

Keegan J Moore

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

470
citations

623188

14
h-index

713013

21
g-index

33
all docs

33
docs citations

33
times ranked

285
citing authors

#	ARTICLE	IF	CITATIONS
1	Wavelet-bounded empirical mode decomposition for measured time series analysis. <i>Mechanical Systems and Signal Processing</i> , 2018, 99, 14-29.	4.4	58
2	Nonreciprocity in the dynamics of coupled oscillators with nonlinearity, asymmetry, and scale hierarchy. <i>Physical Review E</i> , 2018, 97, 012219.	0.8	49
3	Strong geometric softening—hardening nonlinearities in an oscillator composed of linear stiffness and damping elements. <i>International Journal of Non-Linear Mechanics</i> , 2018, 107, 94-111.	1.4	39
4	Acoustic nonreciprocity in a lattice incorporating nonlinearity, asymmetry, and internal scale hierarchy: Experimental study. <i>Physical Review E</i> , 2018, 97, 052211.	0.8	39
5	Box-cox-sparse-measures-based blind filtering: Understanding the difference between the maximum kurtosis deconvolution and the minimum entropy deconvolution. <i>Mechanical Systems and Signal Processing</i> , 2022, 165, 108376.	4.4	36
6	Hidden Markov Model based Stochastic Resonance and its Application to Bearing Fault Diagnosis. <i>Journal of Sound and Vibration</i> , 2022, 528, 116890.	2.1	33
7	Targeted energy transfers and passive acoustic wave redirection in a two-dimensional granular network under periodic excitation. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	21
8	Characteristic nonlinear system identification of local attachments with clearance nonlinearities. <i>Nonlinear Dynamics</i> , 2020, 102, 1667-1684.	2.7	21
9	Measurement and identification of the nonlinear dynamics of a jointed structure using full-field data, Part I: Measurement of nonlinear dynamics. <i>Mechanical Systems and Signal Processing</i> , 2022, 166, 108401.	4.4	20
10	Nonlinear model updating applied to the IMAC XXXII Round Robin benchmark system. <i>Mechanical Systems and Signal Processing</i> , 2017, 88, 111-122.	4.4	17
11	Wavelet-bounded empirical mode decomposition for vibro-impact analysis. <i>Nonlinear Dynamics</i> , 2018, 93, 1559-1577.	2.7	17
12	Characteristic nonlinear system identification: A data-driven approach for local nonlinear attachments. <i>Mechanical Systems and Signal Processing</i> , 2019, 131, 335-347.	4.4	17
13	Measurement and identification of the nonlinear dynamics of a jointed structure using full-field data; Part II - Nonlinear system identification. <i>Mechanical Systems and Signal Processing</i> , 2022, 166, 108402.	4.4	17
14	Time-series-based nonlinear system identification of strongly nonlinear attachments. <i>Journal of Sound and Vibration</i> , 2019, 438, 13-32.	2.1	16
15	Nonlinear Parameter Identification of a Mechanical Interface Based on Primary Wave Scattering. <i>Experimental Mechanics</i> , 2017, 57, 1495-1508.	1.1	13
16	Direct detection of nonlinear modal interactions from time series measurements. <i>Mechanical Systems and Signal Processing</i> , 2019, 125, 311-329.	4.4	13
17	Local Nonlinear Stores Induce Global Dynamical Effects in an Experimental Model Plane. <i>AIAA Journal</i> , 2019, 57, 4953-4965.	1.5	12
18	Identification of multiple local nonlinear attachments using a single measurement case. <i>Journal of Sound and Vibration</i> , 2021, 513, 116410.	2.1	9

#	ARTICLE	IF	CITATIONS
19	Wave non-reciprocity at a nonlinear structural interface. <i>Acta Mechanica</i> , 2018, 229, 4057-4070.	1.1	5
20	On nonlinear energy flows in nonlinearly coupled oscillators with equal mass. <i>Nonlinear Dynamics</i> , 2021, 103, 343-366.	2.7	4
21	Dynamic interactions between two axially aligned threaded joints undergoing loosening. <i>Journal of Sound and Vibration</i> , 2022, 520, 116625.	2.1	4
22	A Reduced-Order Model for Loosening of Bolted Joints Subjected to Axial Shock Excitation. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2019, 86, .	1.1	3
23	Effects of Nonlinear Stores on the Dynamics of a Computational Model Airplane. <i>Journal of Aircraft</i> , 2020, 57, 938-957.	1.7	1
24	An Open-Source, Scalable, Low-Cost Automatic Modal Hammer for Studying Nonlinear Dynamical Systems. <i>Experimental Techniques</i> , 0, , 1.	0.9	1
25	Nonlinear System Identification of a Jointed Structure Using Full-Field Data: Part II Analysis. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2021, , 185-188.	0.3	1
26	Nonlinear System Identification of Mechanical Interfaces Based on Wave Scattering. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 333-339.	0.3	0
27	Nonlinear Model Updating Methodology with Application to the IMAC XXXIII Round Robin Benchmark Problem. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 343-347.	0.3	0
28	Direct Detection of Nonlinear Modal Interactions and Model Updating Using Measured Time Series. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019, , 23-25.	0.3	0
29	Local nonlinear stores induce global modal interactions in the steady-state dynamics of a model airplane. <i>Journal of Sound and Vibration</i> , 2021, 500, 116020.	2.1	0
30	Joint Interface Contact Area Predictions Using Surface Strain Measurements. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2022, , 193-195.	0.3	0
31	Component-scaled signal reconstruction for enhanced noise filtration. <i>JVC/Journal of Vibration and Control</i> , 0, , 107754632110514.	1.5	0