

Shancheng Cao

List of Publications by Year in descending order

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papers

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1163117

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17
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docs citations

17
times ranked

131
citing authors

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