

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