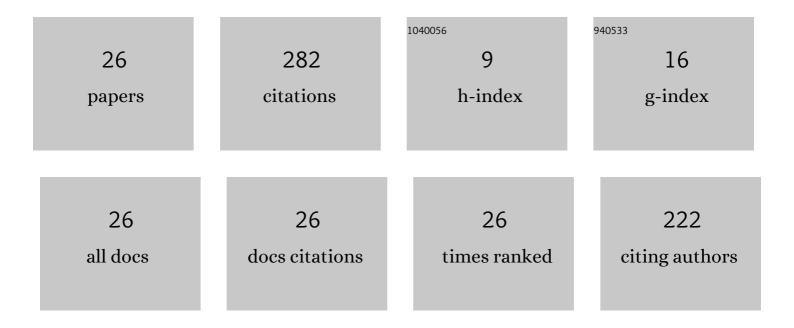
## Pu Gao

## List of Publications by Year in descending order

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Du Cao

#	Article	IF	CITATIONS
1	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
2	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
3	Design of the frequency tuning scheme for a semi-active vibration absorber. Mechanism and Machine Theory, 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. Nonlinear Dynamics, 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. Mechanical Systems and Signal Processing, 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. Journal of Vibration and Acoustics, Transactions of the ASME, 2020, 142, .	1.6	14
7	A new magnetorheological elastomer torsional vibration absorber: structural design and performance test. Mechanical Sciences, 2021, 12, 321-332.	1.0	13
8	Experimental and theoretical study of temperature-dependent variable stiffness of magnetorheological elastomers. International Journal of Materials Research, 2018, 109, 113-128.	0.3	12
9	Temperature-dependent noise tendency prediction of the disc braking system. Mechanical Systems and Signal Processing, 2021, 149, 107189.	8.0	10
10	Vibration reduction performance parameters matching for adaptive tunable vibration absorber. Journal of Intelligent Material Systems and Structures, 2019, 30, 198-212.	2.5	8
11	Modal Based Rotating Disc Model for Disc Brake Squeal. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 8, 16-21.	0.4	7
12	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
13	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
14	Optimization of the frequency tracking scheme for an adaptively tuned vibration absorber. Journal of Sound and Vibration, 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. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 920-932.	1.9	4
16	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
17	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
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

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#	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