

Timothy F Walsh

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

212
citations

1478505

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h-index

1474206

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all docs

9
docs citations

9
times ranked

164
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|---|-----|-----------|
| 1 | Large scale parameter estimation problems in frequency-domain elastodynamics using an error in constitutive equation functional. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2013, 253, 60-72. | 6.6 | 65 |
| 2 | Nonlocal elastic metasurfaces: Enabling broadband wave control via intentional nonlocality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26099-26108. | 7.1 | 56 |
| 3 | Total-internal-reflection elastic metasurfaces: Design and application to structural vibration isolation. <i>Applied Physics Letters</i> , 2018, 113, . | 3.3 | 48 |
| 4 | Experimental study of vibration isolation in thin-walled structural assemblies with embedded total-internal-reflection metasurfaces. <i>Journal of Sound and Vibration</i> , 2019, 456, 162-172. | 3.9 | 16 |
| 5 | A gradient-based optimization approach for the detection of partially connected surfaces using vibration tests. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 345, 323-335. | 6.6 | 9 |
| 6 | On the broadband vibration isolation performance of nonlocal total-internal-reflection metasurfaces. <i>Journal of Sound and Vibration</i> , 2022, 522, 116670. | 3.9 | 6 |
| 7 | A COMPARISON OF TRANSIENT INFINITE ELEMENTS AND TRANSIENT KIRCHHOFF INTEGRAL METHODS FOR FAR FIELD ACOUSTIC ANALYSIS. <i>Journal of Computational Acoustics</i> , 2013, 21, 1350006. | 1.0 | 5 |
| 8 | Novel strategies for modal-based structural material identification. <i>Mechanical Systems and Signal Processing</i> , 2021, 149, 107295. | 8.0 | 5 |
| 9 | Directional infrasound sensing using acoustic metamaterials. <i>Journal of the Acoustical Society of America</i> , 2021, 150, 367-375. | 1.1 | 2 |