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	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
2	One-step manufacturing process for neodymium-iron (magnet-grade) master alloy. Materials Science for Energy Technologies, 2021, 4, 249-255.	1.0	4
3	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
4	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
5	Origin of photoelastic phenomena in Ge-Se network glasses. Physical Review B, 2021, 104, .	1.1	2
6	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
7	The influence of lattice defects, recombination, and clustering on thermal transport in single crystal thorium dioxide. APL Materials, 2020, 8, .	2.2	32
8	Nanocontact Tailoring via Microlensing Enables Giant Postfabrication Mesoscopic Tuning in a Selfâ€Assembled Ultrasonic Metamaterial. Advanced Functional Materials, 2020, 30, 1909217.	7.8	6
9	Intragranular thermal transport in Uâ€“50Zr. Journal of Nuclear Materials, 2020, 534, 152145.	1.3	9
10	Longitudinal eigenvibration of multilayer colloidal crystals and the effect of nanoscale contact bridges. Nanoscale, 2019, 11, 5655-5665.	2.8	11
11	GST-on-silicon hybrid nanophotonic integrated circuits: a non-volatile quasi-continuously reprogrammable platform. Optical Materials Express, 2018, 8, 1551.	1.6	166
12	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
13	Resonant attenuation of surface acoustic waves by a disordered monolayer of microspheres. Applied Physics Letters, 2016, 108, .	1.5	15
14	Complex Contact-Based Dynamics of Microsphere Monolayers Revealed by Resonant Attenuation of Surface Acoustic Waves. Physical Review Letters, 2016, 116, 198001.	2.9	46
15	Laser-Induced Spallation of Microsphere Monolayers. Langmuir, 2016, 32, 7730-7734.	1.6	4
16	Laser-induced transient grating setup with continuously tunable period. Review of Scientific Instruments, 2015, 86, 123101.	0.6	23
17	A self-assembled metamaterial for Lamb waves. Applied Physics Letters, 2015, 107, .	1.5	40
18	Damage Identification Using Acoustic Emission Data Obtained from Large Composite Structures. , 0, , .		1