Amey Khanolkar

List of Publications by Year
in descending order

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18	431	1039406	887659
papers	citations	9 h-index	17 g-index

20	20	20	556
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	GST-on-silicon hybrid nanophotonic integrated circuits: a non-volatile quasi-continuously reprogrammable platform. Optical Materials Express, 2018, 8, 1551.	1.6	166
2	Complex Contact-Based Dynamics of Microsphere Monolayers Revealed by Resonant Attenuation of Surface Acoustic Waves. Physical Review Letters, 2016, 116, 198001.	2.9	46
3	A self-assembled metamaterial for Lamb waves. Applied Physics Letters, 2015, 107, .	1.5	40
4	The influence of lattice defects, recombination, and clustering on thermal transport in single crystal thorium dioxide. APL Materials, 2020, 8, .	2.2	32
5	An integrated experimental and computational investigation of defect and microstructural effects on thermal transport in thorium dioxide. Acta Materialia, 2021, 213, 116934.	3.8	26
6	Laser-induced transient grating setup with continuously tunable period. Review of Scientific Instruments, 2015, 86, 123101.	0.6	23
7	Spatial Laplace transform for complex wavenumber recovery and its application to the analysis of attenuation in acoustic systems. Journal of Applied Physics, 2016, 120, .	1.1	23
8	Resonant attenuation of surface acoustic waves by a disordered monolayer of microspheres. Applied Physics Letters, 2016, 108, .	1.5	15
9	Longitudinal eigenvibration of multilayer colloidal crystals and the effect of nanoscale contact bridges. Nanoscale, 2019, 11, 5655-5665.	2.8	11
10	In situ monitoring of microstructure evolution during thermal processing of uranium-zirconium alloys using laser-generated ultrasound. Journal of Nuclear Materials, 2021, 553, 153005.	1.3	9
11	Intragranular thermal transport in Uâ€“50Zr. Journal of Nuclear Materials, 2020, 534, 152145.	1.3	9
12	Determining local thermal transport in a composite uranium-nitride/silicide nuclear fuel using square-pulse transient thermoreflectance technique. Journal of Nuclear Materials, 2020, 528, 151842.	1.3	8
13	Nanocontact Tailoring via Microlensing Enables Giant Postfabrication Mesoscopic Tuning in a Selfâ€Assembled Ultrasonic Metamaterial. Advanced Functional Materials, 2020, 30, 1909217.	7.8	6
14	Inferring relative dose-dependent color center populations in proton irradiated thoria single crystals using optical spectroscopy. Physical Chemistry Chemical Physics, 2022, 24, 6133-6145.	1.3	6
15	Laser-Induced Spallation of Microsphere Monolayers. Langmuir, 2016, 32, 7730-7734.	1.6	4
16	One-step manufacturing process for neodymium-iron (magnet-grade) master alloy. Materials Science for Energy Technologies, 2021, 4, 249-255.	1.0	4
17	Origin of photoelastic phenomena in Ge-Se network glasses. Physical Review B, 2021, 104, .	1.1	2
18	Damage Identification Using Acoustic Emission Data Obtained from Large Composite Structures. , 0, , .		1