

Yekai Sun

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Computation of damped nonlinear normal modes for large scale nonlinear systems in a self-adaptive modal subspace. <i>Mechanical Systems and Signal Processing</i> , 2022, 162, 108082.	8.0	12
2	Geometric design of friction ring dampers in blisks using nonlinear modal analysis and Kriging surrogate model. <i>Structural and Multidisciplinary Optimization</i> , 2022, 65, 1.	3.5	8
3	An extended energy balance method for resonance prediction in forced response of systems with non-conservative nonlinearities using damped nonlinear normal mode. <i>Nonlinear Dynamics</i> , 2021, 103, 3315-3333.	5.2	16
4	A Study of the Contact Interface for Compressor Blisks with Ring Dampers Using Nonlinear Modal Analysis. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1081, 012041.	0.6	2
5	Nonlinear Modal Analysis of Frictional Ring Damper for Compressor Blisk. <i>Journal of Engineering for Gas Turbines and Power</i> , 2021, 143, .	1.1	11
6	Comparison of different methodologies for the computation of damped nonlinear normal modes and resonance prediction of systems with non-conservative nonlinearities. <i>Nonlinear Dynamics</i> , 2021, 104, 3077-3107.	5.2	8
7	Parametric Study and Uncertainty Quantification of the Nonlinear Modal Properties of Frictional Dampers. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2020, 142, .	1.6	22
8	Nonlinear Modal Analysis of Frictional Ring Damper for Compressor Blisk. , 2020, , .		0
9	Nonlinear Vibrational Analysis for Integrally Bladed Disk Using Frictional Ring Damper. <i>Journal of Physics: Conference Series</i> , 2018, 1106, 012026.	0.4	9