Ulrike Dackermann

List of Publications by Citations

20 papers	423 citations	12 h-index	20 g-index
20 ext. papers	499 ext. citations	3.3 avg, IF	3.7 L-index

#	Paper	IF	Citations
20	Damage identification in civil engineering structures utilizing PCA-compressed residual frequency response functions and neural network ensembles. *Structural Control and Health Monitoring*, **2011**, 18, 207-226	4.5	65
19	In situ assessment of structural timber using stress-wave measurements. *Materials and Structures/Materiaux Et Constructions*, **2014**, 47, 787-803	3.4	61
18	Damage identification based on response-only measurements using cepstrum analysis and artificial neural networks. *Structural Health Monitoring*, **2014**, 13, 430-444	4.4	44
17	Dynamic-Based Damage Identification Using Neural Network Ensembles and Damage Index Method. *Advances in Structural Engineering*, **2010**, 13, 1001-1016	1.9	36
16	Wavelet packet energy-based damage identification of wood utility poles using support vector machine multi-classifier and evidence theory. *Structural Health Monitoring*, **2019**, 18, 123-142	4.4	31
15	Identification of member connectivity and mass changes on a two-storey framed structure using frequency response functions and artificial neural networks. *Journal of Sound and Vibration*, **2013**, 332, 3636-3653	3.9	27
14	Guided wave-based condition assessment of in situ timber utility poles using machine learning algorithms. *Structural Health Monitoring*, **2014**, 13, 374-388	4.4	22
13	Elastic wave modes for the assessment of structural timber: ultrasonic echo for building elements and guided waves for pole and pile structures. *Journal of Civil Structural Health Monitoring*, **2015**, 5, 221-249	2.9	21
12	A comparative study of using static and ultrasonic material testing methods to determine the anisotropic material properties of wood. *Construction and Building Materials*, **2016**, 102, 963-976	6.7	20
11	Location and Severity Identification of Notch-Type Damage in a Two-Storey Steel Framed Structure Utilising Frequency Response Functions and Artificial Neural Network. *Advances in Structural Engineering*, **2012**, 15, 743-757	1.9	19
10	Condition Assessment of Foundation Piles and Utility Poles Based on Guided Wave Propagation Using a Network of Tactile Transducers and Support Vector Machines. *Sensors*, **2017**, 17,	3.8	18
9	Novel Hybrid Method Based on Advanced Signal Processing and Soft Computing Techniques for Condition Assessment of Timber Utility Poles. *Journal of Aerospace Engineering*, **2019**, 32, 04019032	1.4	13
8	Condition Assessment of Timber Utility Poles Based on a Hierarchical Data Fusion Model. *Journal of Computing in Civil Engineering*, **2016**, 30, 04016010	5	12
7	Cepstrum-based damage identification in structures with progressive damage. *Structural Health Monitoring*, **2019**, 18, 87-102	4.4	12
6	A dynamic-based method for the assessment of connection systems of timber composite structures. *Construction and Building Materials*, **2016**, 102, 999-1008	6.7	7
5	Damage Identification in Timber Bridges Utilising the Damage Index Method and Neural Network Ensembles. *Australian Journal of Structural Engineering*, **2009**, 9, 181-194	1.4	6
4	Load capacity prediction of in-service timber utility poles considering wind load. *Journal of Civil Structural Health Monitoring*, **2016**, 6, 385-394	2.9	5

3	FRF Sensitivity-Based Damage Identification Using Linkage Modeling for Limited Sensor Arrays. *International Journal of Structural Stability and Dynamics*, **2018**, 18, 1840002	1.9	3
2	Experimental Investigations of Material Properties of Timber Utility Poles Using Various Material Testing Approaches. *Advanced Materials Research*, **2013**, 778, 265-272	0.5	1
1	A Vibration-Based Approach for the Estimation of the Loss of Composite Action in Timber Composite Systems. *Advanced Materials Research*, **2013**, 778, 462-469	0.5	