

Andy Nguyen

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

658
citations

516710

16
h-index

580821

25
g-index

38
all docs

38
docs citations

38
times ranked

480
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibration characteristics and damage detection in a suspension bridge. <i>Journal of Sound and Vibration</i> , 2016, 375, 254-274.	3.9	64
2	Back-Propagation Neural Network Optimized by K-Fold Cross-Validation for Prediction of Torsional Strength of Reinforced Concrete Beam. <i>Materials</i> , 2022, 15, 1477.	2.9	45
3	Development of a cost-effective and flexible vibration DAQ system for long-term continuous structural health monitoring. <i>Mechanical Systems and Signal Processing</i> , 2015, 64-65, 313-324.	8.0	38
4	Identification of vehicle axle loads from bridge responses using preconditioned least square QR-factorization algorithm. <i>Mechanical Systems and Signal Processing</i> , 2019, 128, 479-496.	8.0	37
5	A new method for locating and quantifying damage in beams from static deflection changes. <i>Engineering Structures</i> , 2019, 180, 779-792.	5.3	35
6	A Critical Review on Structural Health Monitoring: Definitions, Methods, and Perspectives. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 2209-2235.	10.2	34
7	Damage detection and quantification in deck type arch bridges using vibration based methods and artificial neural networks. <i>Engineering Failure Analysis</i> , 2020, 109, 104265.	4.0	32
8	Very sensitive fiber Bragg grating accelerometer using transverse forces with an easy over-range protection and low cross axial sensitivity. <i>Applied Optics</i> , 2013, 52, 6401.	1.8	31
9	Moving force identification based on modified preconditioned conjugate gradient method. <i>Journal of Sound and Vibration</i> , 2018, 423, 100-117.	3.9	28
10	Controlled Monte Carlo data generation for statistical damage identification employing Mahalanobis squared distance. <i>Structural Health Monitoring</i> , 2014, 13, 461-472.	7.5	27
11	Field validation of controlled Monte Carlo data generation for statistical damage identification employing Mahalanobis squared distance. <i>Structural Health Monitoring</i> , 2014, 13, 473-488.	7.5	25
12	Reliability-based load-carrying capacity assessment of bridges using structural health monitoring and nonlinear analysis. <i>Structural Health Monitoring</i> , 2019, 18, 20-34.	7.5	24
13	Toward efficacy of piecewise polynomial truncated singular value decomposition algorithm in moving force identification. <i>Advances in Structural Engineering</i> , 2019, 22, 2687-2698.	2.4	23
14	Deterioration assessment of buildings using an improved hybrid model updating approach and long-term health monitoring data. <i>Structural Health Monitoring</i> , 2019, 18, 5-19.	7.5	21
15	Supervised damage and deterioration detection in building structures using an enhanced autoregressive time-series approach. <i>Journal of Building Engineering</i> , 2020, 30, 101292.	3.4	20
16	Predicting elastic modulus degradation of alkali silica reaction affected concrete using soft computing techniques: A comparative study. <i>Construction and Building Materials</i> , 2021, 274, 122024.	7.2	19
17	Damage detection in asymmetric buildings using vibration-based techniques. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2148.	4.0	18
18	Vibration-based dual-criteria approach for damage detection in arch bridges. <i>Structural Health Monitoring</i> , 2019, 18, 2004-2019.	7.5	17

#	ARTICLE	IF	CITATIONS
19	Damage identification in a complex truss structure using modal characteristics correlation method and sensitivity-weighted search space. <i>Structural Health Monitoring</i> , 2019, 18, 49-65.	7.5	14
20	Locating and Quantifying Damage in Deck Type Arch Bridges Using Frequency Response Functions and Artificial Neural Networks. <i>International Journal of Structural Stability and Dynamics</i> , 2020, 20, 2042010.	2.4	14
21	Locating and Quantifying Damage in Beam-like Structures Using Modal Flexibility-based Deflection Changes. <i>International Journal of Structural Stability and Dynamics</i> , 2020, 20, 2042008.	2.4	14
22	Latest Advances in Finite Element Modelling and Model Updating of Cable-Stayed Bridges. <i>Infrastructures</i> , 2022, 7, 8.	2.8	13
23	Structural Deterioration Detection Using Enhanced Autoregressive Residuals. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850160.	2.4	11
24	Method development of damage detection in asymmetric buildings. <i>Journal of Sound and Vibration</i> , 2018, 413, 41-56.	3.9	10
25	A Nonparametric Method for Identifying Structural Damage in Bridges Based on the Best-Fit Auto-Regressive Models. <i>International Journal of Structural Stability and Dynamics</i> , 2020, 20, 2042012.	2.4	8
26	Synergic identification of prestress force and moving load on prestressed concrete beam based on virtual distortion method. <i>Smart Structures and Systems</i> , 2016, 17, 917-933.	1.9	7
27	Modelling techniques for structural evaluation for bridge assessment. <i>Journal of Civil Structural Health Monitoring</i> , 2018, 8, 271-283.	3.9	6
28	Capacity Estimation of Beam-Like Structures Using Substructural Method. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850162.	2.4	3
29	Structural Deterioration Localization Using Enhanced Autoregressive Time-Series Analysis. <i>International Journal of Structural Stability and Dynamics</i> , 2020, 20, 2042013.	2.4	3
30	Damage assessment of concrete gravity dams using vibration characteristics. , 2016, , 1890-1895.		3
31	A novel approach for deterioration and damage identification in building structures based on Stockwell-Transform and deep convolutional neural network. <i>Journal of Structural Integrity and Maintenance</i> , 2022, 7, 136-150.	1.5	3
32	Model updating incorporating measured response uncertainties and confidence levels of tuning parameters. <i>International Journal of Lifecycle Performance Engineering</i> , 2016, 2, 61.	0.2	2
33	Toward effective structural identification of medium-rise building structures. <i>Journal of Civil Structural Health Monitoring</i> , 2018, 8, 63-75.	3.9	2
34	The effect of routine hoof trimming on midstance regional hoof kinetics at walk. <i>Comparative Exercise Physiology</i> , 2019, 15, 167-171.	0.6	1
35	Prestress evaluation in prestressed concrete plate-like structures. <i>International Journal of Lifecycle Performance Engineering</i> , 2018, 2, 127.	0.2	0
36	Preface: Recent Research Advances on Structural Health Monitoring of Civil Engineering Structures. <i>International Journal of Structural Stability and Dynamics</i> , 2020, 20, 2002002.	2.4	0

#	ARTICLE	IF	CITATIONS
37	Damage Identification of Civil Structures Using Modal Kinetic Energy Change Approach. Lecture Notes in Civil Engineering, 2020, , 921-930.	0.4	0