

Timothy F Walsh

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

212
citations

1478505

6
h-index

1474206

9
g-index

9
all docs

9
docs citations

9
times ranked

164
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Novel strategies for modal-based structural material identification. <i>Mechanical Systems and Signal Processing</i> , 2021, 149, 107295.	8.0	5
3	Directional infrasound sensing using acoustic metamaterials. <i>Journal of the Acoustical Society of America</i> , 2021, 150, 367-375.	1.1	2
4	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
5	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
6	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
7	Total-internal-reflection elastic metasurfaces: Design and application to structural vibration isolation. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	48
8	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
9	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