

Hui Guo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6163934/publications.pdf>

Version: 2024-02-01

75
papers

662
citations

623188

14
h-index

676716

22
g-index

76
all docs

76
docs citations

76
times ranked

440
citing authors

#	ARTICLE	IF	CITATIONS
1	A theoretical analysis of friction and vibration characteristics of wiper reversal process. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2023, 237, 1327-1337.	1.1	3
2	Topology optimization of anisotropy hierarchical honeycomb acoustic metamaterials for extreme multi-broad band gaps. Mechanics of Advanced Materials and Structures, 2023, 30, 3540-3552.	1.5	9
3	Distributed adaptive time-varying formation control for Lipschitz nonlinear multi-agent systems. Transactions of the Institute of Measurement and Control, 2022, 44, 272-285.	1.1	4
4	Topological optimization of hierarchical honeycomb acoustic metamaterials for low-frequency extreme broad band gaps. Applied Acoustics, 2022, 188, 108579.	1.7	15
5	A hybrid wave superposition method based on particle filter. Applied Acoustics, 2022, 194, 108806.	1.7	0
6	Hybrid time-frequency algorithm for active sound quality control of vehicle interior noise based on stationary discrete wavelet transform. Applied Acoustics, 2021, 171, 107561.	1.7	8
7	Nonlinear analysis of the car-following model considering headway changes with memory and backward looking effect. Physica A: Statistical Mechanics and Its Applications, 2021, 562, 125303.	1.2	31
8	Mechanism of interior noise generation in high-speed vehicle based on anti-noise operational transfer path analysis. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 273-287.	1.1	6
9	Multi-field coupling prediction for improving aeroacoustic performance of muffler based on LES and FW-H acoustic analogy methods. International Journal of Aeroacoustics, 2021, 20, 414-436.	0.8	1
10	Study on broadband low-frequency sound insulation of multi-channel resonator acoustic metamaterials. AIP Advances, 2021, 11, .	0.6	9
11	Design of multilayer sound-absorbing composites with excellent sound absorption properties at medium and low frequency via constructing variable section cavities. Composite Structures, 2021, 266, 113798.	3.1	19
12	Numerical Investigation of Discrepancies Between Two-Dimensional and Three-Dimensional Acoustic Metamaterials. Frontiers in Materials, 2021, 8, .	1.2	3
13	Electromagnetic noise analysis and optimization for permanent magnet synchronous motor used on electric vehicles. Engineering Computations, 2021, 38, 699-719.	0.7	6
14	A Test Method for Acoustic Emission Properties of Natural Cellulose Fiber-Reinforced Composites. Applied Sciences (Switzerland), 2021, 11, 12067.	1.3	1
15	Vibration load and transfer path identification of vehicle using inverse matrix method based on singular value decomposition. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 1703-1713.	1.1	3
16	Hierarchical square honeycomb metamaterials with low-frequency broad bandgaps and flat energy bands characteristics. Journal of Applied Physics, 2020, 128, 235102.	1.1	5
17	Active control for vehicle interior noise based on DWT-FxLMS algorithm using a piezoelectric feedback system. Applied Acoustics, 2020, 167, 107409.	1.7	17
18	Design of ethylene-propylene diene monomer foam and its double-layer composite for improving sound absorption properties via experimental method and theoretical verification. Polymer Engineering and Science, 2020, 60, 1877-1889.	1.5	7

#	ARTICLE	IF	CITATIONS
19	An engine-fault-diagnosis system based on sound intensity analysis and wavelet packet pre-processing neural network. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 94, 103765.	4.3	40
20	Topological design of square lattice structure for broad and multiple band gaps in low-frequency range. <i>Extreme Mechanics Letters</i> , 2020, 35, 100632.	2.0	28
21	Time-domain signal reconstruction of vehicle interior noise based on deep learning and compressed sensing techniques. <i>Mechanical Systems and Signal Processing</i> , 2020, 139, 106635.	4.4	8
22	Effect of Cross-Linking Degree of EPDM Phase on the Morphology Evolution and Crystallization Behavior of Thermoplastic Vulcanizates Based on Polyamide 6 (PA6)/Ethylene-Propylene-Diene Rubber (EPDM) Blends. <i>Polymers</i> , 2019, 11, 1375.	2.0	9
23	Study on band gap properties of two-dimensional phononic crystals based on generalized viscoelastic modeling. <i>Modern Physics Letters B</i> , 2019, 33, 1950403.	1.0	4
24	Parametric Prediction Models of Harvesting Electric Energy Density for Piezoelectric Transducers. <i>Journal of Vibration Engineering and Technologies</i> , 2019, 7, 389-398.	1.3	4
25	Sound feature space effects on the performance of annoyance evaluation model based on support vector machine. <i>Applied Acoustics</i> , 2019, 154, 99-113.	1.7	9
26	Vehicle interior noise active control based on piezoelectric ceramic materials and improved fuzzy control algorithm. <i>Applied Acoustics</i> , 2019, 150, 216-226.	1.7	26
27	Evaluation Method of Instantaneous Acoustic Quality of Automobile Latch Based on BP Neural Network. , 2019, , .		0
28	Configuration Synthesis of Side Door Latch Power Release Mechanism. , 2019, , .		1
29	Hybrid patch near-field acoustic holography based on Kalman filter. <i>Applied Acoustics</i> , 2019, 148, 23-33.	1.7	7
30	A multi-source fusion algorithm for high-accuracy signal reconstruction of vehicle interior noise on passenger ear-sides. <i>Applied Acoustics</i> , 2019, 148, 75-85.	1.7	9
31	A normalized frequency-domain block filtered-x LMS algorithm for active vehicle interior noise control. <i>Mechanical Systems and Signal Processing</i> , 2019, 120, 150-165.	4.4	40
32	Active control for vehicle interior noise using the improved iterative variable step-size and variable tap-length LMS algorithms. <i>Noise Control Engineering Journal</i> , 2019, 67, 405-414.	0.2	5
33	Simulation Research of Gear Recovery Noise in Electric Opening Branch with the Vehicle Door Latch. , 2019, , .		0
34	Active interior noise control for rail vehicle using a variable step-size median-LMS algorithm. <i>Mechanical Systems and Signal Processing</i> , 2018, 109, 15-26.	4.4	20
35	Investigation on acoustic energy harvesting based on quarter-wavelength resonator phononic crystals. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401774807.	0.8	12
36	An improved LMS algorithm for active sound-quality control of vehicle interior noise based on auditory masking effect. <i>Mechanical Systems and Signal Processing</i> , 2018, 108, 292-303.	4.4	21

#	ARTICLE	IF	CITATIONS
37	Roughness Evaluation Approach for Nonstationary Vehicle Noise Based on Wavelet Packet and Neural Network Techniques. <i>International Journal of Acoustics and Vibrations</i> , 2018, 23, .	0.3	1
38	Acoustic behavior prediction for low-frequency sound quality based on finite element method and artificial neural network. <i>Applied Acoustics</i> , 2017, 122, 62-71.	1.7	20
39	A hybrid prediction for wind buffeting noises of vehicle rear window based on LES-LAA method. <i>Applied Mathematical Modelling</i> , 2017, 47, 160-173.	2.2	9
40	Short-term traffic flow prediction using a self-adaptive two-dimensional forecasting method. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401771900.	0.8	14
41	Study on hybrid LES-LAA method for wind buffeting noise control of vehicle rear windows. <i>Noise Control Engineering Journal</i> , 2017, 65, 577-589.	0.2	2
42	Errors in the measurement of transmission loss in a standing wave tube. <i>Noise Control Engineering Journal</i> , 2017, 65, 174-182.	0.2	3
43	Numerical simulation and experimental validation of ultrasonic de-icing system for wind turbine blade. <i>Applied Acoustics</i> , 2016, 114, 19-26.	1.7	36
44	Reliability analysis on the drive system of a gear-type oil pump with variable displacement. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401663880.	0.8	5
45	Research on assembly tolerance allocation and quality control based on fuzzy reliability. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2016, 230, 3755-3766.	1.1	12
46	Sound quality recognition using optimal wavelet-packet transform and artificial neural network methods. <i>Mechanical Systems and Signal Processing</i> , 2016, 66-67, 875-892.	4.4	38
47	Research on Pedestrian Detection Method with Motion and Shape Features. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 5788-5793.	0.4	2
48	Hardpoint correlation analysis and optimal design for front suspension of a Formula SAE car. <i>Australian Journal of Mechanical Engineering</i> , 2015, 13, 67-76.	1.5	7
49	A Control Lyapunov Function Approach to Stabilization of Affine Nonlinear Systems with Bounded Uncertain Parameters. <i>Circuits, Systems, and Signal Processing</i> , 2015, 34, 341-352.	1.2	4
50	Geometric stability and nitrogen adsorption properties of small BaxOy cluster-modified Ru(0001) surface. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2015, 64, 016802.	0.2	3
51	Simulation and analysis on electro-magnetic-thermal coupling of solenoid GDI injector. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2014, 46, 775-792.	0.3	16
52	Improved processing and performance of GDI injector based on metal injection molding technology. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2014, 44, 99-114.	0.3	16
53	Sound Quality Evaluation and Optimization for Interior Noise of Rail Vehicle. <i>Advances in Mechanical Engineering</i> , 2014, 6, 820875.	0.8	5
54	Acoustical design for public address announcements in an underground subway station. <i>Noise Control Engineering Journal</i> , 2014, 62, 275-282.	0.2	0

#	ARTICLE	IF	CITATIONS
55	Simulation and Optimization for Interior Sound Field of a Rail Vehicle. <i>Noise and Vibration Worldwide</i> , 2014, 45, 8-14.	0.4	0
56	Fluid-sound coupling simulation and experimental validation for noise characteristics of a variable displacement external gear pump. <i>Noise Control Engineering Journal</i> , 2014, 62, 123-131.	0.2	9
57	Roughness modelling based on human auditory perception for sound quality evaluation of vehicle interior noise. <i>Journal of Sound and Vibration</i> , 2013, 332, 3893-3904.	2.1	53
58	Investigation on comprehensive performance of the EFI by MIM technology. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2013, 42, 579-588.	0.3	5
59	Sound Field Simulation and Optimization at an Underground Subway Station. <i>Building Acoustics</i> , 2013, 20, 243-253.	1.1	0
60	Analysis for Suspension Hardpoint of Formula SAE Car Based on Correlation Theory. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2013, 06, 4569-4574.	0.1	3
61	Sound Quality Prediction of Vehicle Interior Noise During Acceleration Using Least Square Support Vector Machine. <i>Journal of Applied Sciences</i> , 2013, 13, 2288-2293.	0.1	1
62	Research on Modeling Method for Static Strength FEA of Automobile Seat Recliner Assembly. , 2011, , .		0
63	Influence of Outer Rubber Bushing Stiffness of the Lateral Rod on Multi-Link Independent Suspension Performance. <i>Advanced Materials Research</i> , 2011, 211-212, 57-61.	0.3	0
64	Experimental and Study of an Direct-Injection, Single Fuel CNG Engine. <i>Advanced Materials Research</i> , 2011, 225-226, 207-211.	0.3	0
65	Influence of Outer Rubber Bushing Stiffness of the Under Control Arm on Multi-link Independent Suspension Performance. , 2011, , .		0
66	Study on Measurement System of the Dynamic Performances for an Electronic Fuel Injector. , 2010, , .		4
67	Failure Analysis and Redesign of Coach Seat Recliner Based on FEM. , 2010, , .		1
68	Influence of Front Double Wishbone Independent Suspension Performance on Front Rubber Bushing Stiffness of Lower Control Arm. , 2010, , .		0
69	Performance analysis of front rubber bushing stiffness of lower control arm on McPherson Suspension. , 2009, , .		0
70	A Method to Measure the Dynamic Response Time for an Electronic Fuel Injector. <i>Applied Mechanics and Materials</i> , 0, 44-47, 1563-1567.	0.2	0
71	Computations of Transient Flows and Sprays of Port Fuel Injector. <i>Applied Mechanics and Materials</i> , 0, 130-134, 3636-3639.	0.2	0
72	A Study on Static Features of a High-Speed Solenoid Valve Used in Diesel Engine. <i>Applied Mechanics and Materials</i> , 0, 189, 393-397.	0.2	0

#	ARTICLE	IF	CITATIONS
73	The Analysis of Structural Strength of UD Clutch Hub Assembly. Applied Mechanics and Materials, 0, 303-306, 2754-2757.	0.2	0
74	Performance Analysis of Rear Rubber Bushing Stiffness of Lower Control Arm on McPherson Suspension. , 0, , 395-400.		0
75	A fast 3D-MUSIC method for near-field sound source localization based on the bat algorithm. International Journal of Aeroacoustics, 0, , 1475472X2210937.	0.8	2