John A Judge

List of Publications by Year
in descending order

21 papers	513 citations	933447 10 h-index	996975 15 g-index
21 all docs	21 docs citations	21 times ranked	520 citing authors

#	Article	IF	Citations
1	Attachment losses of high Q oscillators. Applied Physics Letters, 2004, 85, 482-484.	3.3	166
2	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
3	Effect of viscous loss on mechanical resonators designed for mass detection. Applied Physics Letters, 2006, 88, 041921.	3.3	79
4	Experimental Mistuning Identification in Bladed Disks Using a Component-Mode-Based Reduced-Order Model. AIAA Journal, 2009, 47, 1277-1287.	2.6	45
5	Effects of disorder in one- and two-dimensional micromechanical resonator arrays for filtering. Journal of Sound and Vibration, 2006, 290, 1119-1140.	3.9	34
6	Shaping of a systemâ€™s frequency response using an array of subordinate oscillators. Journal of the Acoustical Society of America, 2009, 126, 129-139.	1.1	23
7	Dissipation from microscale and nanoscale beam resonators into a surrounding fluid. Applied Physics Letters, 2008, 92, 124102.	3.3	15
8	Noise sensitivity of a mass detection method using vibration modes of coupled microcantilever arrays. Applied Physics Letters, 2012, 101, 043104.	3.3	14
9	Architectural considerations of micro- and nanoresonators for mass detection in the presence of a fluid. Journal of Applied Physics, 2008, 104, .	2.5	13
10	Traveling-wave Excitation and Optical Measurement Techniques for Non-contacting Investigation of Bladed Disk Dynamics. The Shock and Vibration Digest, 2003, 35, 183-190.	6.2	12
11	Mode-shape-based mass detection scheme using mechanically diverse, indirectly coupled microresonator arrays. Journal of Applied Physics, 2015, 117, .	2.5	11
12	Considerations for Use of Square-Paddle Resonators for Arrays of Micro- and Nanoscale Devices. , 2009, , .		3
13	Sonar inter-ping noise field characterization during cetacean behavioral response studies off Southern California. Acoustical Physics, 2017, 63, 204-215.	1.0	3
14	Analytic and laser vibrometry study of squeeze film damping of MEMS cantilevers. , 2006, , .		2
15	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
16	Synthetic Aperture Imaging of Surface Laid Targets by Sound. Sensing and Imaging, 2012, 13, 55-65.	1.5	1
17	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
18	Inverse Eigenmode Method for Identifying and Locating Added Mass in Mechanically Diverse Coupled Microresonantor Arrays. , 2011, , .		0

#	Article	IF	Citations
19	Micro vibrometry measurements of a subordinate oscillator array. , 2014, , .		0
20	Characterization of marine seismic survey inter-pulse sound field in an Arctic shallow-water environment. , 2016, , .		0
21	Timeâ€domain chemical vapour mass sensor using a functionalized subordinate array. Medical Devices & Sensors, 2020, 3, e10062.	2.7	0