

Shancheng Cao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Robust damage localization in plate-type structures by using an enhanced robust principal component analysis and data fusion technique. <i>Mechanical Systems and Signal Processing</i> , 2022, 162, 108091.	8.0	9
2	Modal analysis and damage localization in plate-type structures via TDD and PE methods based on the data of an integrated highspeed camera system. <i>Mechanical Systems and Signal Processing</i> , 2022, 178, 109309.	8.0	8
3	Robust multi-damage localization in plate-type structures via adaptive denoising and data fusion based on full-field vibration measurements. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 178, 109393.	5.0	7
4	Time-domain Spectral Finite Element Method for Wave Propagation Analysis in Structures with Breathing Cracks. <i>Acta Mechanica Solida Sinica</i> , 2020, 33, 812-822.	1.9	13
5	Modal Strain Energy-Based Model Updating Method for Damage Identification on Beam-Like Structures. <i>Journal of Structural Engineering</i> , 2020, 146, .	3.4	15
6	Baseline-Free Adaptive Crack Localization for Operating Stepped Rotors Based on Multiscale Data Fusion. <i>Sensors</i> , 2020, 20, 5693.	3.8	1
7	Robust Baseline-Free Damage Localization by Using Locally Perturbed Dynamic Equilibrium and Data Fusion Technique. <i>Sensors</i> , 2020, 20, 5964.	3.8	2
8	Crack localization in stepped rotors based on Bayesian fusion of multiscale superharmonic characteristic deflection shapes. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 2200-2213.	3.4	6
9	Adaptive damage localization based on locally perturbed dynamic equilibrium and hierarchical clustering. <i>Smart Materials and Structures</i> , 2019, 28, 075003.	3.5	5
10	Baseline-free adaptive damage localization of plate-type structures by using robust PCA and Gaussian smoothing. <i>Mechanical Systems and Signal Processing</i> , 2019, 122, 232-246.	8.0	18
11	Baseline-free multidamage identification in plate-like structures by using multiscale approach and low-rank modelling. <i>Structural Control and Health Monitoring</i> , 2019, 26, e2293.	4.0	12
12	Robust multi-damage localisation using common eigenvector analysis and covariance matrix changes. <i>Mechanical Systems and Signal Processing</i> , 2018, 111, 663-677.	8.0	19
13	Output-Only Damage Identification Using Enhanced Structural Characteristic Deflection Shapes and Adaptive Gapped Smoothing Method. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2018, 140, .	1.6	6
14	Dynamic Responses of a Four-Span Continuous Plate Structure Subjected to Moving Cars With Time-Varying Speeds. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2018, 140, .	1.6	8
15	Robust structural damage detection and localization based on joint approximate diagonalization technique in frequency domain. <i>Smart Materials and Structures</i> , 2017, 26, 015005.	3.5	13
16	Localization of breathing cracks in stepped rotors using superharmonic characteristic deflection shapes based on singular value decomposition in frequency domain. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 1825-1837.	3.4	15
17	Multicrack Localization in Rotors Based on Proper Orthogonal Decomposition Using Fractal Dimension and Gapped Smoothing Method. <i>Shock and Vibration</i> , 2016, 2016, 1-17.	0.6	5