

Alejandro Vega-Flick

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

315
citations

759055

12
h-index

839398

18
g-index

22
all docs

22
docs citations

22
times ranked

466
citing authors

#	ARTICLE	IF	CITATIONS
1	Doping molecular organic semiconductors by diffusion from the vapor phase. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3632-3639.	3.2	13
2	Transient grating spectroscopy of photocarrier dynamics in semiconducting polymer thin films. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	2
3	Two-Dimensional Phonon Polariton Heat Transport. <i>Nano Letters</i> , 2019, 19, 6924-6930.	4.5	41
4	Reduced thermal conductivity of epitaxial GaAs on Si due to symmetry-breaking biaxial strain. <i>Physical Review Materials</i> , 2019, 3, .	0.9	20
5	Contact-based and spheroidal vibrational modes of a hexagonal monolayer of microspheres on a substrate. <i>Wave Motion</i> , 2018, 76, 122-133.	1.0	8
6	Heat transport in epoxy and polyester carbonyl iron microcomposites: The effect of concentration and temperature. <i>Journal of Composite Materials</i> , 2018, 52, 1331-1338.	1.2	4
7	Generation of coherent phonons by coherent extreme ultraviolet radiation in a transient grating experiment. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	28
8	Thermal conductivity reduction in highly doped mesoporous silicon: The effect of nano-crystal formation. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	2
9	Vibrations of micron-sized fluid membranes induced via pulsed laser excitation. <i>Journal of Fluids and Structures</i> , 2018, 81, 58-68.	1.5	2
10	Study of thermal conductivity of magnetorheological fluids using the thermal-wave resonant cavity and its relationship with the viscosity. <i>Smart Materials and Structures</i> , 2017, 26, 025010.	1.8	14
11	Vibrational dynamics of a two-dimensional microgranular crystal. <i>Physical Review B</i> , 2017, 96, .	1.1	17
12	Notice of Removal: Generation of acoustic waves by an extreme ultra violet free electron laser in a transient grating experiment. , 2017, , .		0
13	Thermal transport in suspended silicon membranes measured by laser-induced transient gratings. <i>AIP Advances</i> , 2016, 6, .	0.6	40
14	Bridging the gap to mesoscale radiation materials science with transient grating spectroscopy. <i>Physical Review B</i> , 2016, 94, .	1.1	26
15	Increasing the thermal conductivity of silicone based fluids using carbon nanofibers. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	5
16	Resonant attenuation of surface acoustic waves by a disordered monolayer of microspheres. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	15
17	Increase in elastic anisotropy of single crystal tungsten upon He-ion implantation measured with laser-generated surface acoustic waves. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	21
18	Study of the thermal properties of polyester composites loaded with oriented carbon nanofibers using the front-face flash method. <i>Polymer Testing</i> , 2016, 50, 255-261.	2.3	12

#	ARTICLE	IF	CITATIONS
19	Laser-induced transient grating setup with continuously tunable period. Review of Scientific Instruments, 2015, 86, 123101.	0.6	23
20	Effect of local atomic phase separation in the x-ray absorption near edge structure spectroscopy of FeSe x Te 1âˆ™x. Journal of Physics and Chemistry of Solids, 2015, 84, 80-84.	1.9	3
21	Applications of Transient Grating Spectroscopy to Radiation Materials Science. Jom, 2015, 67, 1840-1848.	0.9	18