

Ting-Wei Liu

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

532
citations

840776

11
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

403
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of one-dimensional acoustic metamaterials using machine learning and cell concatenation. Structural and Multidisciplinary Optimization, 2021, 63, 2399-2423.	3.5	33
2	Phononic Waveguides: Synthetic Kramers Pair in Phononic Elastic Plates and Helical Edge States on a Dislocation Interface (Adv. Mater. 9/2021). Advanced Materials, 2021, 33, 2170068.	21.0	0
3	Synthetic Kramers Pair in Phononic Elastic Plates and Helical Edge States on a Dislocation Interface. Advanced Materials, 2021, 33, e2005160.	21.0	19
4	Topological edge states in phononic plates with embedded acoustic black holes. Journal of Sound and Vibration, 2020, 466, 115060.	3.9	51
5	Weyl points and topological surface states in a three-dimensional sandwich-type elastic lattice. New Journal of Physics, 2020, 22, 083001.	2.9	13
6	Experimental Evidence of Robust Acoustic Valley Hall Edge States in a Nonresonant Topological Elastic Waveguide. Physical Review Applied, 2019, 11, .	3.8	56
7	Nonconventional topological band properties and gapless helical edge states in elastic phononic waveguides with Kekulé distortion. Physical Review B, 2019, 100, .	3.2	19
8	Tunable Acoustic Valley Hall Edge States in Reconfigurable Phononic Elastic Waveguides. Physical Review Applied, 2018, 9, .	3.8	174
9	Design and experimental observation of valley-Hall edge states in diatomic-graphene-like elastic waveguides. Physical Review B, 2018, 97, .	3.2	108
10	Inducing and tuning edge-states in a weak topological phononic waveguide. , 2018, , .		0
11	Evidence of a Love wave bandgap in a quartz substrate coated with a phononic thin layer. Applied Physics Letters, 2014, 104, 181905.	3.3	18
12	Design and fabrication of a phononic-crystal-based Love wave resonator in GHz range. AIP Advances, 2014, 4, 124201.	1.3	29
13	Band gap and local resonances of Love waves in a piezoelectric substrate coated with phononic guiding layer. , 2013, , .		0
14	Design and fabrication of an AT-cut quartz phononic Lamb wave resonator. Journal of Micromechanics and Microengineering, 2013, 23, 065025.	2.6	12