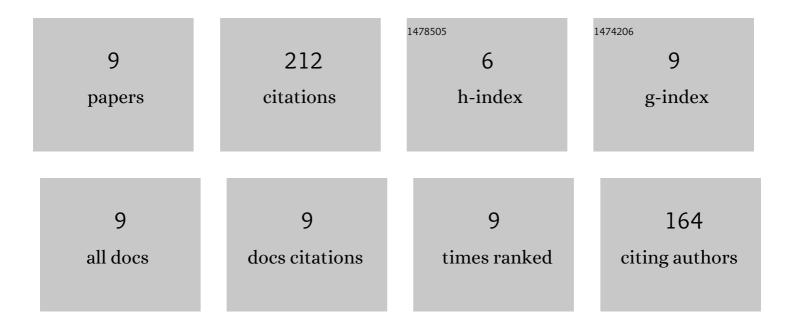
Timothy F Walsh

List of Publications by Year in descending order

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ΤΙΜΟΤΗΥ Ε ΜΛΙ ΟΗ

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