Jiewei Lin

List of Publications by Year
in descending order

51	505	759055 12	794469 19
papers	citations	h-index	g-index

51	51	51	424
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flocking Bird Strikes on Engine Fan Blades and Their Effect on Rotor System: A Numerical Simulation. Aerospace, 2022, 9, 90.	1.1	1
2	Biodynamic response of seated human body to roll vibration: Effect of armrest support. Journal of Sound and Vibration, 2022, 529, 116939.	2.1	4
3	Effect of Impact and Bearing Parameters on Bird Strike with Aero-Engine Fan Blades. Applied Sciences (Switzerland), 2022, 12, 7.	1.3	8
4	Adaptive Recursive Variational Mode Decomposition for Multiple Engine Faults Detection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	6
5	Dynamic characteristics analysis of blade-casing rubbing faults with abradable coatings. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 975-987.	1.1	2
6	Effect of cooling hole configurations on combustion and heat transfer in an aero-engine combustor. Applied Thermal Engineering, 2021, 182, 115664.	3.0	23
7	Modeling and effect analysis on crack growth behavior of Hastelloy X under high temperature creep-fatigue interaction. International Journal of Mechanical Sciences, 2021, 195, 106219.	3.6	10
8	Analysis and Optimisation of Ride Vibration of a Heavy-Duty Truck Based on a Vertical-Pitch-Roll Driver-Vehicle Coupled Dynamic Model. Shock and Vibration, 2021, 2021, 1-10.	0.3	0
9	Analysis and Optimization of Driveline Bushing for Lateral Ride Vibration under Shock Excitation. Applied Sciences (Switzerland), 2021, 11, 2647.	1.3	0
10	Optimized Fuzzy Skyhook Control for Semi-Active Vehicle Suspension with New Inverse Model of Magnetorheological Fluid Damper. Energies, 2021, 14, 1674.	1.6	27
11	Dynamic Responses of the Aero-Engine Rotor System to Bird Strike on Fan Blades at Different Rotational Speeds. Applied Sciences (Switzerland), 2021, 11, 8883.	1.3	5
12	Sound quality DNA construction according to the scenario and operating condition of diesel engine. Applied Acoustics, 2021, 180, 108117.	1.7	0
13	Numerical Study on Vibration Response and Fatigue Damage of Axial Compressor Blade Considering Aerodynamic Excitation. Metals, 2021, 11, 1835.	1.0	6
14	Biodynamic Response of Seated Human Body to Roll Vibration and Correlation between Roll and Lateral Directions. Shock and Vibration, 2020, 2020, 1-12.	0.3	4
15	Cracking analysis of an aero-engine combustor. Engineering Failure Analysis, 2020, 115, 104640.	1.8	8
16	Study on the Elasticâ€“Plastic Correlation of Low-Cycle Fatigue for Variable Asymmetric Loadings. Materials, 2020, 13, 2451.	1.3	12
17	An Intelligent Approach for Contact Pressure Optimization of PEM Fuel Cell Gas Diffusion Layers. Applied Sciences (Switzerland), 2020, 10, 4194.	1.3	20
18	A parameter-adaptive variational mode decomposition approach based on weighted fuzzy-distribution entropy for noise source separation. Measurement Science and Technology, 2020, 31, 125004.	1.4	10

#	Article	IF	Citations
19	Failure mechanism of thermal barrier coatings of an ex-service aero-engine combustor. Surface and Coatings Technology, 2019, 380, 125030.	2.2	11
20	Knock Detection Based on Recursive Variational Mode Decomposition and Multilevel Semi-Supervised Local Fisher Discriminant Analysis. IEEE Access, 2019, 7, 122028-122040.	2.6	8
21	Failure analysis of a high-pressure fuel pipe of engine. Engineering Failure Analysis, 2019, 103, 70-81.	1.8	13
22	A Fuzzy-Based Analytic Hierarchy Process for Mechanical Noise Source Identification of a Diesel Engine. Shock and Vibration, 2019, 2019, 1-14.	0.3	2
23	Analysis and optimization of coupled vibration between substructures of a multi-axle vehicle. JVC/Journal of Vibration and Control, 2019, 25, 1031-1043.	1.5	11
24	Study on the fatigue life and damage accumulation of a compressor blade based on a modified nonlinear damage model. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 1077-1088.	1.7	15
25	Study on Damage Accumulation and Life Prediction with Loads below Fatigue Limit Based on a Modified Nonlinear Model. Materials, 2018, 11, 2298.	1.3	21
26	Vibration Fatigue Damage Accumulation of Tiâ€“6Alâ€“4V under Constant and Sequenced Variable Loading Conditions. Metals, 2018, 8, 296.	1.0	7
27	An Overall Bubble Diameter Model for the Flow Boiling and Numerical Analysis through Global Information Searching. Energies, 2018, 11, 1297.	1.6	6
28	Thermal Characteristics Investigation of the Internal Combustion Engine Cooling-Combustion System Using Thermal Boundary Dynamic Coupling Method and Experimental Verification. Energies, 2018, 11, 2127.	1.6	8
29	Study on Lubrication Performance of Journal Bearing with Multiple Texture Distributions. Applied Sciences (Switzerland), 2018, 8, 244.	1.3	17
30	Numerical simulation of transport characteristics of Li-ion battery in different discharging modes. Applied Thermal Engineering, 2017, 126, 70-80.	3.0	8
31	Dynamic Analysis of a Rotor-Bearing-SFD System with the Bearing Inner Race Defect. Shock and Vibration, 2017, 2017, 1-13.	0.3	8
32	Effects of misalignment on the nonlinear dynamics of a two-shaft rotor-bearing-gear coupling system with rub-impact fault. Journal of Vibroengineering, 2017, 19, 5960-5977.	0.5	18
33	Performance Analysis of a Fiber Reinforced Plastic Oil Cooler Cover Considering the Anisotropic Behavior of the Fiber Reinforced PA66. Polymers, 2016, 8, 312.	2.0	3
34	Mathematical Modelling of the Rear Drive Unit of a Lightweight Vehicle for Sensitivity Analysis of Vibration. , 2016, , .		0
35	Multiobjective optimization of injection molding process parameters based on Opt LHD, EBFNN, and MOPSO. International Journal of Advanced Manufacturing Technology, 2016, 85, 2857-2872.	1.5	39
36	A nonlinear continuous damage model based on shortâ€crack concept under variable amplitude loading. Fatigue and Fracture of Engineering Materials and Structures, 2016, 39, 79-94.	1.7	11

#	Article	IF	Citations
37	A mathematical model for coupled vibration system of road vehicle and coupling effect analysis. Applied Mathematical Modelling, 2016, 40, 1199-1217.	2.2	25
38	Fatigue crack growth rate of Ti-6Al-4V considering the effects of fracture toughness and crack closure. Chinese Journal of Mechanical Engineering (English Edition), 2015, 28, 409-415.	1.9	8
39	Application of improved LMD, SVD technique and RVM to fault diagnosis of diesel valve trains. Transactions of Tianjin University, 2015, 21, 304-311.	3.3	2
40	Diesel engine noise source identification based on EEMD, coherent power spectrum analysis and improved AHP. Measurement Science and Technology, 2015, 26, 095010.	1.4	13
41	Fault diagnosis approach for rotating machinery based on dynamic model and computational intelligence. Measurement: Journal of the International Measurement Confederation, 2015, 59, 73-87.	2.5	47
42	Analysis of oil consumption in cylinder of diesel engine for optimization of piston rings. Chinese Journal of Mechanical Engineering (English Edition), 2013, 26, 207-216.	1.9	5
43	Reliability analysis of aero-engine blades considering nonlinear strength degeneration. Chinese Journal of Aeronautics, 2013, 26, 631-637.	2.8	14
44	Aero-engine blade fatigue analysis based on nonlinear continuum damage model using neural networks. Chinese Journal of Mechanical Engineering (English Edition), 2012, 25, 338-345.	1.9	19
45	Psychoacoustic study on contribution of fan noise to engine noise. Chinese Journal of Mechanical Engineering (English Edition), 2012, 25, 809-815.	1.9	2
46	High cycle fatigue life prediction and reliability analysis of aeroengine blades. Transactions of Tianjin University, 2012, 18, 456-464.	3.3	4
47	Turbofan Engine Blade Vibration Model Analysis and Design Parameters Effects. , 2011, , .		0
48	Study on Fatigue Damage of Aero-engine Blade Based on Non-linear Continuum Damage Model. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2010, 46, 66.	0.7	7
49	Unsymmetrical Cycle Fatigue Analysis of Titanium Alloy Blades under Multi-Level Loading. Advanced Materials Research, 0, 337, 686-689.	0.3	0
50	Dynamic Characteristics Analysis and Fatigue Damage Estimation of a Compressor Blade under Fluid-Structure Interaction. , 0, , .		1
51	Intelligent optimization of clamping design of PEM fuel cell stack for high consistency and uniformity of contact pressure. International Journal of Green Energy, 0, , 1-14.	2.1	6