

Hao Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

218
citations

1163117

8
h-index

1058476

14
g-index

18
all docs

18
docs citations

18
times ranked

119
citing authors

#	ARTICLE	IF	CITATIONS
1	An improved shear modified GTN model for ductile fracture of aluminium alloys under different stress states and its parameters identification. <i>International Journal of Mechanical Sciences</i> , 2021, 192, 106081.	6.7	52
2	Dynamic modeling, simulation and experiment of power transmission belt drives: A systematic review. <i>Journal of Sound and Vibration</i> , 2021, 491, 115759.	3.9	25
3	Transverse hysteretic damping characteristics of a serpentine belt: Modeling and experimental investigation. <i>Journal of Sound and Vibration</i> , 2014, 333, 7019-7035.	3.9	15
4	Dynamic response of a front end accessory drive system and parameter optimization for vibration reduction via a genetic algorithm. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 2201-2220.	2.6	15
5	Displacement reconstruction from measured accelerations and accuracy control of integration based on a low-frequency attenuation algorithm. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 133, 106122.	3.8	15
6	Hysteretic damping characteristics of a mechanical tensioner: Modeling and experimental investigation. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2019, 233, 1890-1902.	1.9	13
7	A dynamic adaptive particle swarm optimization and genetic algorithm for different constrained engineering design optimization problems. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401882493.	1.6	12
8	Optimal Design of an Autotensioner in an Automotive Belt Drive System Via a Dynamic Adaptive PSO-GA. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2017, 139, .	2.9	11
9	Dynamic responses of an engine front-end accessory belt drive system with pulley eccentricities via two spatial discretization methods. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2018, 232, 482-498.	1.9	11
10	Dynamic Analysis of Power Transmission Lines With Ice-Shedding Using an Efficient Absolute Nodal Coordinate Beam Formulation. <i>Journal of Computational and Nonlinear Dynamics</i> , 2021, 16, .	1.2	10
11	Periodic Response of a Timing Belt Drive System With an Oval Cogged Pulley and Optimal Design of the Pitch Profile for Vibration Reduction. <i>Journal of Computational and Nonlinear Dynamics</i> , 2018, 13, 011014.	1.2	8
12	Multi-objective design optimization of an engine accessory drive system with a robustness analysis. <i>Applied Mathematical Modelling</i> , 2020, 77, 1564-1581.	4.2	7
13	Stick-slip oscillations of an engine front-end accessory drive system with a mechanical tensioner. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2021, 235, 400-416.	1.9	6
14	An efficient dynamic formulation for the vibration analysis of a multi-span power transmission line excited by a moving deicing robot. <i>Applied Mathematical Modelling</i> , 2022, 103, 619-635.	4.2	6
15	Modification of natural frequencies of an automotive belt drive system based on eigen-sensitivity analysis of its configuration parameters. <i>European Journal of Mechanics, A/Solids</i> , 2018, 67, 137-156.	3.7	5
16	Bending Behavior of a Frictional Single-Layered Spiral Strand Subjected to Multi-Axial Loads: Numerical and Experimental Investigation. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4792.	2.5	3
17	Dynamic analysis and optimization of a wind turbine tower subject to wind and earthquake loads. <i>Structural Design of Tall and Special Buildings</i> , 2022, 31, .	1.9	3
18	Steady-state and start-up transient responses of a belt-driven starter generator system for micro-hybrid electric vehicles. <i>JVC/Journal of Vibration and Control</i> , 2022, 28, 2844-2860.	2.6	1