

Li Cheng

List of Publications by Year in descending order

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403
papers

11,282
citations

31976

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81
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418
all docs

418
docs citations

418
times ranked

6962
citing authors

#	ARTICLE	IF	CITATIONS
1	Development in vibration-based structural damage detection technique. <i>Mechanical Systems and Signal Processing</i> , 2007, 21, 2198-2211.	8.0	478
2	Magnetorheological fluid dampers: A review on structure design and analysis. <i>Journal of Intelligent Material Systems and Structures</i> , 2012, 23, 839-873.	2.5	311
3	Learning Graph Matching. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2009, 31, 1048-1058.	13.9	278
4	Characterization of acoustic black hole effect using a one-dimensional fully-coupled and wavelet-decomposed semi-analytical model. <i>Journal of Sound and Vibration</i> , 2016, 374, 172-184.	3.9	163
5	Vibration isolation via a scissor-like structured platform. <i>Journal of Sound and Vibration</i> , 2014, 333, 2404-2420.	3.9	162
6	IDRiD: Diabetic Retinopathy " Segmentation and Grading Challenge. <i>Medical Image Analysis</i> , 2020, 59, 101561.	11.6	162
7	Deep Learning for Visual Tracking: A Comprehensive Survey. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 3943-3968.	8.0	152
8	Synthesizing retinal and neuronal images with generative adversarial nets. <i>Medical Image Analysis</i> , 2018, 49, 14-26.	11.6	141
9	Acousto-ultrasonics-based fatigue damage characterization: Linear versus nonlinear signal features. <i>Mechanical Systems and Signal Processing</i> , 2014, 45, 225-239.	8.0	136
10	Efficient Hand Pose Estimation from a Single Depth Image. , 2013, , .		134
11	Modeling nonlinearities of ultrasonic waves for fatigue damage characterization: Theory, simulation, and experimental validation. <i>Ultrasonics</i> , 2014, 54, 770-778.	3.9	132
12	Beneficial performance of a quasi-zero-stiffness vibration isolator with time-delayed active control. <i>International Journal of Mechanical Sciences</i> , 2014, 82, 32-40.	6.7	122
13	Broadband locally resonant band gaps in periodic beam structures with embedded acoustic black holes. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	114
14	In situ health monitoring for bogie systems of CRH380 train on Beijing"Shanghai high-speed railway. <i>Mechanical Systems and Signal Processing</i> , 2014, 45, 378-395.	8.0	110
15	Sound absorption of a micro-perforated panel backed by an irregular-shaped cavity. <i>Journal of the Acoustical Society of America</i> , 2010, 127, 238-246.	1.1	108
16	Human Action Segmentation and Recognition Using Discriminative Semi-Markov Models. <i>International Journal of Computer Vision</i> , 2011, 93, 22-32.	15.6	105
17	A semi-active metamaterial beam with electromagnetic quasi-zero-stiffness resonators for ultralow-frequency band gap tuning. <i>International Journal of Mechanical Sciences</i> , 2020, 176, 105548.	6.7	101
18	Free vibration analysis of a cylindrical shell" circular plate system with general coupling and various boundary conditions. <i>Journal of Sound and Vibration</i> , 1992, 155, 231-247.	3.9	100

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19	Fusion of Magnetic and Visual Sensors for Indoor Localization: Infrastructure-Free and More Effective. IEEE Transactions on Multimedia, 2017, 19, 874-888.	7.2	100
20	Pose Estimation from Line Correspondences: A Complete Analysis and a Series of Solutions. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 1209-1222.	13.9	99
21	Identification of damage locations for plate-like structures using damage sensitive indices: strain modal approach. Computers and Structures, 2002, 80, 1881-1894.	4.4	97
22	Enhanced Acoustic Black Hole effect in beams with a modified thickness profile and extended platform. Journal of Sound and Vibration, 2017, 391, 116-126.	3.9	91
23	Lie-X: Depth Image Based Articulated Object Pose Estimation, Tracking, and Action Recognition on Lie Groups. International Journal of Computer Vision, 2017, 123, 454-478.	15.6	89
24	Real-Time Discriminative Background Subtraction. IEEE Transactions on Image Processing, 2011, 20, 1401-1414.	9.8	86
25	Evaluation of fatigue cracks using nonlinearities of acousto-ultrasonic waves acquired by an active sensor network. Smart Materials and Structures, 2013, 22, 015018.	3.5	83
26	Anterior Segment Optical Coherence Tomography Parameters in Subtypes of Primary Angle Closure. , 2013, 54, 5281.		80
27	Enhancement of vibration based energy harvesting using compound acoustic black holes. Mechanical Systems and Signal Processing, 2019, 132, 441-456.	8.0	80
28	Supervised Segmentation of Un-Annotated Retinal Fundus Images by Synthesis. IEEE Transactions on Medical Imaging, 2019, 38, 46-56.	8.9	79
29	Ultrawide band gaps in beams with double-leaf acoustic black hole indentations. Journal of the Acoustical Society of America, 2017, 142, 2802-2807.	1.1	77
30	Predicting delamination of composite laminates using an imaging approach. Smart Materials and Structures, 2009, 18, 074002.	3.5	75
31	A Graph-Theoretical Approach for Tracing Filamentary Structures in Neuronal and Retinal Images. IEEE Transactions on Medical Imaging, 2016, 35, 257-272.	8.9	75
32	Periodic plates with tunneled Acoustic-Black-Holes for directional band gap generation. Mechanical Systems and Signal Processing, 2019, 133, 106257.	8.0	74
33	The transmissibility of vibration isolators with cubic nonlinear damping under both force and base excitations. Journal of Sound and Vibration, 2013, 332, 1335-1354.	3.9	73
34	An Optimal PID Control Algorithm for Training Feedforward Neural Networks. IEEE Transactions on Industrial Electronics, 2013, 60, 2273-2283.	7.9	73
35	Energy transmission in a mechanically-linked double-wall structure coupled to an acoustic enclosure. Journal of the Acoustical Society of America, 2005, 117, 2742-2751.	1.1	72
36	Quantitative evaluation of orientation-specific damage using elastic waves and probability-based diagnostic imaging. Mechanical Systems and Signal Processing, 2011, 25, 2135-2156.	8.0	71

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37	A resonant beam damper tailored with Acoustic Black Hole features for broadband vibration reduction. <i>Journal of Sound and Vibration</i> , 2018, 430, 174-184.	3.9	70
38	Probability-based diagnostic imaging using hybrid features extracted from ultrasonic Lamb wave signals. <i>Smart Materials and Structures</i> , 2011, 20, 125005.	3.5	69
39	Investigations on flexural wave propagation and attenuation in a modified one-dimensional acoustic black hole using a laser excitation technique. <i>Mechanical Systems and Signal Processing</i> , 2018, 104, 19-35.	8.0	69
40	Systematic design and realization of double-negative acoustic metamaterials by topology optimization. <i>Acta Materialia</i> , 2019, 172, 102-120.	7.9	69
41	Towards Natural and Accurate Future Motion Prediction of Humans and Animals. , 2019, , .		68
42	Too Far to See? Not Really!â€”Pedestrian Detection With Scale-Aware Localization Policy. <i>IEEE Transactions on Image Processing</i> , 2018, 27, 3703-3715.	9.8	67
43	Closed-loop-controlled vortex shedding and vibration of a flexibly supported square cylinder under different schemes. <i>Physics of Fluids</i> , 2004, 16, 1439-1448.	4.0	66
44	A 2D Daubechies wavelet model on the vibration of rectangular plates containing strip indentations with a parabolic thickness profile. <i>Journal of Sound and Vibration</i> , 2018, 429, 130-146.	3.9	65
45	Programmable gear-based mechanical metamaterials. <i>Nature Materials</i> , 2022, 21, 869-876.	27.5	65
46	Perturbed interaction between vortex shedding and induced vibration. <i>Journal of Fluids and Structures</i> , 2003, 17, 887-901.	3.4	64
47	Artificial Neural Network (ANN)-based Crack Identification in Aluminum Plates with Lamb Wave Signals. <i>Journal of Intelligent Material Systems and Structures</i> , 2009, 20, 39-49.	2.5	64
48	Sound radiation and transonic boundaries of a plate with an acoustic black hole. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 164-172.	1.1	64
49	Tunable acoustic metamaterial with an array of resonators actuated by dielectric elastomer. <i>Extreme Mechanics Letters</i> , 2017, 12, 37-40.	4.1	61
50	Analysis of ray trajectories of flexural waves propagating over generalized acoustic black hole indentations. <i>Journal of Sound and Vibration</i> , 2018, 417, 216-226.	3.9	60
51	Determination of dynamic strain profile and delamination detection of composite structures using embedded multiplexed fibre-optic sensors. <i>Composite Structures</i> , 2004, 66, 317-326.	5.8	59
52	Numerical analysis of multi-layer composite plates with internal delamination. <i>Computers and Structures</i> , 2004, 82, 627-637.	4.4	58
53	Dynamic and Static Properties of Double-Layered Compound Acoustic Black Hole Structures. <i>International Journal of Applied Mechanics</i> , 2017, 09, 1750074.	2.2	58
54	A retinal vessel boundary tracking method based on Bayesian theory and multi-scale line detection. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 517-525.	5.8	56

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55	Wave Energy Focalization in a Plate With Imperfect Two-Dimensional Acoustic Black Hole Indentation. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2016, 138, .	1.6	56
56	Viability of using an embedded FBG sensor in a composite structure for dynamic strain measurement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2006, 39, 328-334.	5.0	54
57	A multi-scale pseudo-force model in wavelet domain for identification of damage in structural components. <i>Mechanical Systems and Signal Processing</i> , 2012, 28, 638-659.	8.0	54
58	Semi-supervised Domain Adaptation on Manifolds. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014, 25, 2240-2249.	11.3	54
59	A numerical investigation on the sound insulation of ventilation windows. <i>Applied Acoustics</i> , 2017, 117, 113-121.	3.3	54
60	Topological optimization of damping layout for minimized sound radiation of an acoustic black hole plate. <i>Journal of Sound and Vibration</i> , 2019, 458, 349-364.	3.9	54
61	Noise reduction inside a cavity coupled to a flexible plate with embedded 2-D acoustic black holes. <i>Journal of Sound and Vibration</i> , 2019, 455, 324-338.	3.9	53
62	Fluid-Structural Coupling Of A Plate-Ended Cylindrical Shell: Vibration And Internal Sound Field. <i>Journal of Sound and Vibration</i> , 1994, 174, 641-654.	3.9	52
63	Vibro-acoustic analysis of a rectangular-like cavity with a tilted wall. <i>Applied Acoustics</i> , 2007, 68, 739-751.	3.3	52
64	On Selection of Data Fusion Schemes for Structural Damage Evaluation. <i>Structural Health Monitoring</i> , 2009, 8, 223-241.	7.5	52
65	Subgrouping of Primary Angle-Closure Suspects Based on Anterior Segment Optical Coherence Tomography Parameters. <i>Ophthalmology</i> , 2013, 120, 2525-2531.	5.2	52
66	Impaired sound radiation in plates with periodic tunneled Acoustic Black Holes. <i>Mechanical Systems and Signal Processing</i> , 2020, 135, 106410.	8.0	52
67	A novel imaging method for quantitative Golgi localization reveals differential intra-Golgi trafficking of secretory cargoes. <i>Molecular Biology of the Cell</i> , 2016, 27, 848-861.	2.1	51
68	Customized broadband pentamode metamaterials by topology optimization. <i>Journal of the Mechanics and Physics of Solids</i> , 2021, 152, 104407.	4.8	50
69	Embedded fibre Bragg grating sensors for non-uniform strain sensing in composite structures. <i>Measurement Science and Technology</i> , 2005, 16, 2415-2424.	2.6	49
70	Detection of internal delamination in multi-layer composites using wavelet packets combined with modal parameter analysis. <i>Composite Structures</i> , 2004, 64, 377-387.	5.8	48
71	Identification of corrosion damage in submerged structures using fundamental anti-symmetric Lamb waves. <i>Smart Materials and Structures</i> , 2010, 19, 015004.	3.5	48
72	Power flow and structural intensity analyses of Acoustic Black Hole beams. <i>Mechanical Systems and Signal Processing</i> , 2019, 131, 538-553.	8.0	47

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73	Multi-damage localization on large complex structures through an extended delay-and-sum based method. Structural Health Monitoring, 2016, 15, 50-64.	7.5	46
74	Dynamic vibration absorbers for vibration control within a frequency band. Journal of Sound and Vibration, 2011, 330, 1582-1598.	3.9	45
75	Myopia in Asian Subjects with Primary Angle Closure. Ophthalmology, 2014, 121, 1566-1571.	5.2	45
76	Achromatic metasurfaces by dispersion customization for ultra-broadband acoustic beam engineering. National Science Review, 2022, 9, .	9.5	45
77	Learning to compress images and videos. , 2007, , .		44
78	Acoustically coupled model of an enclosure and a Helmholtz resonator array. Journal of Sound and Vibration, 2007, 305, 272-288.	3.9	44
79	Hybrid silencers with micro-perforated panels and internal partitions. Journal of the Acoustical Society of America, 2015, 137, 951-962.	1.1	44
80	On the sound insulation of acoustic metasurface using a sub-structuring approach. Journal of Sound and Vibration, 2017, 401, 190-203.	3.9	44
81	Radiation of sound into a cylindrical enclosure from a point-driven end plate with general boundary conditions. Journal of the Acoustical Society of America, 1992, 91, 1504-1513.	1.1	43
82	FREE AND FORCED VIBRATION OF A CYLINDRICAL SHELL WITH A FLOOR PARTITION. Journal of Sound and Vibration, 1996, 190, 21-40.	3.9	43
83	Learning Graph Matching. , 2007, , .		43
84	A vibration absorber based on two-dimensional acoustic black holes. Journal of Sound and Vibration, 2021, 500, 116024.	3.9	43
85	Identification of structural damage based on locally perturbed dynamic equilibrium with an application to beam component. Journal of Sound and Vibration, 2011, 330, 5963-5981.	3.9	42
86	Vibration analysis of annular-like plates. Journal of Sound and Vibration, 2003, 262, 1153-1170.	3.9	41
87	Hybrid noise control in a duct using a light micro-perforated plate. Journal of the Acoustical Society of America, 2012, 132, 3778-3787.	1.1	41
88	Wave trapping by acoustic black hole: Simultaneous reduction of sound reflection and transmission. Applied Physics Letters, 2021, 118, .	3.3	41
89	Ultra-thin and broadband low-frequency underwater acoustic meta-absorber. International Journal of Mechanical Sciences, 2021, 210, 106732.	6.7	41
90	Fibre optic sensors for delamination identification in composite beams using a genetic algorithm. Smart Materials and Structures, 2005, 14, 287-295.	3.5	40

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91	Simultaneous strain and temperature measurement using a highly birefringence fiber loop mirror and a long-period grating written in a photonic crystal fiber. <i>Optics Communications</i> , 2009, 282, 4077-4080.	2.1	40
92	Absorption of oblique incidence sound by a finite micro-perforated panel absorber. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 201-209.	1.1	39
93	Duct noise attenuation using reactive silencer with various internal configurations. <i>Journal of Sound and Vibration</i> , 2015, 335, 229-244.	3.9	39
94	Segment 2D and 3D Filaments by Learning Structured and Contextual Features. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 596-606.	8.9	39
95	Sound transmission through a periodic acoustic metamaterial grating. <i>Journal of Sound and Vibration</i> , 2019, 449, 140-156.	3.9	39
96	Multi-Sensor and Decision-Level Fusion-Based Structural Damage Detection Using a One-Dimensional Convolutional Neural Network. <i>Sensors</i> , 2021, 21, 3950.	3.8	39
97	Sound absorption of microperforated panels inside compact acoustic enclosures. <i>Journal of Sound and Vibration</i> , 2016, 360, 140-155.	3.9	38
98	New nonlinear ultrasonic method for material characterization: Codirectional shear horizontal guided wave mixing in plate. <i>Ultrasonics</i> , 2019, 96, 64-74.	3.9	38
99	Quantitative 3D analysis of complex single border cell behaviors in coordinated collective cell migration. <i>Nature Communications</i> , 2017, 8, 14905.	12.8	37
100	Robust 2D/3D multi-polar acoustic metamaterials with broadband double negativity. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 137, 103889.	4.8	37
101	Concrete Crack Detection Based on Well-Known Feature Extractor Model and the YOLO_v2 Network. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 813.	2.5	37
102	Design of a dynamic vibration absorber for vibration isolation of beams under point or distributed loading. <i>Journal of Sound and Vibration</i> , 2007, 301, 898-908.	3.9	36
103	Modifications of acoustic modes and coupling due to a leaning wall in a rectangular cavity. <i>Journal of the Acoustical Society of America</i> , 2004, 116, 3312-3318.	1.1	35
104	Sound radiation of orthogonally stiffened laminated composite plates under airborne and structure borne excitations. <i>Composites Science and Technology</i> , 2013, 84, 51-57.	7.8	35
105	Modelling nonlinearity of guided ultrasonic waves in fatigued materials using a nonlinear local interaction simulation approach and a spring model. <i>Ultrasonics</i> , 2018, 84, 272-289.	3.9	34
106	A combined integro-modal approach for predicting acoustic properties of irregular-shaped cavities. <i>Journal of the Acoustical Society of America</i> , 1997, 101, 3313-3321.	1.1	33
107	Nondestructive Detection of Internal Delamination by Vibration-based Method for Composite Plates. <i>Journal of Composite Materials</i> , 2004, 38, 2183-2198.	2.4	33
108	Integrated Foreground Segmentation and Boundary Matting for Live Videos. <i>IEEE Transactions on Image Processing</i> , 2015, 24, 1356-1370.	9.8	33

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109	Vibroacoustic modeling of an acoustic resonator tuned by dielectric elastomer membrane with voltage control. <i>Journal of Sound and Vibration</i> , 2017, 387, 114-126.	3.9	33
110	Optimal design of a beam-based dynamic vibration absorber using fixed-points theory. <i>Journal of Sound and Vibration</i> , 2018, 421, 111-131.	3.9	33
111	Complete sub-wavelength flexural wave band gaps in plates with periodic acoustic black holes. <i>Journal of Sound and Vibration</i> , 2021, 502, 116102.	3.9	33
112	A nonlinear metamaterial plate for suppressing vibration and sound radiation. <i>International Journal of Mechanical Sciences</i> , 2022, 228, 107473.	6.7	33
113	Title is missing!. <i>Multibody System Dynamics</i> , 2002, 7, 145-170.	2.7	32
114	Modeling and vibration control of a plate coupled with piezoelectric material. <i>Composite Structures</i> , 2003, 62, 155-162.	5.8	32
115	Measurement of guided mode wavenumbers in soft tissueâ€“bone mimicking phantoms using ultrasonic axial transmission. <i>Physics in Medicine and Biology</i> , 2012, 57, 3025-3037.	3.0	32
116	Application of eigenvalue perturbation theory for detecting small structural damage using dynamic responses. <i>Composite Structures</i> , 2007, 78, 402-409.	5.8	31
117	A magnetorheological fluid embedded pneumatic vibration isolator allowing independently adjustable stiffness and damping. <i>Smart Materials and Structures</i> , 2011, 20, 085025.	3.5	31
118	Damage visualization based on local dynamic perturbation: Theory and application to characterization of multi-damage in a plane structure. <i>Journal of Sound and Vibration</i> , 2013, 332, 3438-3462.	3.9	31
119	Broadband and low frequency sound absorption by Sonic black holes with Micro-perforated boundaries. <i>Journal of Sound and Vibration</i> , 2021, 512, 116401.	3.9	31
120	VIBROACOUSTIC ANALYSIS OF A FINITE CYLINDRICAL SHELL WITH INTERNAL FLOOR PARTITION. <i>Journal of Sound and Vibration</i> , 1999, 226, 101-123.	3.9	30
121	Reconstructing interfacial force distribution for identification of multi-debonding in steel-reinforced concrete structures using noncontact laser vibrometry. <i>Structural Health Monitoring</i> , 2013, 12, 507-521.	7.5	30
122	Improving retinal vessel segmentation with joint local loss by matting. <i>Pattern Recognition</i> , 2020, 98, 107068.	8.1	30
123	Frequency attenuation band with low vibration transmission in a finite-size plate strip embedded with 2D acoustic black holes. <i>Mechanical Systems and Signal Processing</i> , 2022, 163, 108149.	8.0	30
124	NARMAX model representation and its application to damage detection for multi-layer composites. <i>Composite Structures</i> , 2005, 68, 109-117.	5.8	29
125	Design optimization of a damped hybrid vibration absorber. <i>Journal of Sound and Vibration</i> , 2012, 331, 750-766.	3.9	29
126	A Quasi-Zero-Stiffness-Based Sensor System in Vibration Measurement. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 5606-5614.	7.9	29

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127	Adhesive nonlinearity in Lamb-wave-based structural health monitoring systems. <i>Smart Materials and Structures</i> , 2017, 26, 025019.	3.5	29
128	Customizing acoustic dirac cones and topological insulators in square lattices by topology optimization. <i>Journal of Sound and Vibration</i> , 2021, 493, 115687.	3.9	29
129	A study of active tonal noise control for a small axial flow fan. <i>Journal of the Acoustical Society of America</i> , 2005, 117, 734-743.	1.1	28
130	Controlled vortex-induced vibration on a fix-supported flexible cylinder in cross-flow. <i>Journal of Sound and Vibration</i> , 2006, 292, 279-299.	3.9	28
131	Modeling of micro-perforated panels in a complex vibro-acoustic environment using patch transfer function approach. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 2118-2130.	1.1	28
132	Sub-chamber optimization for silencer design. <i>Journal of Sound and Vibration</i> , 2015, 351, 57-67.	3.9	28
133	A 3-D Quasi-Zero-Stiffness-Based Sensor System for Absolute Motion Measurement and Application in Active Vibration Control. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 254-262.	5.8	28
134	Reducing interior noise in a cylinder using micro-perforated panels. <i>Applied Acoustics</i> , 2015, 95, 50-56.	3.3	28
135	Wavenumber domain analyses of vibro-acoustic decoupling and noise attenuation in a plate-cavity system enclosed by an acoustic black hole plate. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 72-84.	1.1	28
136	Origami-inspired foldable sound barrier designs. <i>Journal of Sound and Vibration</i> , 2019, 442, 514-526.	3.9	28
137	Numerical and experimental benchmark solutions on vibration and sound radiation of an Acoustic Black Hole plate. <i>Applied Acoustics</i> , 2020, 163, 107223.	3.3	28
138	Reflective Metasurfaces with Multiple Elastic Mode Conversions for Broadband Underwater Sound Absorption. <i>Physical Review Applied</i> , 2022, 17, .	3.8	28
139	ANALYSIS OF STRUCTURAL ACOUSTIC COUPLING OF A CYLINDRICAL SHELL WITH AN INTERNAL FLOOR PARTITION. <i>Journal of Sound and Vibration</i> , 2002, 250, 903-921.	3.9	27
140	Learning to Boost Filamentary Structure Segmentation. , 2015, , .		27
141	Structural damage detections based on a general vibration model identification approach. <i>Mechanical Systems and Signal Processing</i> , 2019, 123, 316-332.	8.0	27
142	Planar Swirl-shaped Acoustic Black Hole Absorbers for Multi-directional Vibration Suppression. <i>Journal of Sound and Vibration</i> , 2022, 516, 116500.	3.9	27
143	Vision-Based Surgical Suture Looping Through Trajectory Planning for Wound Suturing. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019, 16, 542-556.	5.2	26
144	Design and experiment of nonlinear absorber for equal-peak and de-nonlinearity. <i>Journal of Sound and Vibration</i> , 2019, 449, 274-299.	3.9	26

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145	Optimal design of PZT actuators in active structural acoustic control of a cylindrical shell with a floor partition. <i>Journal of Sound and Vibration</i> , 2004, 269, 569-588.	3.9	25
146	A mechanism study of sound wave-trapping barriers. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 1960-1969.	1.1	25
147	Semi-active vibration control based on unsymmetrical synchronized switch damping: Analysis and experimental validation of control performance. <i>Journal of Sound and Vibration</i> , 2016, 370, 1-22.	3.9	25
148	Second-order elastic topological insulator with valley-selective corner states. <i>International Journal of Mechanical Sciences</i> , 2022, 224, 107337.	6.7	25
149	A feasibility study of active vibration isolation using THUNDER actuators. <i>Smart Materials and Structures</i> , 2002, 11, 854-862.	3.5	24
150	FEM modeling method of damage structures for structural damage detection. <i>Composite Structures</i> , 2006, 72, 193-199.	5.8	24
151	Realization of a broadband low-frequency plate silencer using sandwich plates. <i>Journal of Sound and Vibration</i> , 2008, 318, 792-808.	3.9	24
152	Optimal design of control valves in magnetorheological fluid dampers using a nondimensional analytical method. <i>Journal of Intelligent Material Systems and Structures</i> , 2013, 24, 108-129.	2.5	24
153	Modeling vibroacoustic systems involving cascade open cavities and micro-perforated panels. <i>Journal of the Acoustical Society of America</i> , 2014, 136, 659-670.	1.1	24
154	Reconfigurable origami silencers for tunable and programmable sound attenuation. <i>Smart Materials and Structures</i> , 2018, 27, 095007.	3.5	24
155	Impedance-Near-Zero Acoustic Metasurface for Hypersonic Boundary-Layer Flow Stabilization. <i>Physical Review Applied</i> , 2019, 11, .	3.8	23
156	Online Identification of Nonlinear Spatiotemporal Systems Using Kernel Learning Approach. <i>IEEE Transactions on Neural Networks</i> , 2011, 22, 1381-1394.	4.2	22
157	Structured learning of local features for human action classification and localization. <i>Image and Vision Computing</i> , 2012, 30, 1-14.	4.5	22
158	Loss of acoustic black hole effect in a structure of finite size. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	22
159	Estimate Hand Poses Efficiently from Single Depth Images. <i>International Journal of Computer Vision</i> , 2016, 116, 21-45.	15.6	22
160	Identification of complex crack damage for honeycomb sandwich plate using wavelet analysis and neural networks. <i>Smart Materials and Structures</i> , 2003, 12, 661-671.	3.5	21
161	Location optimization of a long T-shaped acoustic resonator array in noise control of enclosures. <i>Journal of Sound and Vibration</i> , 2009, 328, 42-56.	3.9	21
162	Drum-like silencers using magnetic forces in a pressurized cavity. <i>Journal of Sound and Vibration</i> , 2006, 297, 895-915.	3.9	20

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163	A multi-scale pseudo-force model for characterization of damage in beam components with unknown material and structural parameters. <i>Journal of Sound and Vibration</i> , 2013, 332, 5566-5583.	3.9	20
164	A "Pseudo-excitation" approach for structural damage identification: From "Strong" to "Weak" modality. <i>Journal of Sound and Vibration</i> , 2015, 337, 181-198.	3.9	20
165	Simulations and experiments on active vibration control of a plate with integrated piezoceramics. <i>Thin-Walled Structures</i> , 2000, 38, 105-123.	5.3	19
166	Discriminative human action segmentation and recognition using semi-Markov model. , 2008, , .		19
167	Virtual sensors for active noise control in acoustic structural coupled enclosures using structural sensing: Robust virtual sensor design. <i>Journal of the Acoustical Society of America</i> , 2011, 129, 1390-1399.	1.1	19
168	Parameterized Convergence Bounds for Volterra Series Expansion of NARX Models. <i>IEEE Transactions on Signal Processing</i> , 2013, 61, 5026-5038.	5.3	19
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