

Alejandro Vega-Flick

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

315
citations

759233

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839539

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g-index

22
all docs

22
docs citations

22
times ranked

466
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Phonon Polariton Heat Transport. Nano Letters, 2019, 19, 6924-6930.	9.1	41
2	Thermal transport in suspended silicon membranes measured by laser-induced transient gratings. AIP Advances, 2016, 6, .	1.3	40
3	Generation of coherent phonons by coherent extreme ultraviolet radiation in a transient grating experiment. Applied Physics Letters, 2018, 113, .	3.3	28
4	Bridging the gap to mesoscale radiation materials science with transient grating spectroscopy. Physical Review B, 2016, 94, .	3.2	26
5	Laser-induced transient grating setup with continuously tunable period. Review of Scientific Instruments, 2015, 86, 123101.	1.3	23
6	Increase in elastic anisotropy of single crystal tungsten upon He-ion implantation measured with laser-generated surface acoustic waves. Applied Physics Letters, 2016, 109, .	3.3	21
7	Reduced thermal conductivity of epitaxial GaAs on Si due to symmetry-breaking biaxial strain. Physical Review Materials, 2019, 3, .	2.4	20
8	Applications of Transient Grating Spectroscopy to Radiation Materials Science. Jom, 2015, 67, 1840-1848.	1.9	18
9	Vibrational dynamics of a two-dimensional microgranular crystal. Physical Review B, 2017, 96, .	3.2	17
10	Resonant attenuation of surface acoustic waves by a disordered monolayer of microspheres. Applied Physics Letters, 2016, 108, .	3.3	15
11	Study of thermal conductivity of magnetorheological fluids using the thermal-wave resonant cavity and its relationship with the viscosity. Smart Materials and Structures, 2017, 26, 025010.	3.5	14
12	Doping molecular organic semiconductors by diffusion from the vapor phase. Materials Chemistry Frontiers, 2020, 4, 3632-3639.	5.9	13
13	Study of the thermal properties of polyester composites loaded with oriented carbon nanofibers using the front-face flash method. Polymer Testing, 2016, 50, 255-261.	4.8	12
14	Contact-based and spheroidal vibrational modes of a hexagonal monolayer of microspheres on a substrate. Wave Motion, 2018, 76, 122-133.	2.0	8
15	Increasing the thermal conductivity of silicone based fluids using carbon nanofibers. Journal of Applied Physics, 2016, 120, .	2.5	5
16	Heat transport in epoxy and polyester carbonyl iron microcomposites: The effect of concentration and temperature. Journal of Composite Materials, 2018, 52, 1331-1338.	2.4	4
17	Effect of local atomic phase separation in the x-ray absorption near edge structure spectroscopy of FeSe x Te 1-x. Journal of Physics and Chemistry of Solids, 2015, 84, 80-84.	4.0	3
18	Thermal conductivity reduction in highly doped mesoporous silicon: The effect of nano-crystal formation. Journal of Applied Physics, 2018, 124, .	2.5	2

#	ARTICLE	IF	CITATIONS
19	Vibrations of micron-sized fluid membranes induced via pulsed laser excitation. Journal of Fluids and Structures, 2018, 81, 58-68.	3.4	2
20	Transient grating spectroscopy of photocarrier dynamics in semiconducting polymer thin films. Applied Physics Letters, 2020, 117, .	3.3	2
21	Notice of Removal: Generation of acoustic waves by an extreme ultra violet free electron laser in a transient grating experiment. , 2017, , .		0