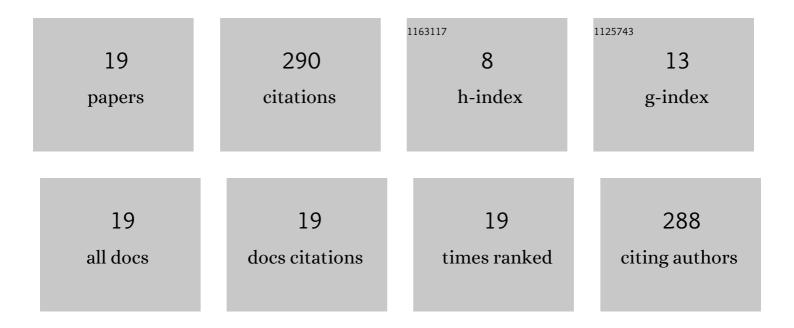
Joseph F Vignola

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11315634/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Attachment loss of micromechanical and nanomechanical resonators in the limits of thick and thin support structures. Journal of Applied Physics, 2007, 101, 013521.	2.5	89
2	Effect of viscous loss on mechanical resonators designed for mass detection. Applied Physics Letters, 2006, 88, 041921.	3.3	79
3	Laser detection of sound. Journal of the Acoustical Society of America, 1991, 90, 1275-1286.	1.1	32
4	Shaping of a system's frequency response using an array of subordinate oscillators. Journal of the Acoustical Society of America, 2009, 126, 129-139.	1.1	23
5	Dissipation from microscale and nanoscale beam resonators into a surrounding fluid. Applied Physics Letters, 2008, 92, 124102.	3.3	15
6	Noise sensitivity of a mass detection method using vibration modes of coupled microcantilever arrays. Applied Physics Letters, 2012, 101, 043104.	3.3	14
7	Architectural considerations of micro- and nanoresonators for mass detection in the presence of a fluid. Journal of Applied Physics, 2008, 104, .	2.5	13
8	Mode-shape-based mass detection scheme using mechanically diverse, indirectly coupled microresonator arrays. Journal of Applied Physics, 2015, 117, .	2.5	11
9	Equation of motion of microparticles in suspension in an insonified medium. Journal of the Acoustical Society of America, 1992, 92, 332-334.	1.1	4
10	Considerations for Use of Square-Paddle Resonators for Arrays of Micro- and Nanoscale Devices. , 2009, , .		3
11	Sonar inter-ping noise field characterization during cetacean behavioral response studies off Southern California. Acoustical Physics, 2017, 63, 204-215.	1.0	3
12	Inter-ping sound field from a simulated mid-frequency active sonar, and its implication to marine mammal tonal masking. Proceedings of Meetings on Acoustics, 2016, , .	0.3	2
13	Synthetic Aperture Imaging of Surface Laid Targets by Sound. Sensing and Imaging, 2012, 13, 55-65.	1.5	1
14	Impact of mass ratio and bandwidth on apparent damping of a harmonic oscillator with subordinate oscillator array. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
15	Inverse Eigenmode Method for Identifying and Locating Added Mass in Mechanically Diverse Coupled Microresonantor Arrays. , 2011, , .		0
16	Micro vibrometry measurements of a subordinate oscillator array. , 2014, , .		0
17	Soundscape characteristics of the Eastern Taiwan Strait Indo-Pacific humpback dolphin habitat. , 2016, , .		0
18	Characterization of marine seismic survey inter-pulse sound field in an Arctic shallow-water environment. , 2016, , .		0

#	Article	IF	CITATIONS
19	Timeâ€domain chemical vapour mass sensor using a functionalized subordinate array. Medical Devices & Sensors, 2020, 3, e10062.	2.7	ο