

Li Cheng

List of Publications by Year in descending order

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403
papers

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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	Deep Learning for Visual Tracking: A Comprehensive Survey. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3943-3968.	8.0	152
2	A critical review of acoustic modeling and research on building façade. Building Acoustics, 2022, 29, 107-134.	1.9	3
3	Planar Swirl-shaped Acoustic Black Hole Absorbers for Multi-directional Vibration Suppression. Journal of Sound and Vibration, 2022, 516, 116500.	3.9	27
4	Frequency attenuation band with low vibration transmission in a finite-size plate strip embedded with 2D acoustic black holes. Mechanical Systems and Signal Processing, 2022, 163, 108149.	8.0	30
5	Two-dimensional scattering features of the mixed second harmonic A0 mode Lamb waves for incipient damage localization. Ultrasonics, 2022, 119, 106554.	3.9	11
6	Thermoacoustic modal instability and its suppression with locally resonant flexible membranes. Combustion and Flame, 2022, 237, 111859.	5.2	4
7	Action2video: Generating Videos of Human 3D Actions. International Journal of Computer Vision, 2022, 130, 285-315.	15.6	6
8	Collision enhanced hyper-damping in nonlinear elastic metamaterial. Chinese Physics B, 2022, 31, 064303.	1.4	3
9	A Circular Eccentric Vibration Absorber With Circumferentially Graded Acoustic Black Hole Features. Journal of Vibration and Acoustics, Transactions of the ASME, 2022, 144, .	1.6	11
10	A tunable hybrid damper with Coulomb friction and electromagnetic shunt damping. Journal of Sound and Vibration, 2022, 524, 116778.	3.9	9
11	Acoustic Black hole effects in Thin-walled structures: Realization and mechanisms. Journal of Sound and Vibration, 2022, 525, 116785.	3.9	18
12	Achromatic metasurfaces by dispersion customization for ultra-broadband acoustic beam engineering. National Science Review, 2022, 9, .	9.5	45
13	Reflective Metasurfaces with Multiple Elastic Mode Conversions for Broadband Underwater Sound Absorption. Physical Review Applied, 2022, 17, .	3.8	28
14	Optimal design of a tunable electromagnetic shunt damper for dynamic vibration absorber. Mechatronics, 2022, 83, 102763.	3.3	8
15	Immunity of the second harmonic shear horizontal waves to adhesive nonlinearity for breathing crack detection. Structural Health Monitoring, 2022, 21, 2340-2353.	7.5	5
16	Metamaterial-enhanced coda wave interferometry with customized artificial frequency-space boundaries for the detection of weak structural damage. Mechanical Systems and Signal Processing, 2022, 174, 109131.	8.0	8
17	Second-order elastic topological insulator with valley-selective corner states. International Journal of Mechanical Sciences, 2022, 224, 107337.	6.7	25
18	Nonlinear features and energy transfer in an Acoustic Black Hole beam through intentional electromechanical coupling. Mechanical Systems and Signal Processing, 2022, 177, 109244.	8.0	15

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19	Achieving ultra-broadband and ultra-low-frequency surface wave bandgaps in seismic metamaterials through topology optimization. <i>Composite Structures</i> , 2022, 295, 115863.	5.8	15
20	A nonlinear metamaterial plate for suppressing vibration and sound radiation. <i>International Journal of Mechanical Sciences</i> , 2022, 228, 107473.	6.7	33
21	Broadband low-frequency sound attenuation in duct with embedded periodic sonic black holes. <i>Journal of Sound and Vibration</i> , 2022, 536, 117138.	3.9	17
22	Programmable gear-based mechanical metamaterials. <i>Nature Materials</i> , 2022, 21, 869-876.	27.5	65
23	Hybrid electromagnetic shunt damper with Coulomb friction and negative impedance converter. <i>International Journal of Mechanical Sciences</i> , 2022, 230, 107552.	6.7	5
24	Sound transmission through a panel with a hybrid active and semi-active control system. <i>Journal of Sound and Vibration</i> , 2022, 536, 117172.	3.9	4
25	Third harmonic shear horizontal waves for material degradation monitoring. <i>Structural Health Monitoring</i> , 2021, 20, 475-483.	7.5	16
26	Acoustic design and analyses of a double Skin Façade system. <i>Applied Acoustics</i> , 2021, 173, 107727.	3.3	2
27	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
28	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
29	Shear-lag modelling of surface-bonded magnetostrictive transducers for shear horizontal wave generation in a non-ferromagnetic plate. <i>Smart Materials and Structures</i> , 2021, 30, 035026.	3.5	8
30	Wave trapping by acoustic black hole: Simultaneous reduction of sound reflection and transmission. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	41
31	Bidirectional Elastic Diode with Frequency-Preserved Nonreciprocity. <i>Physical Review Applied</i> , 2021, 15, .	3.8	13
32	A vibration absorber based on two-dimensional acoustic black holes. <i>Journal of Sound and Vibration</i> , 2021, 500, 116024.	3.9	43
33	Acoustic modelling and analyses of geometrically complex systems with Micro-perforated panels. <i>Journal of Sound and Vibration</i> , 2021, 499, 115995.	3.9	10
34	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
35	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
36	Semi-active links in double-panel noise barriers. <i>Mechanical Systems and Signal Processing</i> , 2021, 154, 107542.	8.0	6

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37	Theoretical analysis of the energy conversion and vibration control characteristics of a slanted beam termination. <i>Meccanica</i> , 2021, 56, 2599-2612.	2.0	0
38	Customized broadband pentamode metamaterials by topology optimization. <i>Journal of the Mechanics and Physics of Solids</i> , 2021, 152, 104407.	4.8	50
39	Calculating Characteristic Roots of Multi-Delayed Systems with Accumulation Points via a Definite Integral Method. <i>Journal of Scientific Computing</i> , 2021, 88, 1.	2.3	0
40	Purified nonlinear guided waves through a metamaterial filter for inspection of material microstructural changes. <i>Smart Materials and Structures</i> , 2021, 30, 095017.	3.5	15
41	Sound absorption based on Micro-perforated panels and Acoustic Black Hole principle. INTER-NOISE and NOISE-CON Congress and Conference Proceedings, 2021, 263, 548-555.	0.1	0
42	A novel semi-active actuator with tunable mass moment of inertia for noise control applications. <i>Journal of Sound and Vibration</i> , 2021, 509, 116244.	3.9	6
43	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
44	Ultra-thin and broadband low-frequency underwater acoustic meta-absorber. <i>International Journal of Mechanical Sciences</i> , 2021, 210, 106732.	6.7	41
45	A light-weight periodic plate with embedded acoustic black holes and bandgaps for broadband sound radiation reduction. <i>Journal of the Acoustical Society of America</i> , 2021, 150, 3532-3543.	1.1	17
46	Partition of Unity Finite Element Method for 2D Vibro-Acoustic Modeling. <i>Journal of Theoretical and Computational Acoustics</i> , 2021, 29, .	1.1	2
47	IDRiD: Diabetic Retinopathy – Segmentation and Grading Challenge. <i>Medical Image Analysis</i> , 2020, 59, 101561.	11.6	162
48	Impaired sound radiation in plates with periodic tunneled Acoustic Black Holes. <i>Mechanical Systems and Signal Processing</i> , 2020, 135, 106410.	8.0	52
49	Improving retinal vessel segmentation with joint local loss by matting. <i>Pattern Recognition</i> , 2020, 98, 107068.	8.1	30
50	An experimental investigation on the acoustic properties of micro-perforated panels in a grazing flow. <i>Applied Acoustics</i> , 2020, 159, 107119.	3.3	6
51	Online comment-based prediction of cosmetic ingredient's sensory irritation using gradient boosting algorithm. <i>Journal of Cosmetic Dermatology</i> , 2020, 19, 1676-1683.	1.6	0
52	Electromechanical Coupling and Energy Conversion in a PZT-Coated Acoustic Black Hole Beam. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050095.	2.2	17
53	Bandgap formation under temperature-induced quasi-periodicity in an acoustic duct with flexible walls. <i>Journal of Sound and Vibration</i> , 2020, 486, 115615.	3.9	12
54	An alternative and optimized thickness profile of an acoustic black hole plate. <i>Journal of Sound and Vibration</i> , 2020, 486, 115619.	3.9	16

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55	Fully Automated Leg Tracking in Freely Moving Insects using Feature Learning Leg Segmentation and Tracking (FLLIT). <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	1
56	Radiation modes and sound radiation from a flexible structure mounted in a duct. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 3465-3475.	1.1	3
57	A Modified Fourier Series Solution for a Thermo-Acoustic Tube with Arbitrary Impedance Boundaries. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050047.	2.2	3
58	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
59	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
60	A local specific stiffness identification method based on a multi-scale weak-formulation. <i>Mechanical Systems and Signal Processing</i> , 2020, 140, 106650.	8.0	8
61	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
62	Acoustic silencing in a flow duct with micro-perforated panel liners. <i>Applied Acoustics</i> , 2020, 167, 107382.	3.3	19
63	Mode-mixing-induced second harmonic A0 mode Lamb wave for local incipient damage inspection. <i>Smart Materials and Structures</i> , 2020, 29, 055020.	3.5	4
64	Vibration attenuation band transition in plate with different placements of 2D acoustic black holes. <i>The Proceedings of the International Conference on Motion and Vibration Control</i> , 2020, 2020.15, 10029.	0.0	0
65	Tunable electromagnetic shunt damper with opposing magnets configuration. <i>Smart Materials and Structures</i> , 2020, 29, 115034.	3.5	7
66	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
67	A fully-coupled dynamic model for the fundamental shear horizontal wave generation in a PZT activated SHM system. <i>Mechanical Systems and Signal Processing</i> , 2019, 116, 916-932.	8.0	14
68	Supervised Segmentation of Un-Annotated Retinal Fundus Images by Synthesis. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 46-56.	8.9	79
69	Fully automated leg tracking of <i>Drosophila</i> neurodegeneration models reveals distinct conserved movement signatures. <i>PLoS Biology</i> , 2019, 17, e3000346.	5.6	16
70	Enhancement of vibration based energy harvesting using compound acoustic black holes. <i>Mechanical Systems and Signal Processing</i> , 2019, 132, 441-456.	8.0	80
71	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
72	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

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73	Mid-to-high frequency piecewise modelling of an acoustic system with varying coupling strength. Mechanical Systems and Signal Processing, 2019, 134, 106312.	8.0	7
74	Periodic plates with tunneled Acoustic-Black-Holes for directional band gap generation. Mechanical Systems and Signal Processing, 2019, 133, 106257.	8.0	74
75	Automated Cell Patterning System with a Microchip using Dielectrophoresis. , 2019, , .		5
76	Structural damage detections based on a general vibration model identification approach. Mechanical Systems and Signal Processing, 2019, 123, 316-332.	8.0	27
77	Power flow and structural intensity analyses of Acoustic Black Hole beams. Mechanical Systems and Signal Processing, 2019, 131, 538-553.	8.0	47
78	Noise reduction inside a cavity coupled to a flexible plate with embedded 2-D acoustic black holes. Journal of Sound and Vibration, 2019, 455, 324-338.	3.9	53
79	Mixed third harmonic shear horizontal wave generation: interaction between primary shear horizontal wave and second harmonic Lamb wave. Smart Materials and Structures, 2019, 28, 085042.	3.5	15
80	Adaptive damage localization based on locally perturbed dynamic equilibrium and hierarchical clustering. Smart Materials and Structures, 2019, 28, 075003.	3.5	5
81	Acoustic impedance of micro-perforated panels in a grazing flow. Journal of the Acoustical Society of America, 2019, 145, 2461-2469.	1.1	19
82	New nonlinear ultrasonic method for material characterization: Codirectional shear horizontal guided wave mixing in plate. Ultrasonics, 2019, 96, 64-74.	3.9	38
83	Systematic design and realization of double-negative acoustic metamaterials by topology optimization. Acta Materialia, 2019, 172, 102-120.	7.9	69
84	Impedance-Near-Zero Acoustic Metasurface for Hypersonic Boundary-Layer Flow Stabilization. Physical Review Applied, 2019, 11, .	3.8	23
85	Design and experiment of nonlinear absorber for equal-peak and de-nonlinearity. Journal of Sound and Vibration, 2019, 449, 274-299.	3.9	26
86	Sound transmission through a periodic acoustic metamaterial grating. Journal of Sound and Vibration, 2019, 449, 140-156.	3.9	39
87	Towards Natural and Accurate Future Motion Prediction of Humans and Animals. , 2019, , .		68
88	Retinal vascular analysis: Segmentation, tracing, and beyond. , 2019, , 95-120.		1
89	Baseline-free adaptive damage localization of plate-type structures by using robust PCA and Gaussian smoothing. Mechanical Systems and Signal Processing, 2019, 122, 232-246.	8.0	18
90	Origami-inspired foldable sound barrier designs. Journal of Sound and Vibration, 2019, 442, 514-526.	3.9	28

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91	High-power microwave propagation properties in the argon plasma array. Plasma Science and Technology, 2019, 21, 015402.	1.5	7
92	Sound radiation and transonic boundaries of a plate with an acoustic black hole. Journal of the Acoustical Society of America, 2019, 145, 164-172.	1.1	64
93	Selective modal control of blade vibrations by local laser shock peening. Journal of Sound and Vibration, 2019, 445, 2-16.	3.9	3
94	Baseline-free multidamage identification in plate-like structures by using multiscale approach and low-rank modelling. Structural Control and Health Monitoring, 2019, 26, e2293.	4.0	12
95	Multivariate Regression with Gross Errors on Manifold-Valued Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 444-458.	13.9	5
96	Exploiting Origami Shape Reconfiguration in Noise Control Applications. , 2019, , .		0
97	Acoustic resonator tuning strategies for the narrowband noise control in an enclosure. Applied Acoustics, 2018, 134, 88-96.	3.3	9
98	Optimal design of a beam-based dynamic vibration absorber using fixed-points theory. Journal of Sound and Vibration, 2018, 421, 111-131.	3.9	33
99	Shear horizontal wave propagation in a periodic stubbed plate and its application in rainbow trapping. Ultrasonics, 2018, 84, 244-253.	3.9	19
100	Analysis of ray trajectories of flexural waves propagating over generalized acoustic black hole indentations. Journal of Sound and Vibration, 2018, 417, 216-226.	3.9	60
101	Too Far to See? Not Really!â€”Pedestrian Detection With Scale-Aware Localization Policy. IEEE Transactions on Image Processing, 2018, 27, 3703-3715.	9.8	67
102	Near-field wave enhancement and â€˜quasi-surfaceâ€™™ longitudinal waves in a segmented thick-walled hollow cylindrical waveguide. Structural Health Monitoring, 2018, 17, 346-362.	7.5	4
103	Damage detection based on sparse virtual element boundary measurement using metal-core piezoelectric fiber. Structural Health Monitoring, 2018, 17, 15-23.	7.5	8
104	Characterization of Nonplanar Second Harmonic Lamb Waves With a Refined Nonlinear Parameter. Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems, 2018, 1, .	0.9	5
105	Modelling nonlinearity of guided ultrasonic waves in fatigued materials using a nonlinear local interaction simulation approach and a spring model. Ultrasonics, 2018, 84, 272-289.	3.9	34
106	Investigations on flexural wave propagation and attenuation in a modified one-dimensional acoustic black hole using a laser excitation technique. Mechanical Systems and Signal Processing, 2018, 104, 19-35.	8.0	69
107	Transduction on Directed Graphs via Absorbing Random Walks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1770-1784.	13.9	18
108	Characterization of a Microchip Device for Cell Patterning via Negative Dielectrophoresis. , 2018, , .		7

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109	Enhancement of piezoelectric energy harvesting using ABH structural tailoring. , 2018, , .		0
110	Analytical coupled vibro-acoustic modeling of a cavity-backed duct-membrane system with uniform mean flow. Journal of the Acoustical Society of America, 2018, 144, 1368-1380.	1.1	5
111	A 2D Daubechies wavelet model on the vibration of rectangular plates containing strip indentations with a parabolic thickness profile. Journal of Sound and Vibration, 2018, 429, 130-146.	3.9	65
112	Reconfigurable origami silencers for tunable and programmable sound attenuation. Smart Materials and Structures, 2018, 27, 095007.	3.5	24
113	Superharmonic vibration and its reduction in SSD control by increase of voltage inversion time. Smart Materials and Structures, 2018, 27, 085007.	3.5	9
114	Synthesizing retinal and neuronal images with generative adversarial nets. Medical Image Analysis, 2018, 49, 14-26.	11.6	141
115	Identification of Cascade Dynamic Nonlinear Systems: A Bargaining-Game-Theory-Based Approach. IEEE Transactions on Signal Processing, 2018, 66, 4657-4669.	5.3	14
116	Piecewise convergence behavior of the condensed transfer function approach for mid-to-high frequency modelling of a panel-cavity system. Journal of Sound and Vibration, 2018, 435, 119-134.	3.9	7
117	Design of nonlinear-Lamb-wave-based structural health monitoring systems with mitigated adhesive nonlinearity. Smart Materials and Structures, 2018, 27, 105006.	3.5	13
118	A resonant beam damper tailored with Acoustic Black Hole features for broadband vibration reduction. Journal of Sound and Vibration, 2018, 430, 174-184.	3.9	70
119	On a hybrid use of structural vibration signatures for damage identification: a virtual vibration deflection (VVD) method. JVC/Journal of Vibration and Control, 2017, 23, 615-631.	2.6	10
120	Adhesive nonlinearity in Lamb-wave-based structural health monitoring systems. Smart Materials and Structures, 2017, 26, 025019.	3.5	29
121	Propagation of thickness shear waves in a periodically corrugated quartz crystal plate and its application exploration in acoustic wave filters. Ultrasonics, 2017, 77, 100-109.	3.9	8
122	On the sound insulation of acoustic metasurface using a sub-structuring approach. Journal of Sound and Vibration, 2017, 401, 190-203.	3.9	44
123	Quantitative 3D analysis of complex single border cell behaviors in coordinated collective cell migration. Nature Communications, 2017, 8, 14905.	12.8	37
124	Broadband locally resonant band gaps in periodic beam structures with embedded acoustic black holes. Journal of Applied Physics, 2017, 121, .	2.5	114
125	Convergence criteria on the acoustic velocity continuity in a panel-cavity system. Journal of the Acoustical Society of America, 2017, 141, 2137-2142.	1.1	6
126	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

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127	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
128	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
129	Wavelet Decompositions for High Frequency Vibrational Analyses of Plates. International Journal of Applied Mechanics, 2017, 09, 1750088.	2.2	9
130	Quantitative Localization of a Golgi Protein by Imaging Its Center of Fluorescence Mass. Journal of Visualized Experiments, 2017, , .	0.3	9
131	Dynamic and Static Properties of Double-Layered Compound Acoustic Black Hole Structures. International Journal of Applied Mechanics, 2017, 09, 1750074.	2.2	58
132	Hand action detection from ego-centric depth sequences with error-correcting Hough transform. Pattern Recognition, 2017, 72, 494-503.	8.1	16
133	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
134	Segment 2D and 3D Filaments by Learning Structured and Contextual Features. IEEE Transactions on Medical Imaging, 2017, 36, 596-606.	8.9	39
135	A numerical investigation on the sound insulation of ventilation windows. Applied Acoustics, 2017, 117, 113-121.	3.3	54
136	Vibroacoustic modeling of an acoustic resonator tuned by dielectric elastomer membrane with voltage control. Journal of Sound and Vibration, 2017, 387, 114-126.	3.9	33
137	Tunable acoustic metamaterial with an array of resonators actuated by dielectric elastomer. Extreme Mechanics Letters, 2017, 12, 37-40.	4.1	61
138	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
139	Multiview and Multimodal Pervasive Indoor Localization. , 2017, , .		17
140	Robotic knot tying through a spatial trajectory with a visual servoing system. , 2017, , .		5
141	Avalanche effect in plasma under high-power microwave irradiation. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 195202.	0.5	2
142	Field Strength Threshold of Common Discharge Gases Breakdown. Chinese Journal of Luminescence, 2017, 38, 103-108.	0.5	0
143	Experiment on protection performance of two-layer plasma to 6 GHz high-power microwave. Hongwai Yu Jiguang Gongcheng/Infrared and Laser Engineering, 2017, 46, 917008.	0.4	0
144	On the retrofitted design of a truck muffler with cascaded sub-chambers. Noise Control Engineering Journal, 2016, 64, 602-607.	0.3	0

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145	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
146	Dynamic trajectory planning for robotic knot tying. , 2016, , .		4
147	NeuronCyto II: An automatic and quantitative solution for crossover neural cells in high throughput screening. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 747-754.	1.5	9
148	Suppression of bending waves in a beam using resonators with different separation lengths. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 2361-2371.	1.1	11
149	On the acoustic analysis and optimization of ducted ventilation systems using a sub-structuring approach. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 279-289.	1.1	10
150	Loss of acoustic black hole effect in a structure of finite size. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	22
151	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
152	Metal-core piezoelectric fiber-based smart layer for damage detection using sparse virtual element boundary measurement. , 2016, , .		0
153	On the efficacy of the wavelet decomposition for high frequency vibration analyses. <i>Journal of Sound and Vibration</i> , 2016, 380, 213-223.	3.9	11
154	Plasma radome designed for the EMP effects defense. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
155	Incremental Regularized Least Squares for Dimensionality Reduction of Large-Scale Data. <i>SIAM Journal of Scientific Computing</i> , 2016, 38, B414-B439.	2.8	5
156	Prediction of noise inside an acoustic cavity of elongated shape using statistical energy analyses with spatial decay consideration. <i>Applied Acoustics</i> , 2016, 113, 34-38.	3.3	5
157	A Graph-Theoretical Approach for Tracing Filamentary Structures in Neuronal and Retinal Images. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 257-272.	8.9	75
158	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
159	Flow-induced noise control behind bluff bodies with various leading edges using the surface perturbation technique. <i>Journal of Sound and Vibration</i> , 2016, 369, 1-15.	3.9	5
160	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
161	Multi-damage localization on large complex structures through an extended delay-and-sum based method. <i>Structural Health Monitoring</i> , 2016, 15, 50-64.	7.5	46
162	Structural damage detection based on virtual element boundary measurement. <i>Journal of Sound and Vibration</i> , 2016, 372, 133-146.	3.9	11

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163	Noise control of dipole source by using micro-perforated panel housing. Journal of Sound and Vibration, 2016, 362, 39-55.	3.9	19
164	Sound absorption of microperforated panels inside compact acoustic enclosures. Journal of Sound and Vibration, 2016, 360, 140-155.	3.9	38
165	Semi-active vibration control based on unsymmetrical synchronized switching damping: Circuit design. Journal of Intelligent Material Systems and Structures, 2016, 27, 1106-1120.	2.5	11
166	Estimate Hand Poses Efficiently from Single Depth Images. International Journal of Computer Vision, 2016, 116, 21-45.	15.6	22
167	Robust Modelling and Analysis of Vascular Geometries from Biomedical Images. , 2016, , .		0
168	Learning to Boost Filamentary Structure Segmentation. , 2015, , .		27
169	Sub-chamber optimization for silencer design. Journal of Sound and Vibration, 2015, 351, 57-67.	3.9	28
170	Shape Optimization of Acoustic Enclosures Based on a Wavelet Galerkin Formulation. International Journal of Applied Mechanics, 2015, 07, 1550009.	2.2	14
171	A subsystem approach for analysis of dynamic vibration absorbers suppressing broadband vibration. Journal of Sound and Vibration, 2015, 342, 75-89.	3.9	13
172	A 3-D Quasi-Zero-Stiffness-Based Sensor System for Absolute Motion Measurement and Application in Active Vibration Control. IEEE/ASME Transactions on Mechatronics, 2015, 20, 254-262.	5.8	28
173	Statistical enhancement of a dynamic equilibrium-based damage identification strategy: Theory and experimental validation. Journal of Sound and Vibration, 2015, 351, 236-250.	3.9	9
174	Reducing interior noise in a cylinder using micro-perforated panels. Applied Acoustics, 2015, 95, 50-56.	3.3	28
175	Hybrid silencers with micro-perforated panels and internal partitions. Journal of the Acoustical Society of America, 2015, 137, 951-962.	1.1	44
176	Thick hollow cylindrical waveguides: A theoretical, numerical and experimental study. Journal of Sound and Vibration, 2015, 350, 73-90.	3.9	7
177	Integrated Foreground Segmentation and Boundary Matting for Live Videos. IEEE Transactions on Image Processing, 2015, 24, 1356-1370.	9.8	33
178	Microperforates for acoustic noise control applications. , 2015, , .		0
179	Design and analysis of broadband acoustic silencers. , 2015, , .		0
180	Damage detection based on sparse virtual element boundary measurement with enhanced noise immunity under weak formulation. , 2015, , .		0

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