

# Guoliang Hu

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

469  
citations

623734

14  
h-index

713466

21  
g-index

34  
all docs

34  
docs citations

34  
times ranked

250  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of a compact annular-radial-orifice flow magnetorheological valve and evaluation of its performance. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 1322-1333.	2.5	41
2	Vibration control of semi-active suspension system with magnetorheological damper based on hyperbolic tangent model. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401769458.	1.6	36
3	Design, Analysis, and Experimental Evaluation of a Double Coil Magnetorheological Fluid Damper. <i>Shock and Vibration</i> , 2016, 2016, 1-12.	0.6	32
4	Performance evaluation of an improved radial magnetorheological valve and its application in the valve controlled cylinder system. <i>Smart Materials and Structures</i> , 2019, 28, 047003.	3.5	32
5	Earth pressure balance control for EPB shield. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 2840-2848.	0.9	27
6	Design and development of a novel displacement differential self-induced magnetorheological damper. <i>Journal of Intelligent Material Systems and Structures</i> , 2015, 26, 527-540.	2.5	27
7	Design, Analysis, Prototyping, and Experimental Evaluation of an Efficient Double Coil Magnetorheological Valve. <i>Advances in Mechanical Engineering</i> , 2014, 6, 403410.	1.6	24
8	Design and performance evaluation of a novel magnetorheological valve with a tunable resistance gap. <i>Smart Materials and Structures</i> , 2014, 23, 127001.	3.5	23
9	Development of a self-sensing magnetorheological damper with magnets in-line coil mechanism. <i>Sensors and Actuators A: Physical</i> , 2017, 255, 71-78.	4.1	22
10	Torque Characteristics Analysis of a Magnetorheological Brake with Double Brake Disc. <i>Actuators</i> , 2021, 10, 23.	2.3	21
11	Damping performance analysis of magnetorheological damper with serial-type flow channels. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401881684.	1.6	19
12	Performance Analysis of a Novel Magnetorheological Damper with Displacement Self-Sensing and Energy Harvesting Capability. <i>Journal of Vibration Engineering and Technologies</i> , 2021, 9, 85-103.	2.2	18
13	A new magnetorheological damper with improved displacement differential self-induced ability. <i>Smart Materials and Structures</i> , 2015, 24, 087001.	3.5	15
14	Performance Analysis of a Magnetorheological Damper with Energy Harvesting Ability. <i>Shock and Vibration</i> , 2016, 2016, 1-10.	0.6	14
15	Performance Analysis of Rotary Magnetorheological Brake With Multiple Fluid Flow Channels. <i>IEEE Access</i> , 2020, 8, 173323-173335.	4.2	14
16	Development and Evaluation of a MR Damper With Enhanced Effective Gap Lengths. <i>IEEE Access</i> , 2020, 8, 156347-156361.	4.2	14
17	Fuzzy Sliding Mode Control of Vehicle Magnetorheological Semi-Active Air Suspension. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10925.	2.5	13
18	Optimal design and performance analysis of magnetorheological damper based on multiphysics coupling model. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 558, 169527.	2.3	11

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19	Damping Performance Analysis of Magnetorheological Damper Based on Multiphysics Coupling. <i>Actuators</i> , 2021, 10, 176.	2.3	9
20	Performance Analysis of Magnetorheological Damper with Folded Resistance Gaps and Bending Magnetic Circuit. <i>Actuators</i> , 2022, 11, 165.	2.3	7
21	Optimal design of magnetorheological damper with multiple axial fluid flow channels using BP neural network and particle swarm optimization methodologies. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2021, 67, 339-360.	0.6	6
22	Design and Trajectory Tracking Control of a Magnetorheological Prosthetic Knee Joint. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8305.	2.5	6
23	Analysis of jet characteristics and structural optimization of a liquamatic fire water monitor with self-swinging mechanism. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 59, 805-813.	3.0	5
24	Optimal Design and Performance Analysis of Radial MR Valve with Single Excitation Coil. <i>Actuators</i> , 2021, 10, 34.	2.3	5
25	Design and Key Technology Research into Auto-Targeting Fire Extinguishing System of Interior Large Space. , 2010, , .		4
26	Dynamic Performance Analysis of a Compact Annular-Radial-Orifice Flow Magnetorheological Valve and Its Application in the Valve Controlled Cylinder System. <i>Actuators</i> , 2021, 10, 104.	2.3	4
27	Proton Pump Inhibitors and In-Hospital Gastrointestinal Bleeding in Patients With Acute Coronary Syndrome Receiving Dual Antiplatelet Therapy. <i>Mayo Clinic Proceedings</i> , 2022, 97, 682-692.	3.0	4
28	Multi-Objective Optimization Design and Dynamic Performance Analysis of an Enhanced Radial Magnetorheological Valve with Both Annular and Radial Flow Paths. <i>Actuators</i> , 2022, 11, 120.	2.3	4
29	Effects of Winding Cylinder Materials on Dynamic Performances of a New MR Damper. <i>IEEE Access</i> , 2020, 8, 87829-87841.	4.2	3
30	Development and Performance Analysis of a New Self-Powered Magnetorheological Damper with Energy-Harvesting Capability. <i>Energies</i> , 2021, 14, 6166.	3.1	3
31	Development and performance evaluation of rotary magnetorheological damper with T-shape rotor for seat suspension. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	1.6	3
32	Design of Intelligent Fire Extinguishing System of Interior Large Space. , 2010, , .		1
33	Design and numerical simulation of the liquamatic fire water monitor with vavle-controlled cylinder device. , 2010, , .		1
34	The Parametric Modeling and Optimization for Cutter Head of Shield Tunneling Machine. , 2010, , .		1