

# Umanath Poojary

## List of Publications by Year in descending order

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Version: 2024-02-01

11  
papers

119  
citations

1306789

7  
h-index

1473754

9  
g-index

11  
all docs

11  
docs citations

11  
times ranked

125  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation on the effect of carbon nanotube additive on the field-induced viscoelastic properties of magnetorheological elastomer. <i>Journal of Materials Science</i> , 2018, 53, 4229-4241.	1.7	30
2	Dynamic blocked transfer stiffness method of characterizing the magnetic field and frequency dependent dynamic viscoelastic properties of MRE. <i>Korea Australia Rheology Journal</i> , 2016, 28, 301-313.	0.7	19
3	Integer and Fractional Order-Based Viscoelastic Constitutive Modeling to Predict the Frequency and Magnetic Field-Induced Properties of Magnetorheological Elastomer. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2018, 140, .	1.0	19
4	Experimental investigation on the effect of magnetic field on strain dependent dynamic stiffness of magnetorheological elastomer. <i>Rheologica Acta</i> , 2016, 55, 993-1001.	1.1	12
5	A novel approach to characterize the magnetic field and frequency dependent dynamic properties of magnetorheological elastomer for torsional loading conditions. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 498, 166169.	1.0	11
6	Dynamic deformationâ€“dependent magnetic fieldâ€“induced force transmissibility characteristics of magnetorheological elastomer. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 1491-1500.	1.4	10
7	Magnetic field and frequency dependent LVE limit characterization of magnetorheological elastomer. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 1365-1373.	0.8	9
8	Material modeling of frequency, magnetic field and strain dependent response of magnetorheological elastomer. <i>Journal of Materials Science</i> , 2021, 56, 15752-15766.	1.7	4
9	Fractional-order viscoelastic modeling of the magnetic field dependent transmissibility response of MRE isolator. <i>Journal of Intelligent Material Systems and Structures</i> , 0, , 1045389X2210871.	1.4	3
10	Dynamic response of a MRE sandwich structure under a non-homogenous magnetic field. <i>Journal of the Korean Physical Society</i> , 2021, 79, 864.	0.3	1
11	Developing the viscoelastic model and model-based fuzzy controller for the MRE isolator for the wide frequency range vibration isolation. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2022, 44, .	0.8	1