

Joseph F Vignola

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

290
citations

1163117

8
h-index

1125743

13
g-index

19
all docs

19
docs citations

19
times ranked

288
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Time-domain chemical vapour mass sensor using a functionalized subordinate array. Medical Devices & Sensors, 2020, 3, e10062. | 2.7 | 0 |
| 2 | Sonar inter-ping noise field characterization during cetacean behavioral response studies off Southern California. Acoustical Physics, 2017, 63, 204-215. | 1.0 | 3 |
| 3 | Soundscape characteristics of the Eastern Taiwan Strait Indo-Pacific humpback dolphin habitat. , 2016, , . | | 0 |
| 4 | Characterization of marine seismic survey inter-pulse sound field in an Arctic shallow-water environment. , 2016, , . | | 0 |
| 5 | 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 |
| 6 | Mode-shape-based mass detection scheme using mechanically diverse, indirectly coupled microresonator arrays. Journal of Applied Physics, 2015, 117, . | 2.5 | 11 |
| 7 | Micro vibrometry measurements of a subordinate oscillator array. , 2014, , . | | 0 |
| 8 | 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 |
| 9 | Noise sensitivity of a mass detection method using vibration modes of coupled microcantilever arrays. Applied Physics Letters, 2012, 101, 043104. | 3.3 | 14 |
| 10 | Synthetic Aperture Imaging of Surface Laid Targets by Sound. Sensing and Imaging, 2012, 13, 55-65. | 1.5 | 1 |
| 11 | Inverse Eigenmode Method for Identifying and Locating Added Mass in Mechanically Diverse Coupled Microresonator Arrays. , 2011, , . | | 0 |
| 12 | Considerations for Use of Square-Paddle Resonators for Arrays of Micro- and Nanoscale Devices. , 2009, , . | | 3 |
| 13 | 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 |
| 14 | Architectural considerations of micro- and nanoresonators for mass detection in the presence of a fluid. Journal of Applied Physics, 2008, 104, . | 2.5 | 13 |
| 15 | Dissipation from microscale and nanoscale beam resonators into a surrounding fluid. Applied Physics Letters, 2008, 92, 124102. | 3.3 | 15 |
| 16 | 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 |
| 17 | Effect of viscous loss on mechanical resonators designed for mass detection. Applied Physics Letters, 2006, 88, 041921. | 3.3 | 79 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Laser detection of sound. <i>Journal of the Acoustical Society of America</i> , 1991, 90, 1275-1286. | 1.1 | 32 |