

# Andy Nguyen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1791924/publications.pdf>

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	A Critical Review on Structural Health Monitoring: Definitions, Methods, and Perspectives. Archives of Computational Methods in Engineering, 2022, 29, 2209-2235.	10.2	34
2	Latest Advances in Finite Element Modelling and Model Updating of Cable-Stayed Bridges. Infrastructures, 2022, 7, 8.	2.8	13
3	Back-Propagation Neural Network Optimized by K-Fold Cross-Validation for Prediction of Torsional Strength of Reinforced Concrete Beam. Materials, 2022, 15, 1477.	2.9	45
4	A novel approach for deterioration and damage identification in building structures based on Stockwell-Transform and deep convolutional neural network. Journal of Structural Integrity and Maintenance, 2022, 7, 136-150.	1.5	3
5	Predicting elastic modulus degradation of alkali silica reaction affected concrete using soft computing techniques: A comparative study. Construction and Building Materials, 2021, 274, 122024.	7.2	19
6	Damage detection and quantification in deck type arch bridges using vibration based methods and artificial neural networks. Engineering Failure Analysis, 2020, 109, 104265.	4.0	32
7	A Nonparametric Method for Identifying Structural Damage in Bridges Based on the Best-Fit Auto-Regressive Models. International Journal of Structural Stability and Dynamics, 2020, 20, 2042012.	2.4	8
8	Structural Deterioration Localization Using Enhanced Autoregressive Time-Series Analysis. International Journal of Structural Stability and Dynamics, 2020, 20, 2042013.	2.4	3
9	Locating and Quantifying Damage in Deck Type Arch Bridges Using Frequency Response Functions and Artificial Neural Networks. International Journal of Structural Stability and Dynamics, 2020, 20, 2042010.	2.4	14
10	Preface: Recent Research Advances on Structural Health Monitoring of Civil Engineering Structures. International Journal of Structural Stability and Dynamics, 2020, 20, 2002002.	2.4	0
11	Locating and Quantifying Damage in Beam-like Structures Using Modal Flexibility-based Deflection Changes. International Journal of Structural Stability and Dynamics, 2020, 20, 2042008.	2.4	14
12	Supervised damage and deterioration detection in building structures using an enhanced autoregressive time-series approach. Journal of Building Engineering, 2020, 30, 101292.	3.4	20
13	Damage Identification of Civil Structures Using Modal Kinetic Energy Change Approach. Lecture Notes in Civil Engineering, 2020, , 921-930.	0.4	0
14	Vibration-based dual-criteria approach for damage detection in arch bridges. Structural Health Monitoring, 2019, 18, 2004-2019.	7.5	17
15	Toward efficacy of piecewise polynomial truncated singular value decomposition algorithm in moving force identification. Advances in Structural Engineering, 2019, 22, 2687-2698.	2.4	23
16	Identification of vehicle axle loads from bridge responses using preconditioned least square QR-factorization algorithm. Mechanical Systems and Signal Processing, 2019, 128, 479-496.	8.0	37
17	Damage identification in a complex truss structure using modal characteristics correlation method and sensitivity-weighted search space. Structural Health Monitoring, 2019, 18, 49-65.	7.5	14
18	Reliability-based load-carrying capacity assessment of bridges using structural health monitoring and nonlinear analysis. Structural Health Monitoring, 2019, 18, 20-34.	7.5	24

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Moving force identification based on modified preconditioned conjugate gradient method. <i>Journal of Sound and Vibration</i> , 2018, 423, 100-117.	3.9	28
23	Damage detection in asymmetric buildings using vibration-based techniques. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2148.	4.0	18
24	Modelling techniques for structural evaluation for bridge assessment. <i>Journal of Civil Structural Health Monitoring</i> , 2018, 8, 271-283.	3.9	6
25	Toward effective structural identification of medium-rise building structures. <i>Journal of Civil Structural Health Monitoring</i> , 2018, 8, 63-75.	3.9	2
26	Method development of damage detection in asymmetric buildings. <i>Journal of Sound and Vibration</i> , 2018, 413, 41-56.	3.9	10
27	Prestress evaluation in prestressed concrete plate-like structures. <i>International Journal of Lifecycle Performance Engineering</i> , 2018, 2, 127.	0.2	0
28	Structural Deterioration Detection Using Enhanced Autoregressive Residuals. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850160.	2.4	11
29	Capacity Estimation of Beam-Like Structures Using Substructural Method. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850162.	2.4	3
30	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
31	Vibration characteristics and damage detection in a suspension bridge. <i>Journal of Sound and Vibration</i> , 2016, 375, 254-274.	3.9	64
32	Damage assessment of concrete gravity dams using vibration characteristics. , 2016, , 1890-1895.		3
33	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
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Very sensitive fiber Bragg grating accelerometer using transverse forces with an easy over-range protection and low cross axial sensitivity. Applied Optics, 2013, 52, 6401.	1.8	31