

# Tian-Xue

## List of Publications by Year in descending order

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23  
papers

440  
citations

623188

14  
h-index

713013

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

298  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex dispersion analysis of topologically protected interface states in two-dimensional viscoelastic phononic crystals. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 055304.	1.3	17
2	Flexural wave energy harvesting by the topological interface state of a phononic crystal beam. <i>Extreme Mechanics Letters</i> , 2022, 50, 101578.	2.0	35
3	Three-dimensional acoustic circuits with coupled resonators in phononic crystals. <i>Journal of Sound and Vibration</i> , 2022, 536, 117115.	2.1	4
4	Acoustic flatbands in phononic crystal defect lattices. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	12
5	Flexural wave energy harvesting by multi-mode elastic metamaterial cavities. <i>Extreme Mechanics Letters</i> , 2020, 41, 101073.	2.0	41
6	Active control on topological immunity of elastic wave metamaterials. <i>Scientific Reports</i> , 2020, 10, 9376.	1.6	38
7	Vibration isolation by novel meta-design of pyramid-core lattice sandwich structures. <i>Journal of Sound and Vibration</i> , 2020, 480, 115377.	2.1	35
8	Photonic and phononic surface and edge modes in three-dimensional phoxonic crystals. <i>Physical Review B</i> , 2018, 97, .	1.1	19
9	Heat reduction by thermal wave crystals. <i>International Journal of Heat and Mass Transfer</i> , 2018, 121, 215-222.	2.5	18
10	Liquid-assisted tunable metasurface for simultaneous manipulation of surface elastic and acoustic waves. <i>AIP Advances</i> , 2018, 8, .	0.6	16
11	Enhancement of acousto-optical coupling in two-dimensional air-slot phoxonic crystal cavities by utilizing surface acoustic waves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 323-329.	0.9	9
12	Simultaneous Guidance of Surface Acoustic and Surface Optical Waves in Phoxonic Crystal Slabs. <i>Crystals</i> , 2017, 7, 350.	1.0	1
13	Theoretical research on a two-dimensional phoxonic crystal liquid sensor by utilizing surface optical and acoustic waves. <i>Sensors and Actuators A: Physical</i> , 2016, 242, 123-131.	2.0	27
14	Investigation of complete bandgaps in a piezoelectric slab covered with periodically structured coatings. <i>Ultrasonics</i> , 2016, 65, 268-276.	2.1	8
15	Topology optimization of simultaneous photonic and phononic bandgaps and highly effective phoxonic cavity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 2946.	0.9	32
16	Acousto-optical interaction of surface acoustic and optical waves in a two-dimensional phoxonic crystal hetero-structure cavity. <i>Optics Express</i> , 2014, 22, 28443.	1.7	25
17	Investigation of dual photonic and phononic bandgaps in two-dimensional phoxonic crystals with veins. <i>Optics Communications</i> , 2014, 312, 68-72.	1.0	33
18	Simultaneous guiding of slow elastic and light waves in three-dimensional topology-type phoxonic crystals with a line defect. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 085002.	1.0	10

#	ARTICLE	IF	CITATIONS
19	Three-dimensional dielectric phoxonic crystals with network topology. Optics Express, 2013, 21, 2727.	1.7	30
20	Effects of material parameters on elastic band gaps of three-dimensional solid phononic crystals. Physica Scripta, 2013, 87, 055604.	1.2	15
21	An improvement of the filter diagonalization-based post-processing method applied to finite difference time domain calculations of three-dimensional phononic band structures. Physica Scripta, 2012, 86, 045401.	1.2	0
22	Elastic band structures of two-dimensional solid phononic crystal with negative Poisson's ratios. Physica B: Condensed Matter, 2012, 407, 4186-4192.	1.3	11
23	Finite difference time domain calculation of three-dimensional phononic band structures using a postprocessing method based on the filter diagonalization. Physica Scripta, 2011, 84, 045404.	1.2	4