Jin H Huang

List of Publications by Year
in descending order

39	981	933447 10	434195 31
papers	citations	h-index	g-index

39	39	39	537
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The analysis of piezoelectric/piezomagnetic composite materials containing ellipsoidal inclusions. Journal of Applied Physics, 1997, 81, 1378-1386.	2.5	335
2	Electroelastic Eshelby tensors for an ellipsoidal piezoelectric inclusion. Composites Part B: Engineering, 1994, 4, 1169-1182.	0.6	131
3	Magneto-electro-elastic Eshelby tensors for a piezoelectric-piezomagnetic composite reinforced by ellipsoidal inclusions. Journal of Applied Physics, 1998, 83, 5364-5370.	2.5	131
4	Post-buckling analysis of functionally graded rectangular plates. Composite Structures, 2007, 81, 1-10.	5.8	100
5	Nonlinear thermal effects on high-speed spindle bearings subjected to preload. Tribology International, 2016, 96, 361-372.	5.9	56
6	Magnetoelectricity of Multiferroic Composites. Ferroelectrics, 2002, 280, 153-163.	0.6	28
7	Electroacoustic simulation and experiment on a miniature loudspeaker for cellular phones. Journal of Applied Physics, 2008, 103, .	2.5	22
8	Dynamic electromechanical response of piezoelectric plates as sensors or actuators. Materials Letters, 2000, 46, 70-80.	2.6	16
9	An ellipsoidal inclusion or crack in orthotropic piezoelectric media. Journal of Applied Physics, 1995, 78, 6491-6503.	2.5	15
10	Nonlinear dynamic analysis of composite laminated plates containing spatially oriented short fibers. International Journal of Solids and Structures, 2004, 41, 365-384.	2.7	15
11	Optimizing material properties of composite plates for sound transmission problem. Journal of Sound and Vibration, 2015, 335, 174-186.	3.9	11
12	Dispersion relations and modes of wave propagation in inclusion-reinforced composite plates. Composites Part B: Engineering, 2012, 43, 1649-1657.	12.0	10
13	Dynamic analysis of laminated plates containing randomly oriented reinforcements. Composites Part A: Applied Science and Manufacturing, 2001, 32, 1573-1582.	7.6	9
14	Parametric analysis for a miniature loudspeaker used in cellular phones. Journal of Applied Physics, 2008, 104, 104905.	2.5	9
15	Insert earphone modeling and measurement by IEC-60711 coupler. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 461-469.	3.0	8
16	Earbud-type earphone modeling and measurement by head and torso simulator. Applied Acoustics, 2012, 73, 461-469.	3.3	8
17	Fracture criteria for piezoelectric materials containing multiple cracks. Journal of Applied Physics, 1999, 85, 6695-6703.	2.5	6
18	Transient dynamic responses of a cracked solid subjected to in-plane loadings. International Journal of Solids and Structures, 2003, 40, 4925-4940.	2.7	6

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19	Second-harmonic generation of practical Bessel beams. Journal of Sound and Vibration, 2009, 328, 148-155.	3.9	6
20	Numerical and experimental analysis of harmonic distortion in a moving-coil loudspeaker. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 1902-1915.	3.3	6
21	Recent Results on the Elasticity Theory of Inclusions. Applied Mechanics Reviews, 1994, 47, S10-S17.	10.1	5
22	BOUNDARY ELEMENT METHOD INTERIOR STRESS/STRAIN ANALYSIS FOR TWO-DIMENSIONAL STATIC THERMOELASTICITY INVOLVING NONUNIFORM VOLUME HEAT SOURCES. Journal of Thermal Stresses, 2005, 28, 363-390.	2.0	5
23	Emulation of junction field-effect transistors for real-time audio applications. IEICE Electronics Express, 2016, 13, 20160288-20160288.	0.8	5
24	Analyzing characteristics of high-speed spindle bearing under constant preload. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2018, 232, 568-581.	1.8	5
25	Magnetoelectricity of Multiferroic Composites. Ferroelectrics, 2002, 280, 153-163.	0.6	5
26	Electromechanical responses of optical fibers with piezoelectric coatings. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2006, 29, 893-902.	1.1	4
27	Electroelastic Response of a Laminated Composite Plate with Piezoelectric Sensors and Actuators. Journal of Engineering Mechanics - ASCE, 2006, 132, 889-897.	2.9	4
28	Effects of porous materials in an insert earphone on its frequency response -experiments and simulations. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 2537-47.	3.0	4
29	Fault detection in water pumps based on sound analysis using a deep learning technique. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892110393.	2.5	4
30	Electromechanical Analysis of a Piezoelectric Beam Used to Drive a Torsional Microactuator. Journal of Intelligent Material Systems and Structures, 2007, 18, 543-553.	2.5	3
31	One-dimensional model for axial thermal error in a micro high-speed spindle. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 3781-3793.	2.1	3
32	Magnetic Motor Nonlinearity Modifications for Total Harmonic Distortion Improvement of an Elliptical Miniature Loudspeaker. IEEE Transactions on Magnetics, 2012, 48, 4811-4814.	2.1	2
33	Response to â€œComment on â€˜The analysis of piezoelectric/piezomagnetic composite materials containing ellipsoidal inclusionsâ€™â€‰â€•[J. Appl. Phys. 82, 5268 (1997)]. Journal of Applied Physics, 1997, 82, 5270-5270.	2.5	1
34	Fracture analysis of piezoelectric materials with flat ellipsoidal cracks. Materials Letters, 2002, 57, 481-489.	2.6	1
35	Nonlinear parameters identification of moving coil miniature loudspeakers. , 2017, , .		1
36	Structural Modifications of Headphone Front Chamber for Better Frequency Response: Experimental and Simulation Studies. Acoustics Australia, 2021, 49, 69-82.	2.4	1

#	Article	IF	Citations
37	Failure criteria for multiply flawed anisotropic materials. Journal of Materials Science, 1999, 34, 4665-4670.	3.7	0
38	Preventing damage to miniature-loudspeaker by means of dynamic detection of excessive diaphragm displacement. Journal of the Acoustical Society of America, 2017, 141, 1615-1626.	1.1	0
39	Pointing control design based on the PID type-III control loop for two-axis gimbal systems. Sensors and Actuators A: Physical, 2021, 332, 112914.	4.1	0