

Wen-ku Shi

List of Publications by Year in descending order

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34
papers

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citations

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34
all docs

34
docs citations

34
times ranked

199
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a sliding mode controller for semi-active vehicle suspensions. JVC/Journal of Vibration and Control, 2013, 19, 1152-1160.	2.6	49
2	Rubber fatigue life prediction using a random forest method and nonlinear cumulative fatigue damage model. Journal of Applied Polymer Science, 2020, 137, 48519.	2.6	30
3	Fatigue life prediction for vibration isolation rubber based on parameter-optimized support vector machine model. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 710-718.	3.4	27
4	Modeling and Analysis of Performance Degradation Data for Reliability Assessment: A Review. IEEE Access, 2020, 8, 74648-74678.	4.2	22
5	Composite mechanics and energy method based stiffness prediction model for composite leaf springs. Mechanics Based Design of Structures and Machines, 2019, 47, 375-386.	4.7	13
6	Torsional Vibration Semiactive Control of Drivetrain Based on Magnetorheological Fluid Dual Mass Flywheel. Mathematical Problems in Engineering, 2015, 2015, 1-17.	1.1	11
7	Effects of the bulk compressibility on rubber isolator's compressive behaviors. Advances in Mechanical Engineering, 2017, 9, 168781401769935.	1.6	9
8	Performance Degradation Prediction and Reliability Evaluation of Rubber Aging in Natural Environment Under Alternating Cyclic Thermal Load. IEEE Access, 2019, 7, 63027-63035.	4.2	9
9	Modeling and Dynamic Properties of a Four-Parameter Zener Model Vibration Isolator. Shock and Vibration, 2016, 2016, 1-16.	0.6	8
10	Establishment of theoretical model of composite leaf springs by using the mechanics of composite materials. Journal of Reinforced Plastics and Composites, 2017, 36, 1316-1326.	3.1	8
11	Modeling and Experimental Study on Dynamic Characteristics of Dual-Mass Flywheel Torsional Damper. Shock and Vibration, 2019, 2019, 1-13.	0.6	8
12	Modeling and Parameter Identification of MR Damper considering Excitation Characteristics and Current. Shock and Vibration, 2021, 2021, 1-17.	0.6	8
13	Research on Damping Performance of Dual Mass Flywheel Based on Vehicle Transmission System Modeling and Multi-Condition Simulation. IEEE Access, 2020, 8, 28064-28077.	4.2	6
14	Experimental modeling of magneto-rheological damper and PID neural network controller design. , 2010, , .		5
15	Buiding model and dynamic characteristic analysis for magnetorheological fluid engine mount. , 2011, , .		4
16	A Method to Solve the Stiffness of Double-Row Tapered Roller Bearing. Mathematical Problems in Engineering, 2019, 2019, 1-13.	1.1	4
17	A Review on Model and Control of Electromagnetic Active Engine Mounts. Shock and Vibration, 2020, 2020, 1-20.	0.6	4
18	A semi-active suspension design for off-road vehicle base on Magneto-rheological technology. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
19	Study on electromagnetic actuator active engine mount with fuzzy control. , 2009, , .		2
20	Stiffness Prediction and Analysis of Composite Leaf Springs. IEEE Access, 2021, 9, 54888-54899.	4.2	2
21	Modeling and parameter identification of seated human body with the reference vector guided evolutionary algorithm. Advances in Mechanical Engineering, 2021, 13, 168781402110626.	1.6	2
22	Finite element analysis of the static and dynamic characteristics of engine rubber mount. , 2009, , .		1
23	Notice of Retraction: Vibration modal analysis and energy decoupling optimization of commercial vehicle cab suspension system. , 2010, , .		1
24	Study on electromagnetic actuator active engine mount with adaptive feed-forward control. , 2010, , .		1
25	Study on active engine mount with electromagnetic actuator based on fuzzy control. , 2010, , .		1
26	Vibration analysis of commercial vehicle cab suspension and DOE optimization. , 2010, , .		1
27	Model of the Secondary Path between the Input Voltage and the Output Force of an Active Engine Mount on the Engine Side. Mathematical Problems in Engineering, 2020, 2020, 1-16.	1.1	1
28	Research of thermal oxygen ageing on tensile properties of rubber based on Peck-Yeoh model. Materials Research Express, 2021, 8, 065303.	1.6	1
29	Improving Camper Comfort by Optimizing the Vibration Isolation of Air-Conditioning Compressor. Mathematical Problems in Engineering, 2020, 2020, 1-14.	1.1	1
30	Notice of Retraction: Vibration transmission characteristics analysis and optimization of commercial vehicle cab suspension system. , 2010, , .		0
31	Research on the Fatigue Life Prediction Method of Thrust Rod. Mathematical Problems in Engineering, 2016, 2016, 1-9.	1.1	0
32	Based on continuum mechanics thrust rod fatigue life prediction. , 2016, , .		0
33	Based on linear cumulative damage thrust rod fatigue life prediction. , 2016, , .		0
34	Effect of mounting bracket structure and material on automotive air conditioning compressor. Australian Journal of Mechanical Engineering, 2020, , 1-13.	2.1	0