Pu Gao

List of Publications by Year
in descending order

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	An innovative torsional vibration absorber of vehicle powertrain system: Prototype design, performance test, and control experiment. Mechanics Based Design of Structures and Machines, 2023, 51, 3434-3466.	4.7	3
2	Vibration reduction performance of an innovative vehicle seat with a vibration absorber and variable damping cushion. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2022, 236, 689-708.	1.9	4
3	Temperature-dependent noise tendency prediction of the disc braking system. Mechanical Systems and Signal Processing, 2021, 149, 107189.	8.0	10
4	A new magnetorheological elastomer torsional vibration absorber: structural design and performance test. Mechanical Sciences, 2021, 12, 321-332.	1.0	13
5	Optimization of the frequency tracking scheme for an adaptively tuned vibration absorber. Journal of Sound and Vibration, 2021, 512, 116376.	3.9	4
6	Torque ripple compensation control for hybrid UGVs in mode transition based on current harmonic control of a PMSM. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 920-932.	1.9	4
7	Effects of Temperature on the Time-Varying Mesh Stiffness, Vibration Response, and Support Force of a Multi-Stage Planetary Gear. Journal of Vibration and Acoustics, Transactions of the ASME, 2020, 142, .	1.6	14
8	Design of the frequency tuning scheme for a semi-active vibration absorber. Mechanism and Machine Theory, 2019, 140, 641-653.	4.5	31
9	Asymmetric effect of static radial eccentricity on the vibration characteristics of the rotor system of permanent magnet synchronous motors in electric vehicles. Nonlinear Dynamics, 2019, 96, 2581-2600.	5.2	15
10	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
11	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
12	Application of an adaptive tuned vibration absorber on a dual lay-shaft dual clutch transmission powertrain for vibration reduction. Mechanical Systems and Signal Processing, 2019, 121, 725-744.	8.0	14
13	Vibration reduction performance parameters matching for adaptive tunable vibration absorber. Journal of Intelligent Material Systems and Structures, 2019, 30, 198-212.	2.5	8
14	Reducing variable frequency vibrations in a powertrain system with an adaptive tuned vibration absorber group. Journal of Sound and Vibration, 2018, 425, 82-101.	3.9	31
15	Experimental and theoretical study of temperature-dependent variable stiffness of magnetorheological elastomers. International Journal of Materials Research, 2018, 109, 113-128.	0.3	12
16	Beneficial stiffness design of a high-static-low-dynamic-stiffness vibration isolator based on static and dynamic analysis. International Journal of Mechanical Sciences, 2018, 142-143, 235-244.	6.7	98
17	Effects Analysis of Torsion Bar Spring Modelling Precision on Properties of Pre-Setting Process. , 2016, , .		0
18	On the Effect of Friction Law in Closed-Loop Coupling Disc Brake Model. SAE International Journal of Passenger Cars - Mechanical Systems, 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	On the Coupling Stiffness in Closed-Loop Coupling Disc Brake Model through Optimization. SAE International Journal of Passenger Cars - Mechanical Systems, 2015, 8, 31-36.	0.4	5
21	Intelligent Control of a Servo-Motor-Driven Shock Absorber Performance Tester. Lecture Notes in Electrical Engineering, 2015, , 967-973.	0.4	0
22	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
23	Rotating Disc Model for Complex Eigenvalue Analysis of Brake Squeal. Conference Proceedings of the Society for Experimental Mechanics, 2015, , 107-111.	0.5	1
24	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
25	Modal Based Rotating Disc Model for Disc Brake Squeal. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 8, 16-21.	0.4	7
26	Study on Repeated-Root Modes in Substructure Modal Composition Analysis. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 9, 160-166.	0.4	3