J Woodhouse

List of Publications by Year in descending order

39 papers	3,200 citations	201385 27 h-index	301761 39 g-index
39 all docs	39 docs citations	39 times ranked	1605 citing authors

#	Article	IF	Citations
1	Wave propagation in two-dimensional periodic lattices. Journal of the Acoustical Society of America, 2006, 119, 1995-2005.	0.5	544
2	On the oscillations of musical instruments. Journal of the Acoustical Society of America, 1983, 74, 1325-1345.	0.5	261
3	LINEAR DAMPING MODELS FOR STRUCTURAL VIBRATION. Journal of Sound and Vibration, 1998, 215, 547-569.	2.1	222
4	Vibration isolation from irregularity in a nearly periodic structure: Theory and measurements. Journal of the Acoustical Society of America, 1983, 74, 894-905.	0.5	219
5	IDENTIFICATION OF DAMPING: PART 1, VISCOUS DAMPING. Journal of Sound and Vibration, 2001, 243, 43-61.	2.1	193
6	Sound transmission through lightweight double-leaf partitions: theoretical modelling. Journal of Sound and Vibration, 2005, 286, 817-847.	2.1	168
7	IDENTIFICATION OF DAMPING: PART 2, NON-VISCOUS DAMPING. Journal of Sound and Vibration, 2001, 243, 63-88.	2.1	129
8	On measuring the elastic and damping constants of orthotropic sheet materials. Acta Metallurgica, 1988, 36, 1397-1416.	2.1	116
9	Enhancing Parametric Sensitivity in Electrically Coupled MEMS Resonators. Journal of Microelectromechanical Systems, 2009, 18, 1077-1086.	1.7	116
10	Theories of noise and vibration transmission in complex structures. Reports on Progress in Physics, 1986, 49, 107-170.	8.1	106
11	Ultrasensitive mode-localized mass sensor with electrically tunable parametric sensitivity. Applied Physics Letters, 2010, 96, .	1.5	95
12	Viscous damping identification in linear vibration. Journal of Sound and Vibration, 2007, 303, 475-500.	2.1	94
13	An approach to the theoretical background of statistical energy analysis applied to structural vibration. Journal of the Acoustical Society of America, 1981, 69, 1695-1709.	0.5	89
14	Stickâ€“slip motion in the atomic force microscope. Tribology Letters, 1998, 5, 155-160.	1.2	78
15	Limits to mode-localized sensing using micro- and nanomechanical resonator arrays. Journal of Applied Physics, 2011, 109, .	1.1	71
16	An introduction to statistical energy analysis of structural vibration. Applied Acoustics, 1981, 14, 455-469.	1.7	62
17	The low frequency vibration of a ribbed cylinder, Part 1: Theory. Journal of Sound and Vibration, 1985, 101, 219-235.	2.1	59
18	The influence of cell geometry on the elasticity of softwood. Journal of Materials Science, 1994, 29, 1250-1259.	1.7	58

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19	Quantification of non-viscous damping in discrete linear systems. Journal of Sound and Vibration, 2003, 260, 499-518.	2.1	54
20	Confinement of vibration by one-dimensional disorder, I: Theory of ensemble averaging. Journal of Sound and Vibration, 1989, 130, 237-251.	2.1	50
21	Characterization and deformation response of orthotropic fibre networks with auxetic out-of-plane behaviour. Acta Materialia, 2014, 66, 326-339.	3.8	39
22	The low frequency vibration of a ribbed cylinder, Part 2: Observations and interpretation. Journal of Sound and Vibration, 1985, 101, 237-256.	2.1	32
23	The vibration damping of laminated plates. Composites Part A: Applied Science and Manufacturing, 1997, 28, 1007-1012.	3.8	32
24	Experimental identification of viscous damping in linear vibration. Journal of Sound and Vibration, 2009, 319, 832-849.	2.1	32
25	Confinement of vibration by one-dimensional disorder, II: A numerical experiment on different ensemble averages. Journal of Sound and Vibration, 1989, 130, 253-268.	2.1	30
26	IDENTIFICATION OF DAMPING: PART 3, SYMMETRY-PRESERVING METHODS. Journal of Sound and Vibration, 2002, 251, 477-490.	2.1	29
27	Measurement of coupling loss factors by matrix fitting: An investigation of numerical procedures. Applied Acoustics, 1987, 22, 47-69.	1.7	28
28	Instability of systems with a frictional point contact. Part 2: model extensions. Journal of Sound and Vibration, 2004, 271, 391-410.	2.1	28
29	Shock amplification, curve veering and the role of damping. Journal of Sound and Vibration, 2014, 333, 1379-1389.	2.1	26
30	INVESTIGATION OF DAMPING EFFECTS ON STATISTICAL ENERGY ANALYSIS OF COUPLED STRUCTURES. Journal of Sound and Vibration, 1996, 197, 351-371.	2.1	25
31	Reconstruction of bowing point friction force in a bowed string. Journal of the Acoustical Society of America, 2000, 108, 357-368.	0.5	23
32	The transient behaviour of models of bowedâ€string motion. Chaos, 1995, 5, 509-523.	1.0	21
33	Interpreting the Input Admittance of Violins and Guitars. Acta Acustica United With Acustica, 2012, 98, 611-628.	0.8	21
34	IDENTIFICATION OF DAMPING: PART 4, ERROR ANALYSIS. Journal of Sound and Vibration, 2002, 251, 491-504.	2.1	19
35	Computer modelling of violin playing. Contemporary Physics, 1995, 36, 79-92.	0.8	13
36	Physical consequences of a nonparametric uncertainty model in structural dynamics. Journal of Sound and Vibration, 2012, 331, 5469-5487.	2.1	13

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37	Friction and the bowed string. Wear, 1986, 113, 175-182.	1.5	3
38	Power-Flow Analysis of Quasi-One-Dimensional Systems with Distributed Coupling. Solid Mechanics and Its Applications, 1999, , 163-174.	0.1	1
39	Space-time visualization of vibration of a ribbed cylinder. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2000, 214, 1259-1271.	1.1	1