

J D Maynard

List of Publications by Year in descending order

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14
papers

1,703
citations

1039406

9
h-index

1058022

14
g-index

18
all docs

18
docs citations

18
times ranked

627
citing authors

#	ARTICLE	IF	CITATIONS
1	Using resonance to measure the independent elastic constants of problematic materials such as elastomers. JASA Express Letters, 2021, 1, .	0.5	1
2	Eigenfunction orthogonality for one-dimensional acoustic systems with interior or end point conditions. Journal of the Acoustical Society of America, 2020, 148, 627-648.	0.5	0
3	Measuring elastic constants of arbitrarily shaped samples using resonant ultrasound spectroscopy. Journal of the Acoustical Society of America, 2012, 131, 2068-2078.	0.5	31
4	Experimental measurement of the elastic constants of GdScO ₃ via resonant ultrasound spectroscopy utilizing ab initio calculations. Applied Physics Letters, 2008, 92, 111915.	1.5	11
5	Title is missing!. Journal of Low Temperature Physics, 1998, 110, 949-962.	0.6	4
6	The use of piezoelectric film and ultrasound resonance to determine the complete elastic tensor in one measurement. Journal of the Acoustical Society of America, 1992, 91, 1754-1762.	0.5	81
7	A new resonant photoacoustic technique for measuring very low optical absorption in crystals and glasses. Journal of the Acoustical Society of America, 1992, 91, 868-877.	0.5	10
8	Digital holographic reconstruction of sources with arbitrarily shaped surfaces. Journal of the Acoustical Society of America, 1989, 85, 588-598.	0.5	190
9	Effects of quasiperiodic (Penrose tile) symmetry on the eigenvalues and eigenfunctions of the wave equation. IBM Journal of Research and Development, 1989, 33, 456-463.	3.2	2
10	Nearfield acoustic holography (NAH) II. Holographic reconstruction algorithms and computer implementation. Journal of the Acoustical Society of America, 1987, 81, 1307-1322.	0.5	243
11	Nearfield acoustic holography: I. Theory of generalized holography and the development of NAH. Journal of the Acoustical Society of America, 1985, 78, 1395-1413.	0.5	776
12	Numerical evaluation of the Rayleigh integral for planar radiators using the FFT. Journal of the Acoustical Society of America, 1982, 72, 2020-2030.	0.5	125
13	A/D converter sampling rate multiplier. Review of Scientific Instruments, 1981, 52, 304-306.	0.6	1
14	Sound source reconstructions using a microphone array. Journal of the Acoustical Society of America, 1980, 68, 340-344.	0.5	226