

# John A Judge

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Time-domain chemical vapour mass sensor using a functionalized subordinate array. <i>Medical Devices &amp; Sensors</i> , 2020, 3, e10062.	2.7	0
2	Sonar inter-ping noise field characterization during cetacean behavioral response studies off Southern California. <i>Acoustical Physics</i> , 2017, 63, 204-215.	1.0	3
3	Characterization of marine seismic survey inter-pulse sound field in an Arctic shallow-water environment. , 2016, , .		0
4	Inter-ping sound field from a simulated mid-frequency active sonar, and its implication to marine mammal tonal masking. <i>Proceedings of Meetings on Acoustics</i> , 2016, , .	0.3	2
5	Mode-shape-based mass detection scheme using mechanically diverse, indirectly coupled microresonator arrays. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	11
6	Micro vibrometry measurements of a subordinate oscillator array. , 2014, , .		0
7	Impact of mass ratio and bandwidth on apparent damping of a harmonic oscillator with subordinate oscillator array. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	1
8	Noise sensitivity of a mass detection method using vibration modes of coupled microcantilever arrays. <i>Applied Physics Letters</i> , 2012, 101, 043104.	3.3	14
9	Synthetic Aperture Imaging of Surface Laid Targets by Sound. <i>Sensing and Imaging</i> , 2012, 13, 55-65.	1.5	1
10	Inverse Eigenmode Method for Identifying and Locating Added Mass in Mechanically Diverse Coupled Microresonator Arrays. , 2011, , .		0
11	Considerations for Use of Square-Paddle Resonators for Arrays of Micro- and Nanoscale Devices. , 2009, , .		3
12	Shaping of a system's frequency response using an array of subordinate oscillators. <i>Journal of the Acoustical Society of America</i> , 2009, 126, 129-139.	1.1	23
13	Experimental Mistuning Identification in Bladed Disks Using a Component-Mode-Based Reduced-Order Model. <i>AIAA Journal</i> , 2009, 47, 1277-1287.	2.6	45
14	Architectural considerations of micro- and nanoresonators for mass detection in the presence of a fluid. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	13
15	Dissipation from microscale and nanoscale beam resonators into a surrounding fluid. <i>Applied Physics Letters</i> , 2008, 92, 124102.	3.3	15
16	Attachment loss of micromechanical and nanomechanical resonators in the limits of thick and thin support structures. <i>Journal of Applied Physics</i> , 2007, 101, 013521.	2.5	89
17	Effect of viscous loss on mechanical resonators designed for mass detection. <i>Applied Physics Letters</i> , 2006, 88, 041921.	3.3	79
18	Analytic and laser vibrometry study of squeeze film damping of MEMS cantilevers. , 2006, , .		2

#	ARTICLE	IF	CITATIONS
19	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
20	Attachment losses of high Q oscillators. Applied Physics Letters, 2004, 85, 482-484.	3.3	166
21	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