

# Keegan J Moore

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

470  
citations

623734

14  
h-index

713466

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. Mechanical Systems and Signal Processing, 2018, 99, 14-29.	8.0	58
2	Nonreciprocity in the dynamics of coupled oscillators with nonlinearity, asymmetry, and scale hierarchy. Physical Review E, 2018, 97, 012219.	2.1	49
3	Strong geometric softening&ldquo;hardening nonlinearities in an oscillator composed of linear stiffness and damping elements. International Journal of Non-Linear Mechanics, 2018, 107, 94-111.	2.6	39
4	Acoustic nonreciprocity in a lattice incorporating nonlinearity, asymmetry, and internal scale hierarchy: Experimental study. Physical Review E, 2018, 97, 052211.	2.1	39
5	Box-cox-sparse-measures-based blind filtering: Understanding the difference between the maximum kurtosis deconvolution and the minimum entropy deconvolution. Mechanical Systems and Signal Processing, 2022, 165, 108376.	8.0	36
6	Hidden Markov Model based Stochastic Resonance and its Application to Bearing Fault Diagnosis. Journal of Sound and Vibration, 2022, 528, 116890.	3.9	33
7	Targeted energy transfers and passive acoustic wave redirection in a two-dimensional granular network under periodic excitation. Journal of Applied Physics, 2015, 118, .	2.5	21
8	Characteristic nonlinear system identification of local attachments with clearance nonlinearities. Nonlinear Dynamics, 2020, 102, 1667-1684.	5.2	21
9	Measurement and identification of the nonlinear dynamics of a jointed structure using full-field data, Part I: Measurement of nonlinear dynamics. Mechanical Systems and Signal Processing, 2022, 166, 108401.	8.0	20
10	Nonlinear model updating applied to the IMAC XXXII Round Robin benchmark system. Mechanical Systems and Signal Processing, 2017, 88, 111-122.	8.0	17
11	Wavelet-bounded empirical mode decomposition for vibro-impact analysis. Nonlinear Dynamics, 2018, 93, 1559-1577.	5.2	17
12	Characteristic nonlinear system identification: A data-driven approach for local nonlinear attachments. Mechanical Systems and Signal Processing, 2019, 131, 335-347.	8.0	17
13	Measurement and identification of the nonlinear dynamics of a jointed structure using full-field data; Part II - Nonlinear system identification. Mechanical Systems and Signal Processing, 2022, 166, 108402.	8.0	17
14	Time-series-based nonlinear system identification of strongly nonlinear attachments. Journal of Sound and Vibration, 2019, 438, 13-32.	3.9	16
15	Nonlinear Parameter Identification of a Mechanical Interface Based on Primary Wave Scattering. Experimental Mechanics, 2017, 57, 1495-1508.	2.0	13
16	Direct detection of nonlinear modal interactions from time series measurements. Mechanical Systems and Signal Processing, 2019, 125, 311-329.	8.0	13
17	Local Nonlinear Stores Induce Global Dynamical Effects in an Experimental Model Plane. AIAA Journal, 2019, 57, 4953-4965.	2.6	12
18	Identification of multiple local nonlinear attachments using a single measurement case. Journal of Sound and Vibration, 2021, 513, 116410.	3.9	9

#	ARTICLE	IF	CITATIONS
19	Wave non-reciprocity at a nonlinear structural interface. Acta Mechanica, 2018, 229, 4057-4070.	2.1	5
20	On nonlinear energy flows in nonlinearly coupled oscillators with equal mass. Nonlinear Dynamics, 2021, 103, 343-366.	5.2	4
21	Dynamic interactions between two axially aligned threaded joints undergoing loosening. Journal of Sound and Vibration, 2022, 520, 116625.	3.9	4
22	A Reduced-Order Model for Loosening of Bolted Joints Subjected to Axial Shock Excitation. Journal of Applied Mechanics, Transactions ASME, 2019, 86, .	2.2	3
23	Effects of Nonlinear Stores on the Dynamics of a Computational Model Airplane. Journal of Aircraft, 2020, 57, 938-957.	2.4	1
24	An Open-Source, Scalable, Low-Cost Automatic Modal Hammer for Studying Nonlinear Dynamical Systems. Experimental Techniques, 0, , 1.	1.5	1
25	Nonlinear System Identification of a Jointed Structure Using Full-Field Data: Part II Analysis. Conference Proceedings of the Society for Experimental Mechanics, 2021, , 185-188.	0.5	1
26	Nonlinear System Identification of Mechanical Interfaces Based on Wave Scattering. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 333-339.	0.5	0
27	Nonlinear Model Updating Methodology with Application to the IMAC XXXIII Round Robin Benchmark Problem. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 343-347.	0.5	0
28	Direct Detection of Nonlinear Modal Interactions and Model Updating Using Measured Time Series. Conference Proceedings of the Society for Experimental Mechanics, 2019, , 23-25.	0.5	0
29	Local nonlinear stores induce global modal interactions in the steady-state dynamics of a model airplane. Journal of Sound and Vibration, 2021, 500, 116020.	3.9	0
30	Joint Interface Contact Area Predictions Using Surface Strain Measurements. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 193-195.	0.5	0
31	Component-scaled signal reconstruction for enhanced noise filtration. JVC/Journal of Vibration and Control, 0, , 107754632110514.	2.6	0