

Pu Gao

List of Publications by Year in descending order

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26
papers

282
citations

1040056

9
h-index

940533

16
g-index

26
all docs

26
docs citations

26
times ranked

222
citing authors

#	ARTICLE	IF	CITATIONS
1	Beneficial stiffness design of a high-static-low-dynamic-stiffness vibration isolator based on static and dynamic analysis. <i>International Journal of Mechanical Sciences</i> , 2018, 142-143, 235-244.	6.7	98
2	Reducing variable frequency vibrations in a powertrain system with an adaptive tuned vibration absorber group. <i>Journal of Sound and Vibration</i> , 2018, 425, 82-101.	3.9	31
3	Design of the frequency tuning scheme for a semi-active vibration absorber. <i>Mechanism and Machine Theory</i> , 2019, 140, 641-653.	4.5	31
4	Asymmetric effect of static radial eccentricity on the vibration characteristics of the rotor system of permanent magnet synchronous motors in electric vehicles. <i>Nonlinear Dynamics</i> , 2019, 96, 2581-2600.	5.2	15
5	Application of an adaptive tuned vibration absorber on a dual lay-shaft dual clutch transmission powertrain for vibration reduction. <i>Mechanical Systems and Signal Processing</i> , 2019, 121, 725-744.	8.0	14
6	Effects of Temperature on the Time-Varying Mesh Stiffness, Vibration Response, and Support Force of a Multi-Stage Planetary Gear. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2020, 142, .	1.6	14
7	A new magnetorheological elastomer torsional vibration absorber: structural design and performance test. <i>Mechanical Sciences</i> , 2021, 12, 321-332.	1.0	13
8	Experimental and theoretical study of temperature-dependent variable stiffness of magnetorheological elastomers. <i>International Journal of Materials Research</i> , 2018, 109, 113-128.	0.3	12
9	Temperature-dependent noise tendency prediction of the disc braking system. <i>Mechanical Systems and Signal Processing</i> , 2021, 149, 107189.	8.0	10
10	Vibration reduction performance parameters matching for adaptive tunable vibration absorber. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 198-212.	2.5	8
11	Modal Based Rotating Disc Model for Disc Brake Squeal. <i>SAE International Journal of Passenger Cars - Mechanical Systems</i> , 0, 8, 16-21.	0.4	7
12	On the Coupling Stiffness in Closed-Loop Coupling Disc Brake Model through Optimization. <i>SAE International Journal of Passenger Cars - Mechanical Systems</i> , 2015, 8, 31-36.	0.4	5
13	Vibration reduction performance of an innovative vehicle seat with a vibration absorber and variable damping cushion. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2022, 236, 689-708.	1.9	4
14	Optimization of the frequency tracking scheme for an adaptively tuned vibration absorber. <i>Journal of Sound and Vibration</i> , 2021, 512, 116376.	3.9	4
15	Torque ripple compensation control for hybrid UGVs in mode transition based on current harmonic control of a PMSM. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2021, 235, 920-932.	1.9	4
16	Study on Repeated-Root Modes in Substructure Modal Composition Analysis. <i>SAE International Journal of Passenger Cars - Mechanical Systems</i> , 0, 9, 160-166.	0.4	3
17	An innovative torsional vibration absorber of vehicle powertrain system: Prototype design, performance test, and control experiment. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 3434-3466.	4.7	3
18	On the Effect of Friction Law in Closed-Loop Coupling Disc Brake Model. <i>SAE International Journal of Passenger Cars - Mechanical Systems</i> , 2016, 9, 154-159.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Study on a Closed-Loop Coupling Model without Coupling Spring. SAE International Journal of Passenger Cars - Mechanical Systems, 2016, 9, 227-233.	0.4	1
20	The prediction of braking noise in regenerative braking system using closed-loop coupling disk brake model. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2019, 233, 3721-3735.	1.9	1
21	Vibration energy and repeated-root modes of disc rotor for high-frequency brake squeal. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2019, 233, 363-378.	0.8	1
22	Rotating Disc Model for Complex Eigenvalue Analysis of Brake Squeal. Conference Proceedings of the Society for Experimental Mechanics, 2015, , 107-111.	0.5	1
23	Treatment of Substructure Rigid-Body Modes in Close-Loop Coupling Disc Brake Squeal Model. Applied Mechanics and Materials, 2014, 668-669, 298-301.	0.2	0
24	Effects Analysis of Torsion Bar Spring Modelling Precision on Properties of Pre-Setting Process. , 2016, , .		0
25	Intelligent Control of a Servo-Motor-Driven Shock Absorber Performance Tester. Lecture Notes in Electrical Engineering, 2015, , 967-973.	0.4	0
26	Validation of Closed-Loop Coupling Disc Brake Model for Squeal Analysis. Conference Proceedings of the Society for Experimental Mechanics, 2015, , 113-120.	0.5	0