 412-431.	1.3	50
3	Mid-infrared Polaritonic Coupling between Boron Nitride Nanotubes and Graphene. ACS Nano, 2014, 8, 11305-11312.	14.6	38
4	Defects and Deformation of Boron Nitride Nanotubes Studied by Joint Nanoscale Mechanical and Infrared Near-Field Microscopy. Journal of Physical Chemistry C, 2016, 120, 1945-1951.	3.1	22
5	Near-Field Infrared Pump-Probe Imaging of Surface Phonon Coupling in Boron Nitride Nanotubes. Journal of Physical Chemistry Letters, 2016, 7, 289-294.	4.6	22
6	Hexagonal Boron Nitride Self-Launches Hyperbolic Phonon Polaritons. Journal of Physical Chemistry Letters, 2017, 8, 2158-2162.	4.6	21
7	Phase stabilized homodyne of infrared scattering type scanning near-field optical microscopy. Applied Physics Letters, 2014, 105, .	3.3	19
8	The Effect of Adjacent Materials on the Propagation of Phonon Polaritons in Hexagonal Boron Nitride. Journal of Physical Chemistry Letters, 2017, 8, 2902-2908.	4.6	17
9	Surface and Volume Phonon Polaritons in Boron Nitride Nanotubes. Journal of Physical Chemistry Letters, 2019, 10, 4851-4856.	4.6	15
10	Mid-infrared surface phonon polaritons in boron-nitride nanotubes. Journal of Optics (United Kingdom), 2014, 11, 1107-1112.	2.2	12
11	Nanoscale Subsurface Morphologies in Block Copolymer Thin Films Revealed by Combined Near-Field Infrared Microscopy and Mechanical Mapping. ACS Applied Polymer Materials, 2019, 1, 933-938.	4.4	12
12	Optical hot-spots in boron-nitride nanotubes at mid infrared frequencies: one-dimensional localization due to random-scattering. Optics Express, 2017, 25, 25059.	3.4	7
13	Surface Phonon Coupling within Boron Nitride Nanotubes Resolved by a Novel Near-Field Infrared Pump-Probe Imaging Technique.. Microscopy and Microanalysis, 2016, 22, 366-367.	0.4	0
14	Surface phonon coupling within boron nitride resolved by a novel near-field infrared pump-probe imaging technique. Proceedings of SPIE, 2016, , .	0.8	0