Faramarz Gordaninejad

List of Publications by Citations

29 papers	676 citations	15 h-index	25 g-index
32 ext. papers	770 ext. citations	2.5 avg, IF	3.94 L-index

#	Paper	IF	Citations
29	Study of magnetorheological fluids at high shear rates. *Rheologica Acta*, **2006**, 45, 899-908	2.3	81
28	Development and characterization of hydrocarbon polyol polyurethane and silicone magnetorheological polymeric gels. *Journal of Applied Polymer Science*, **2004**, 92, 1176-1182	2.9	64
27	Flow Analysis and Modeling of Field-Controllable, Electro- and Magneto-Rheological Fluid Dampers. *Journal of Applied Mechanics, Transactions ASME*, **2007**, 74, 13-22	2.7	62
26	Development and characterization of magnetorheological polymer gels. *Journal of Applied Polymer Science*, **2002**, 84, 2733-2742	2.9	61
25	A comparative study of thermal behavior of iron and copper nanofluids. *Journal of Applied Physics*, **2009**, 106, 064307	2.5	49
24	A Semi-Active, High-Torque, Magnetorheological Fluid Limited Slip Differential Clutch. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2006**, 128, 604-610	1.6	43
23	Response time of magnetorheological fluids and magnetorheological valves under various flow conditions. *Journal of Intelligent Material Systems and Structures*, **2012**, 23, 949-957	2.3	40
22	Surface polymerization of iron particles for magnetorheological elastomers. *Journal of Applied Polymer Science*, **2010**, 117, 934-942	2.9	38
21	Behavior of magnetorheological elastomers with coated particles. *Smart Materials and Structures*, **2015**, 24, 035026	3.4	26
20	A New Bypass Magnetorheological Fluid Damper. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2007**, 129, 641-647	1.6	26
19	Effects of temperature on performance of compressible magnetorheological fluid suspension systems. *Journal of Intelligent Material Systems and Structures*, **2018**, 29, 41-51	2.3	20
18	A high-force controllable MR fluid damper–liquid spring suspension system. *Smart Materials and Structures*, **2014**, 23, 015021	3.4	19
17	Comparative Study on Vibration Control of a Scaled Bridge Using Fail-Safe Magneto-Rheological Fluid Dampers. *Journal of Structural Engineering*, **2005**, 131, 743-751	3	19
16	Performance of a large-scale magnetorheological elastomer-based vibration isolator for highway bridges. *Journal of Intelligent Material Systems and Structures*, **2018**, 29, 3890-3901	2.3	19
15	Surface coated iron particles via atom transfer radical polymerization for thermally oxidatively stable high viscosity magnetorheological fluid. *Journal of Applied Polymer Science*, **2013**, 128, 470-480	2.9	16
14	Compressible magnetorheological fluids. *Journal of Applied Polymer Science*, **2010**, 115, 3348-3356	2.9	12
13	A compressible magneto-rheological fluid damper-liquid spring system. *International Journal of Vehicle Design*, **2013**, 63, 256	2.4	9

List of Publications

12	Displacement/velocity-based control of a liquid spring MR damper for vertical isolation. *Structural Control and Health Monitoring*, **2019**, 26, e2363	4.5	8
11	Two-way controllable magnetorheological elastomer mount for shock and vibration mitigation. *Smart Materials and Structures*, **2020**, 29, 024002	3.4	8
10	A liquid spring magnetorheological damper system under combined axial and shear loading for three-dimensional seismic isolation of structures. *Journal of Intelligent Material Systems and Structures*, **2018**, 29, 3517-3532	2.3	8
9	Effect of Wall Roughness on Laminar Flow of Bingham Plastic Fluids through Microtubes. *Journal of Fluids Engineering, Transactions of the ASME*, **2004**, 126, 880-883	2.1	8
8	Compressible Magnetorheological Fluids Based on Composite Polyurethane Microspheres. *Macromolecular Materials and Engineering*, **2013**, 298, 888-895	3.9	7
7	Performance of natural rubber and silicone-based magnetorheological elastomers under large-strain combined axial and shear loading. *Journal of Intelligent Material Systems and Structures*, **2019**, 30, 228-242	2.3	7
6	Parameters Affecting Dynamics of Three-Dimensional Seismic Isolation. *Journal of Earthquake Engineering*, **2021**, 25, 730-755	1.8	7
5	Assessment of Steel and Fiber Reinforced Plastic Jackets for Seismic Retrofit of Reinforced Concrete Columns with Structural Flares. *Journal of Structural Engineering*, **2004**, 130, 609-617	3	4
4	Design and Performance of an Electro-Rheological Grease (ERG) Shock Absorber. *International Journal of Modern Physics B*, **1999**, 13, 2135-2142	1.1	4
3	Seismic Control of Base Isolated Structures Using Novel Magnetorheological Elastomeric Bearings **2013**,		3
2	Effects of temperature on performance of a compressible magnetorheological fluid damper-liquid spring suspension system **2011**,		3
1	Shock attenuation mechanisms of magnetorheological elastomers absorbers: A theoretical analysis. *Journal of Composite Materials*, **2017**, 51, 721-730	2.7	2