

Raj Kumar Pal

List of Publications by Year in descending order

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11
papers

915
citations

1040056

9
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunnel excavation in granular media: the role of force chains. <i>Granular Matter</i> , 2021, 23, 1.	2.2	4
2	Unearthing real-time 3D ant tunneling mechanics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	10
3	Design of topological elastic waveguides. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	29
4	Valley-based splitting of topologically protected helical waves in elastic plates. <i>Physical Review B</i> , 2019, 100, .	3.2	85
5	Edge States and Topological Pumping in Spatially Modulated Elastic Lattices. <i>Physical Review Letters</i> , 2019, 123, 034301.	7.8	89
6	Topological bands and localized vibration modes in quasiperiodic beams. <i>New Journal of Physics</i> , 2019, 21, 093017.	2.9	40
7	Amplitude-dependent topological edge states in nonlinear phononic lattices. <i>Physical Review E</i> , 2018, 97, 032209.	2.1	63
8	A study of deformation localization in nonlinear elastic square lattices under compression. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170140.	3.4	3
9	Edge waves in plates with resonators: an elastic analogue of the quantum valley Hall effect. <i>New Journal of Physics</i> , 2017, 19, 025001.	2.9	271
10	Observation of topological valley modes in an elastic hexagonal lattice. <i>Physical Review B</i> , 2017, 96, .	3.2	218
11	Helical edge states and topological phase transitions in phononic systems using bi-layered lattices. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	103