

Tian-Xue

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Flexural wave energy harvesting by multi-mode elastic metamaterial cavities. <i>Extreme Mechanics Letters</i> , 2020, 41, 101073. | 2.0 | 41 |
| 2 | Active control on topological immunity of elastic wave metamaterials. <i>Scientific Reports</i> , 2020, 10, 9376. | 1.6 | 38 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Three-dimensional dielectric phoxonic crystals with network topology. <i>Optics Express</i> , 2013, 21, 2727. | 1.7 | 30 |
| 8 | 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 |
| 9 | 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 |
| 10 | Photonic and phononic surface and edge modes in three-dimensional phoxonic crystals. <i>Physical Review B</i> , 2018, 97, . | 1.1 | 19 |
| 11 | Heat reduction by thermal wave crystals. <i>International Journal of Heat and Mass Transfer</i> , 2018, 121, 215-222. | 2.5 | 18 |
| 12 | 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 |
| 13 | Liquid-assisted tunable metasurface for simultaneous manipulation of surface elastic and acoustic waves. <i>AIP Advances</i> , 2018, 8, . | 0.6 | 16 |
| 14 | Effects of material parameters on elastic band gaps of three-dimensional solid phononic crystals. <i>Physica Scripta</i> , 2013, 87, 055604. | 1.2 | 15 |
| 15 | Acoustic flatbands in phononic crystal defect lattices. <i>Journal of Applied Physics</i> , 2021, 129, . | 1.1 | 12 |
| 16 | Elastic band structures of two-dimensional solid phononic crystal with negative Poisson's ratios. <i>Physica B: Condensed Matter</i> , 2012, 407, 4186-4192. | 1.3 | 11 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Investigation of complete bandgaps in a piezoelectric slab covered with periodically structured coatings. <i>Ultrasonics</i> , 2016, 65, 268-276. | 2.1 | 8 |
| 20 | Finite difference time domain calculation of three-dimensional phononic band structures using a postprocessing method based on the filter diagonalization. <i>Physica Scripta</i> , 2011, 84, 045404. | 1.2 | 4 |
| 21 | Three-dimensional acoustic circuits with coupled resonators in phononic crystals. <i>Journal of Sound and Vibration</i> , 2022, 536, 117115. | 2.1 | 4 |
| 22 | Simultaneous Guidance of Surface Acoustic and Surface Optical Waves in Phoxonic Crystal Slabs. <i>Crystals</i> , 2017, 7, 350. | 1.0 | 1 |
| 23 | An improvement of the filter diagonalization-based post-processing method applied to finite difference time domain calculations of three-dimensional phononic band structures. <i>Physica Scripta</i> , 2012, 86, 045401. | 1.2 | 0 |