

Keith Worden

List of Publications by Year in descending order

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464
papers

17,527
citations

23567

58
h-index

22832

112
g-index

531
all docs

531
docs citations

531
times ranked

8008
citing authors

#	ARTICLE	IF	CITATIONS
1	An introduction to structural health monitoring. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 303-315.	3.4	1,629
2	Past, present and future of nonlinear system identification in structural dynamics. Mechanical Systems and Signal Processing, 2006, 20, 505-592.	8.0	912
3	DAMAGE DETECTION USING OUTLIER ANALYSIS. Journal of Sound and Vibration, 2000, 229, 647-667.	3.9	494
4	The fundamental axioms of structural health monitoring. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2007, 463, 1639-1664.	2.1	368
5	Structural Health Monitoring Using Statistical Pattern Recognition Techniques. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2001, 123, 706-711.	1.6	308
6	Long-term monitoring and data analysis of the Tamar Bridge. Mechanical Systems and Signal Processing, 2013, 35, 16-34.	8.0	293
7	Machine learning algorithms for damage detection under operational and environmental variability. Structural Health Monitoring, 2011, 10, 559-572.	7.5	289
8	TIME-FREQUENCY ANALYSIS IN GEARBOX FAULT DETECTION USING THE WIGNER-VILLE DISTRIBUTION AND PATTERN RECOGNITION. Mechanical Systems and Signal Processing, 1997, 11, 673-692.	8.0	282
9	The application of machine learning to structural health monitoring. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 515-537.	3.4	269
10	Optimal sensor placement for fault detection. Engineering Structures, 2001, 23, 885-901.	5.3	261
11	Statistical Damage Classification Under Changing Environmental and Operational Conditions. Journal of Intelligent Material Systems and Structures, 2002, 13, 561-574.	2.5	244
12	STRUCTURAL FAULT DETECTION USING A NOVELTY MEASURE. Journal of Sound and Vibration, 1997, 201, 85-101.	3.9	239
13	Natural computing for mechanical systems research: A tutorial overview. Mechanical Systems and Signal Processing, 2011, 25, 4-111.	8.0	237
14	EXPERIMENTAL VALIDATION OF A STRUCTURAL HEALTH MONITORING METHODOLOGY: PART I. NOVELTY DETECTION ON A LABORATORY STRUCTURE. Journal of Sound and Vibration, 2003, 259, 323-343.	3.9	215
15	A review of nonlinear dynamics applications to structural health monitoring. Structural Control and Health Monitoring, 2008, 15, 540-567.	4.0	163
16	NOVELTY DETECTION IN A CHANGING ENVIRONMENT: REGRESSION AND INTERPOLATION APPROACHES. Journal of Sound and Vibration, 2002, 258, 741-761.	3.9	152
17	Cointegration: a novel approach for the removal of environmental trends in structural health monitoring data. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 2712-2732.	2.1	146
18	EXPERIMENTAL VALIDATION OF A STRUCTURAL HEALTH MONITORING METHODOLOGY: PART II. NOVELTY DETECTION ON A GNAT AIRCRAFT. Journal of Sound and Vibration, 2003, 259, 345-363.	3.9	134

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19	On damage diagnosis for a wind turbine blade using pattern recognition. <i>Journal of Sound and Vibration</i> , 2014, 333, 1833-1850.	3.9	133
20	Impact Location and Quantification on a Composite Panel using Neural Networks and a Genetic Algorithm. <i>Strain</i> , 2000, 36, 61-68.	2.4	125
21	Data processing and experiment design for the restoring force surface method, part I: integration and differentiation of measured time data. <i>Mechanical Systems and Signal Processing</i> , 1990, 4, 295-319.	8.0	121
22	IDENTIFICATION OF HYSTERETIC SYSTEMS USING THE DIFFERENTIAL EVOLUTION ALGORITHM. <i>Journal of Sound and Vibration</i> , 2001, 248, 289-314.	3.9	114
23	Sensor validation using principal component analysis. <i>Smart Materials and Structures</i> , 2005, 14, 36-42.	3.5	114
24	Locating acoustic emission sources in complex structures using Gaussian processes. <i>Mechanical Systems and Signal Processing</i> , 2010, 24, 211-223.	8.0	114
25	The benefits of Duffing-type nonlinearities and electrical optimisation of a mono-stable energy harvester under white Gaussian excitations. <i>Journal of Sound and Vibration</i> , 2012, 331, 4504-4517.	3.9	113
26	Identification of pre-sliding and sliding friction dynamics: Grey box and black-box models. <i>Mechanical Systems and Signal Processing</i> , 2007, 21, 514-534.	8.0	112
27	Fail-safe sensor distributions for impact detection in composite materials. <i>Smart Materials and Structures</i> , 2000, 9, 298-303.	3.5	106
28	EXPERIMENTAL VALIDATION OF A STRUCTURAL HEALTH MONITORING METHODOLOGY: PART III. DAMAGE LOCATION ON AN AIRCRAFT WING. <i>Journal of Sound and Vibration</i> , 2003, 259, 365-385.	3.9	102
29	Influence of the Autoregressive Model Order on Damage Detection. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2011, 26, 225-238.	9.8	102
30	Direct parameter estimation for linear and non-linear structures. <i>Journal of Sound and Vibration</i> , 1992, 152, 471-499.	3.9	99
31	A HARMONIC PROBING ALGORITHM FOR THE MULTI-INPUT VOLTERRA SERIES. <i>Journal of Sound and Vibration</i> , 1997, 201, 67-84.	3.9	99
32	Impact detection in an aircraft composite panel – A neural-network approach. <i>Journal of Sound and Vibration</i> , 2007, 299, 672-682.	3.9	99
33	On robust regression analysis as a means of exploring environmental and operational conditions for SHM data. <i>Journal of Sound and Vibration</i> , 2015, 347, 279-296.	3.9	98
34	A time-frequency analysis approach for condition monitoring of a wind turbine gearbox under varying load conditions. <i>Mechanical Systems and Signal Processing</i> , 2015, 64-65, 188-216.	8.0	97
35	Features for damage detection with insensitivity to environmental and operational variations. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012, 468, 4098-4122.	2.1	94
36	Damage identification using support vector machines. <i>Smart Materials and Structures</i> , 2001, 10, 540-547.	3.5	93

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37	An automatic impact monitor for a composite panel employing smart sensor technology. <i>Smart Materials and Structures</i> , 2005, 14, 265-271.	3.5	90
38	Feasibility study of structural damage detection using NARMAX modelling and Nonlinear Output Frequency Response Function based analysis. <i>Mechanical Systems and Signal Processing</i> , 2011, 25, 1045-1061.	8.0	90
39	Parameter estimation and model selection for a class of hysteretic systems using Bayesian inference. <i>Mechanical Systems and Signal Processing</i> , 2012, 32, 153-169.	8.0	90
40	A comparison of linear approaches to filter out environmental effects in structural health monitoring. <i>Mechanical Systems and Signal Processing</i> , 2018, 105, 1-15.	8.0	89
41	On switching response surface models, with applications to the structural health monitoring of bridges. <i>Mechanical Systems and Signal Processing</i> , 2018, 98, 139-156.	8.0	87
42	Digital Twins: State-of-the-Art and Future Directions for Modeling and Simulation in Engineering Dynamics Applications. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering</i> , 2020, 6, .	1.1	86
43	On the application of domain adaptation in structural health monitoring. <i>Mechanical Systems and Signal Processing</i> , 2020, 138, 106550.	8.0	84
44	A Bayesian approach based on a Markov-chain Monte Carlo method for damage detection under unknown sources of variability. <i>Engineering Structures</i> , 2014, 80, 1-10.	5.3	79
45	Lamb wave propagation modelling and simulation using parallel processing architecture and graphical cards. <i>Smart Materials and Structures</i> , 2012, 21, 075001.	3.5	77
46	Structural Damage Classification Using Extreme Value Statistics. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2005, 127, 125-132.	1.6	72
47	A new methodology for automating acoustic emission detection of metallic fatigue fractures in highly demanding aerospace environments: An overview. <i>Progress in Aerospace Sciences</i> , 2017, 90, 1-11.	12.1	72
48	Wavelet signal processing for enhanced Lamb-wave defect detection in composite plates using optical fiber detection. <i>Optical Engineering</i> , 1997, 36, 1877.	1.0	71
49	Multivariate statistics process control for dimensionality reduction in structural assessment. <i>Mechanical Systems and Signal Processing</i> , 2008, 22, 155-171.	8.0	71
50	Foundations of population-based SHM, Part III: Heterogeneous populations – Mapping and transfer. <i>Mechanical Systems and Signal Processing</i> , 2021, 149, 107142.	8.0	69
51	A Bayesian non-parametric clustering approach for semi-supervised Structural Health Monitoring. <i>Mechanical Systems and Signal Processing</i> , 2019, 119, 100-119.	8.0	67
52	Structural fault diagnosis and isolation using neural networks based on response-only data. <i>Computers and Structures</i> , 2003, 81, 2165-2172.	4.4	66
53	Impact damage characterisation of composite laminates using a statistical approach. <i>Composites Science and Technology</i> , 2012, 72, 1108-1120.	7.8	66
54	On impact damage detection and quantification for CFRP laminates using structural response data only. <i>Mechanical Systems and Signal Processing</i> , 2011, 25, 3135-3152.	8.0	65

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55	Rayleigh and Lamb Waves –Basic Principles. Strain, 2001, 37, 167-172.	2.4	63
56	Foundations of population-based SHM, Part I: Homogeneous populations and forms. Mechanical Systems and Signal Processing, 2021, 148, 107141.	8.0	63
57	An Introduction to Structural Health Monitoring. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2010, , 1-17.	0.6	62
58	A Performance Monitoring Approach for the Novel Lillgrund Offshore Wind Farm. IEEE Transactions on Industrial Electronics, 2015, 62, 6636-6644.	7.9	61
59	Foundations of Population-based SHM, Part II: Heterogeneous populations – Graphs, networks, and communities. Mechanical Systems and Signal Processing, 2021, 148, 107144.	8.0	61
60	Identification of pre-sliding friction dynamics. Chaos, 2004, 14, 420-430.	2.5	59
61	Active learning for semi-supervised structural health monitoring. Journal of Sound and Vibration, 2018, 437, 373-388.	3.9	59
62	Statistical Damage Classification Using Sequential Probability Ratio Tests. Structural Health Monitoring, 2003, 2, 57-74.	7.5	58
63	DAMAGE ASSESSMENT USING NEURAL NETWORKS. Mechanical Systems and Signal Processing, 2003, 17, 119-125.	8.0	56
64	Detection of defects in composite plates using Lamb waves and novelty detection. International Journal of Systems Science, 2000, 31, 1397-1409.	5.5	55
65	Model selection and parameter estimation in structural dynamics using approximate Bayesian computation. Mechanical Systems and Signal Processing, 2018, 99, 306-325.	8.0	55
66	Probabilistic modelling of wind turbine power curves with application of heteroscedastic Gaussian Process regression. Renewable Energy, 2020, 148, 1124-1136.	8.9	55
67	THEORETICAL AND EXPERIMENTAL IDENTIFICATION OF A NON-LINEAR BEAM. Journal of Sound and Vibration, 2001, 244, 597-613.	3.9	54
68	Fatigue life prediction of sandwich composite materials under flexural tests using a Bayesian trained artificial neural network. International Journal of Fatigue, 2007, 29, 738-747.	5.7	54
69	Robust methods of inclusive outlier analysis for structural health monitoring. Journal of Sound and Vibration, 2014, 333, 5181-5195.	3.9	54
70	Bayesian and Markov chain Monte Carlo methods for identifying nonlinear systems in the presence of uncertainty. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140405.	3.4	54
71	Novelty detection in a changing environment: A negative selection approach. Mechanical Systems and Signal Processing, 2010, 24, 1114-1128.	8.0	51
72	A numerically-enhanced machine learning approach to damage diagnosis using a Lamb wave sensing network. Journal of Sound and Vibration, 2014, 333, 4499-4525.	3.9	51

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73	Automatic Classification of Acoustic Emission Patterns. <i>Strain</i> , 2003, 39, 31-41.	2.4	50
74	Aspects of structural health and condition monitoring of offshore wind turbines. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140075.	3.4	50
75	On the identification of hysteretic systems. Part I: Fitness landscapes and evolutionary identification. <i>Mechanical Systems and Signal Processing</i> , 2012, 29, 201-212.	8.0	49
76	Nonlinear system identification of automotive dampers: A time and frequency-domain analysis. <i>Mechanical Systems and Signal Processing</i> , 2009, 23, 104-126.	8.0	48
77	A regime-switching cointegration approach for removing environmental and operational variations in structural health monitoring. <i>Mechanical Systems and Signal Processing</i> , 2018, 103, 381-397.	8.0	48
78	The use of pseudo-faults for novelty detection in SHM. <i>Journal of Sound and Vibration</i> , 2010, 329, 2349-2366.	3.9	47
79	Probabilistic uncertainty analysis of an FRF of a structure using a Gaussian process emulator. <i>Mechanical Systems and Signal Processing</i> , 2011, 25, 2962-2975.	8.0	47
80	A multiresolution approach to cointegration for enhanced SHM of structures under varying conditions – An exploratory study. <i>Mechanical Systems and Signal Processing</i> , 2014, 47, 243-262.	8.0	47
81	Classification of faults in gearboxes ? pre-processing algorithms and neural networks. <i>Neural Computing and Applications</i> , 1997, 5, 160-183.	5.6	46
82	Visualisation and Dimension Reduction of Acoustic Emission Data for Damage Detection. <i>Journal of Intelligent Material Systems and Structures</i> , 2001, 12, 529-536.	2.5	46
83	Impact Damage Detection in Aircraft Composites Using Knowledge-based Reasoning. <i>Structural Health Monitoring</i> , 2008, 7, 215-230.	7.5	46
84	On evolutionary system identification with applications to nonlinear benchmarks. <i>Mechanical Systems and Signal Processing</i> , 2018, 112, 194-232.	8.0	46
85	Considering discrepancy when calibrating a mechanistic electrophysiology model. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190349.	3.4	46
86	Data processing and experiment design for the restoring force surface method, part II: Choice of excitation signal. <i>Mechanical Systems and Signal Processing</i> , 1990, 4, 321-344.	8.0	45
87	Probabilistic active learning: An online framework for structural health monitoring. <i>Mechanical Systems and Signal Processing</i> , 2019, 134, 106294.	8.0	45
88	Genetic algorithm with an improved fitness function for (N)ARX modelling. <i>Mechanical Systems and Signal Processing</i> , 2007, 21, 994-1007.	8.0	44
89	Transmissibility of non-linear output frequency response functions with application in detection and location of damage in MDOF structural systems. <i>International Journal of Non-Linear Mechanics</i> , 2011, 46, 841-853.	2.6	44
90	Vibration-based damage assessment in steel frames using neural networks. <i>Smart Materials and Structures</i> , 2001, 10, 553-559.	3.5	43

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91	<title>Novelty detection under changing environmental conditions</title>. , 2001, 4330, 108.		42
92	Outlier ensembles: A robust method for damage detection and unsupervised feature extraction from high-dimensional data. Journal of Sound and Vibration, 2019, 453, 126-150.	3.9	42
93	Towards semi-supervised and probabilistic classification in structural health monitoring. Mechanical Systems and Signal Processing, 2020, 140, 106653.	8.0	42
94	Uncertainty analysis of a neural network used for fatigue lifetime prediction. Mechanical Systems and Signal Processing, 2008, 22, 1395-1411.	8.0	41
95	A cellular automaton model for predicting intergranular corrosion. Corrosion Science, 2011, 53, 2518-2526.	6.6	40
96	Prediction of landing gear loads using machine learning techniques. Structural Health Monitoring, 2016, 15, 568-582.	7.5	39
97	On the identification and modelling of friction in a randomly excited energy harvester. Journal of Sound and Vibration, 2013, 332, 4696-4708.	3.9	38
98	A New Transmissibility Analysis Method for Detection and Location of Damage via Nonlinear Features in MDOF Structural Systems. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1933-1947.	5.8	38
99	A machine learning approach to nonlinear modal analysis. Mechanical Systems and Signal Processing, 2017, 84, 34-53.	8.0	38
100	A novel design for panel radiators. Applied Thermal Engineering, 2004, 24, 1291-1300.	6.0	37
101	WAVELET ANALYSIS OF TIME-SERIES: COHERENT STRUCTURES, CHAOS AND NOISE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1999, 09, 455-471.	1.7	36
102	Application of ultrasonic Lamb wave techniques to the evaluation of advanced composite structures. , 2000, 3986, 93.		36
103	Nonlinearity in experimental modal analysis. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2001, 359, 113-130.	3.4	36
104	Identification of response surface models using genetic programming. Mechanical Systems and Signal Processing, 2006, 20, 1819-1831.	8.0	36
105	Bayesian sensitivity analysis of a model of the aortic valve. Journal of Biomechanics, 2011, 44, 1499-1506.	2.1	36
106	Performance monitoring of a wind turbine using extreme function theory. Renewable Energy, 2017, 113, 1490-1502.	8.9	36
107	Use of the cointegration strategies to remove environmental effects from data acquired on historical buildings. Engineering Structures, 2019, 183, 1014-1026.	5.3	36
108	On the Non-Linear Characteristics of Automotive Shock Absorbers. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 1992, 206, 3-16.	1.9	35

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109	Associated Linear Equations for Volterra operators. <i>Mechanical Systems and Signal Processing</i> , 2005, 19, 57-69.	8.0	35
110	Structural Health Monitoring of an Annular Component using a Statistical Approach. <i>Strain</i> , 2005, 41, 117-127.	2.4	35
111	Damage detection in operational wind turbine blades using a new approach based on machine learning. <i>Renewable Energy</i> , 2021, 168, 1249-1264.	8.9	35
112	Bayesian sensitivity analysis of a nonlinear finite element model. <i>Mechanical Systems and Signal Processing</i> , 2012, 32, 18-31.	8.0	34
113	Automatic Kernel Selection for Gaussian Processes Regression with Approximate Bayesian Computation and Sequential Monte Carlo. <i>Frontiers in Built Environment</i> , 2017, 3, .	2.3	34
114	Fault detection in rolling element bearings using wavelet-based variance analysis and novelty detection. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 396-411.	2.6	33
115	On the application of Gaussian process latent force models for joint input-state-parameter estimation: With a view to Bayesian operational identification. <i>Mechanical Systems and Signal Processing</i> , 2020, 140, 106580.	8.0	33
116	Higher-order spectra for identification of nonlinear modal coupling. <i>Mechanical Systems and Signal Processing</i> , 2009, 23, 1037-1061.	8.0	32
117	Simulation of ultrasonic lamb wave generation, propagation and detection for a reconfigurable air coupled scanner. <i>Ultrasonics</i> , 2011, 51, 258-269.	3.9	32
118	On the confidence bounds of Gaussian process NARX models and their higher-order frequency response functions. <i>Mechanical Systems and Signal Processing</i> , 2018, 104, 188-223.	8.0	32
119	Machine learning at the interface of structural health monitoring and non-destructive evaluation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190581.	3.4	32
120	Equation discovery for nonlinear dynamical systems: A Bayesian viewpoint. <i>Mechanical Systems and Signal Processing</i> , 2021, 154, 107528.	8.0	32
121	Fault location in a framework structure using neural networks. <i>Smart Materials and Structures</i> , 1993, 2, 189-200.	3.5	31
122	Identification Of Nonlinear Wave Forces. <i>Journal of Fluids and Structures</i> , 1994, 8, 19-71.	3.4	31
123	Genetic optimisation of a neural damage locator. <i>Journal of Sound and Vibration</i> , 2008, 309, 529-544.	3.9	31
124	Acoustic emission for monitoring aircraft structures. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2009, 223, 525-532.	1.3	31
125	Bayesian system identification of dynamical systems using highly informative training data. <i>Mechanical Systems and Signal Processing</i> , 2015, 56-57, 109-122.	8.0	31
126	Novelty detection and dimension reduction via guided ultrasonic waves: Damage monitoring of scarf repairs in composite laminates. <i>Journal of Intelligent Material Systems and Structures</i> , 2016, 27, 549-566.	2.5	31

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127	An improved nonlinear model for an automotive shock absorber. <i>Nonlinear Dynamics</i> , 1992, 3, 413-429.	5.2	31
128	Continuous debonding monitoring of a patch repaired helicopter stabilizer: Damage assessment and analysis. <i>Composite Structures</i> , 2015, 127, 231-244.	5.8	30
129	System identification using associated linear equations. <i>Mechanical Systems and Signal Processing</i> , 2004, 18, 431-455.	8.0	29
130	An evidence-based approach to damage location on an aircraft structure. <i>Mechanical Systems and Signal Processing</i> , 2009, 23, 1792-1804.	8.0	29
131	A nonlinear cointegration approach with applications to structural health monitoring. <i>Journal of Physics: Conference Series</i> , 2016, 744, 012025.	0.4	29
132	A probabilistic risk-based decision framework for structural health monitoring. <i>Mechanical Systems and Signal Processing</i> , 2021, 150, 107339.	8.0	29
133	A cointegration approach for heteroscedastic data based on a time series decomposition: An application to structural health monitoring. <i>Mechanical Systems and Signal Processing</i> , 2019, 120, 16-31.	8.0	28
134	On the transfer of damage detectors between structures: An experimental case study. <i>Journal of Sound and Vibration</i> , 2021, 501, 116072.	3.9	28
135	ON-LINE PHYSICAL PARAMETER ESTIMATION WITH ADAPTIVE FORGETTING FACTORS. <i>Mechanical Systems and Signal Processing</i> , 2000, 14, 705-730.	8.0	27
136	Some observations on uncertainty propagation through a simple nonlinear system. <i>Journal of Sound and Vibration</i> , 2005, 288, 601-621.	3.9	27
137	A novel information-gap technique to assess reliability of neural network-based damage detection. <i>Journal of Sound and Vibration</i> , 2006, 293, 96-111.	3.9	27
138	Generalised NARX shunting neural network modelling of friction. <i>Mechanical Systems and Signal Processing</i> , 2007, 21, 553-572.	8.0	26
139	Numerical simulations of elastic wave propagation using graphical processing units – Comparative study of high-performance computing capabilities. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015, 290, 98-126.	6.6	26
140	Structural Health Monitoring: from Structures to Systems-of-Systems – The support of the UK Engineering and Physical Sciences Research Council (EPSRC) through grant reference numbers EP/J016942/1 and EP/K003836/2, and that of the EU Framework 7 Programme for the ITN project SYSWIND, is gratefully acknowledged. <i>IFAC-PapersOnLine</i> , 2015, 48, 1-17.	0.9	26
141	Simultaneous Force Regression and Movement Classification of Fingers via Surface EMG within a Unified Bayesian Framework. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 13.	4.1	26
142	AN EXTENSION OF FORCE APPROPRIATION TO THE IDENTIFICATION OF NON-LINEAR MULTI-DEGREE OF FREEDOM SYSTEMS. <i>Journal of Sound and Vibration</i> , 2000, 237, 23-43.	3.9	25
143	Evaluation of Neural Network Robust Reliability Using Information-Gap Theory. <i>IEEE Transactions on Neural Networks</i> , 2006, 17, 1349-1361.	4.2	25
144	Albumin level and patient age predict outcomes in patients referred for gastrostomy insertion: internal and external validation of a gastrostomy score and comparison with artificial neural networks. <i>Gastrointestinal Endoscopy</i> , 2011, 74, 1033-1039.e3.	1.0	25

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145	The use of pseudo-faults for damage location in SHM: An experimental investigation on a Piper Tomahawk aircraft wing. <i>Journal of Sound and Vibration</i> , 2014, 333, 971-990.	3.9	25
146	Emerging Trends in Optimal Structural Health Monitoring System Design: From Sensor Placement to System Evaluation. <i>Journal of Sensor and Actuator Networks</i> , 2020, 9, 31.	3.9	25
147	FREQUENCY DOMAIN ANALYSIS OF NARX NEURAL NETWORKS. <i>Journal of Sound and Vibration</i> , 1998, 213, 915-941.	3.9	24
148	Damage location in an isotropic plate using a vector of novelty indices. <i>Mechanical Systems and Signal Processing</i> , 2007, 21, 1885-1906.	8.0	24
149	Some Recent Developments in SHM Based on Nonstationary Time Series Analysis. <i>Proceedings of the IEEE</i> , 2016, 104, 1589-1603.	21.3	24
150	A probabilistic compressive sensing framework with applications to ultrasound signal processing. <i>Mechanical Systems and Signal Processing</i> , 2019, 117, 383-402.	8.0	24
151	Model selection and parameter estimation of dynamical systems using a novel variant of approximate Bayesian computation. <i>Mechanical Systems and Signal Processing</i> , 2019, 122, 364-386.	8.0	24
152	A Bayesian methodology for localising acoustic emission sources in complex structures. <i>Mechanical Systems and Signal Processing</i> , 2022, 163, 108143.	8.0	24
153	<title>Structural damage monitoring based on an actuator-sensor system</title>. , 1999, , .		23
154	Approaches to nonlinear cointegration with a view towards applications in SHM. <i>Journal of Physics: Conference Series</i> , 2011, 305, 012069.	0.4	23
155	On the orthogonalised reverse path method for nonlinear system identification. <i>Journal of Sound and Vibration</i> , 2012, 331, 4488-4503.	3.9	23
156	Overcoming the problem of repair in structural health monitoring: Metric-informed transfer learning. <i>Journal of Sound and Vibration</i> , 2021, 510, 116245.	3.9	23
157	On spike-and-slab priors for Bayesian equation discovery of nonlinear dynamical systems via sparse linear regression. <i>Mechanical Systems and Signal Processing</i> , 2021, 161, 107986.	8.0	23
158	On a Grey Box Modelling Framework for Nonlinear System Identification. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017, , 167-178.	0.5	22
159	On Digital Twins, Mirrors, and Virtualizations: Frameworks for Model Verification and Validation. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering</i> , 2020, 6, .	1.1	22
160	<title>Overview of optimal sensor location methods for damage detection</title>. , 2001, , .		21
161	Strategies for using cellular automata to locate constrained layer damping on vibrating structures. <i>Journal of Sound and Vibration</i> , 2009, 319, 119-139.	3.9	21
162	On the identification of hysteretic systems. Part II: Bayesian sensitivity analysis and parameter confidence. <i>Mechanical Systems and Signal Processing</i> , 2012, 29, 213-227.	8.0	21

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163	Variational Bayesian mixture of experts models and sensitivity analysis for nonlinear dynamical systems. <i>Mechanical Systems and Signal Processing</i> , 2016, 66-67, 178-200.	8.0	21
164	On Population-based structural health monitoring for bridges. <i>Mechanical Systems and Signal Processing</i> , 2022, 173, 108919.	8.0	21
165	Modeling and classification of non-linear systems using neural networks–I. Simulation. <i>Mechanical Systems and Signal Processing</i> , 1994, 8, 319-356.	8.0	20
166	Damage Localisation in a Stiffened Composite Panel. <i>Strain</i> , 2008, 44, 298-307.	2.4	20
167	Foundations of population-based SHM, Part IV: The geometry of spaces of structures and their feature spaces. <i>Mechanical Systems and Signal Processing</i> , 2021, 157, 107692.	8.0	20
168	A population-based SHM methodology for heterogeneous structures: Transferring damage localisation knowledge between different aircraft wings. <i>Mechanical Systems and Signal Processing</i> , 2022, 172, 108918.	8.0	20
169	The effect of Duffing-type non-linearities and Coulomb damping on the response of an energy harvester to random excitations. <i>Journal of Intelligent Material Systems and Structures</i> , 2012, 23, 2039-2054.	2.5	19
170	Damage detection in a laboratory wind turbine blade using techniques of ultrasonic NDT and SHM. <i>Strain</i> , 2018, 54, e12290.	2.4	19
171	A Volterra series approximation to the coherence of the Duffing oscillator. <i>Journal of Sound and Vibration</i> , 2005, 286, 529-547.	3.9	18
172	Analysis of time-invariant systems in the time and frequency domain by associated linear equations (ALEs). <i>Mechanical Systems and Signal Processing</i> , 2006, 20, 896-919.	8.0	18
173	Detecting and identifying artificial acoustic emission signals in an industrial fatigue environment. <i>Measurement Science and Technology</i> , 2009, 20, 045101.	2.6	18
174	Optimum Sensor Placement for Impact Location Using Trilateration. <i>Strain</i> , 2015, 51, 89-100.	2.4	18
175	On the application of kernelised Bayesian transfer learning to population-based structural health monitoring. <i>Mechanical Systems and Signal Processing</i> , 2022, 167, 108519.	8.0	18
176	CONFIDENCE BOUNDS FOR FREQUENCY RESPONSE FUNCTIONS FROM TIME SERIES MODELS. <i>Mechanical Systems and Signal Processing</i> , 1998, 12, 559-569.	8.0	17
177	Long-term stability of normal condition data for novelty detection. , 2000, , .		17
178	Improving Excitations for Active Sensing in Structural Health Monitoring via Evolutionary Algorithms. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2007, 129, 784-802.	1.6	17
179	On the performance of a cointegration-based approach for novelty detection in realistic fatigue crack growth scenarios. <i>Mechanical Systems and Signal Processing</i> , 2019, 123, 84-101.	8.0	17
180	On the application of generative adversarial networks for nonlinear modal analysis. <i>Mechanical Systems and Signal Processing</i> , 2022, 166, 108473.	8.0	17

#	ARTICLE	IF	CITATIONS
181	Damage identification using multivariate statistics: Kernel discriminant analysis. <i>Inverse Problems in Science and Engineering</i> , 2000, 8, 25-46.	0.5	16
182	Spatial scanning for anomaly detection in acoustic emission testing of an aerospace structure. <i>Mechanical Systems and Signal Processing</i> , 2011, 25, 2462-2474.	8.0	16
183	Nonlinear modal analysis via non-parametric machine learning tools. <i>Strain</i> , 2019, 55, e12297.	2.4	16
184	On risk-based active learning for structural health monitoring. <i>Mechanical Systems and Signal Processing</i> , 2022, 167, 108569.	8.0	16
185	On the Long-Term Stability of Normal Condition for Damage Detection in a Composite Panel. <i>Key Engineering Materials</i> , 2001, 204-205, 359-370.	0.4	15
186	Genetic identification of crack-tip parameters using thermoelastic isopachics. <i>Measurement Science and Technology</i> , 2003, 14, 176-183.	2.6	15
187	Bayesian sensitivity analysis of bifurcating nonlinear models. <i>Mechanical Systems and Signal Processing</i> , 2013, 34, 57-75.	8.0	15
188	A Brief Introduction to Recent Developments in Population-Based Structural Health Monitoring. <i>Frontiers in Built Environment</i> , 2020, 6, .	2.3	15
189	Cointegration and why it works for SHM. <i>Journal of Physics: Conference Series</i> , 2012, 382, 012046.	0.4	14
190	Robust nonlinear system identification: Bayesian mixture of experts using the t-distribution. <i>Mechanical Systems and Signal Processing</i> , 2017, 85, 977-992.	8.0	14
191	<title>Ultrasonic condition monitoring of composite structures using a low-profile acoustic source and an embedded optical fiber sensor</title>. , 1997, , .		13
192	Differential evolution based identification of automotive hydraulic engine mount model parameters. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2000, 214, 249-264.	1.9	13
193	Sensor Optimisation using an Ant Colony Metaphor. <i>Strain</i> , 2004, 40, 59-65.	2.4	13
194	An application of interval-valued neural networks to a regression problem. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2006, 462, 3097-3114.	2.1	13
195	Kernel based modelling of friction dynamics. <i>Mechanical Systems and Signal Processing</i> , 2008, 22, 66-80.	8.0	13
196	Damage detection in an aluminium plate using outlier analysis. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2008, 31, 629-643.	3.4	13
197	Exploring Environmental and Operational Variations in SHM Data Using Heteroscedastic Gaussian Processes. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 145-153.	0.5	13
198	On multi-site damage identification using single-site training data. <i>Journal of Sound and Vibration</i> , 2017, 409, 43-64.	3.9	13

#	ARTICLE	IF	CITATIONS
199	On Digital Twins, Mirrors and Virtualisations. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 285-295.	0.5	13
200	Autonomous ultrasonic inspection using Bayesian optimisation and robust outlier analysis. Mechanical Systems and Signal Processing, 2020, 145, 106897.	8.0	13
201	On generative models as the basis for digital twins. Data-Centric Engineering, 2021, 2, .	2.3	13
202	Towards Population-Based Structural Health Monitoring, Part IV: Heterogeneous Populations, Transfer and Mapping. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 187-199.	0.5	13
203	Improved wave force classification using system identification. Applied Ocean Research, 1992, 14, 107-118.	4.1	12
204	Modeling and classification of non-linear systems using neural networks--II. A preliminary experiment. Mechanical Systems and Signal Processing, 1994, 8, 395-419.	8.0	12
205	Analysis of Wind Fluctuations Using the Orthogonal Wavelet Transform. Flow, Turbulence and Combustion, 1997, 59, 205-218.	0.2	12
206	<title>Detection of impacts in composite materials using piezoceramic sensors and neural networks</title>. , 1998, 3329, 491.		12
207	<title>Damage detection in mechanical structures using extreme value statistics</title>. , 2002, 4693, 289.		12
208	Damage Detection Using Stress Waves and Multivariate Statistics: an Experimental Case Study of an Aircraft Component. Strain, 2007, 43, 47-53.	2.4	12
209	Experimental validation of a new statistical process control feature for damage detection. Mechanical Systems and Signal Processing, 2011, 25, 2513-2525.	8.0	12
210	Novelty detection applied to vibration data from a CX-100 wind turbine blade under fatigue loading. Journal of Physics: Conference Series, 2012, 382, 012047.	0.4	12
211	New results for the ADF statistic in nonstationary signal analysis with a view towards structural health monitoring. Mechanical Systems and Signal Processing, 2021, 146, 106979.	8.0	12
212	Identification of Hysteretic Systems Using NARX Models, Part I: Evolutionary Identification. Conference Proceedings of the Society for Experimental Mechanics, 2012, , 49-56.	0.5	12
213	Towards Population-Based Structural Health Monitoring, Part I: Homogeneous Populations and Forms. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 287-302.	0.5	12
214	A transfer learning-based digital twin for detecting localised torsional friction in deviated wells. Mechanical Systems and Signal Processing, 2022, 173, 109000.	8.0	12
215	State-of-the-Art and Future Directions for Predictive Modelling of Offshore Structure Dynamics Using Machine Learning. Conference Proceedings of the Society for Experimental Mechanics, 2019, , 223-233.	0.5	11
216	Cross-Wavelet Analysis for Lamb Wave Damage Detection in Composite Materials Using Optical Fibres. Key Engineering Materials, 1999, 167-168, 373-380.	0.4	10

#	ARTICLE	IF	CITATIONS
217	<title>Damage assessment in smart composite structures: the DAMASCOS program</title>. , 2001, 4327, 223.		10
218	COST ACTION F3 ON STRUCTURAL DYNAMICS: BENCHMARKS FOR WORKING GROUP 2â€™STRUCTURAL HEALTH MONITORING. Mechanical Systems and Signal Processing, 2003, 17, 73-75.	8.0	10
219	Principal Component Analysis of Acoustic Emission Signals From Landing Gear Components: An Aid to Fatigue Fracture Detection. Strain, 2011, 47, e588-e594.	2.4	10
220	A Nonâ€™linear Manifold Strategy for SHM Approaches. Strain, 2015, 51, 324-331.	2.4	10
221	A Bee Swarm Algorithm for Optimising Sensor Distributions for Impact Detection on a Composite Panel. Strain, 2015, 51, 147-155.	2.4	10
222	Novelty Detection in a Cantilever Beam using Extreme Function Theory. Journal of Physics: Conference Series, 2018, 1106, 012027.	0.4	10
223	Towards Population-Based Structural Health Monitoring, Part III: Graphs, Networks and Communities. Conference Proceedings of the Society for Experimental Mechanics, 2021, , 255-267.	0.5	10
224	<title>Consideration of environmental and operational variability for damage diagnosis</title>. , 2002, , .		9
225	Validation of Acoustic Emission (AE) Crack Detection in Aerospace Grade Steel Using Digital Image Correlation. Applied Mechanics and Materials, 0, 24-25, 221-226.	0.2	9
226	CUDA technology for Lamb wave simulations. Proceedings of SPIE, 2011, , .	0.8	9
227	Computational model of an infant brain subjected to periodic motion simplified modelling and bayesian sensitivity analysis. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2011, 225, 1036-1049.	1.8	9
228	An Optimisation Scheme Based on the Local Interaction Simulation Approach and Lamb Waves for Elastic Property Estimation in Multi-Layered Composites. Shock and Vibration, 2012, 19, 1027-1040.	0.6	9
229	Detection of Cracks in Beams Using Treed Gaussian Processes. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 85-97.	0.5	9
230	On Key Technologies for Realising Digital Twins for Structural Dynamics Applications. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 267-272.	0.5	9
231	Structured machine learning tools for modelling characteristics of guided waves. Mechanical Systems and Signal Processing, 2021, 156, 107628.	8.0	9
232	On Gaussian Process NARX Models and Their Higher-Order Frequency Response Functions. Springer Proceedings in Mathematics and Statistics, 2014, , 315-335.	0.2	9
233	Experimental studies on impact damage location in composite aerospace structures using genetic algorithms and neural networks. Smart Structures and Systems, 2010, 6, 147-165.	1.9	9
234	Measurement and Identification of Pre-Sliding Friction Dynamics. , 2005, , 349-367.		8

#	ARTICLE	IF	CITATIONS
235	Prognosis under Uncertainty – An Idealised Computational Case Study. Shock and Vibration, 2008, 15, 231-243.	0.6	8
236	A SEM-Based Study of Structural Impact Damage. Applied Mechanics and Materials, 2010, 24-25, 233-238.	0.2	8
237	Machine Learning Applications for a Wind Turbine Blade under Continuous Fatigue Loading. Key Engineering Materials, 2013, 588, 166-174.	0.4	8
238	Bayesian Joint Input-State Estimation for Nonlinear Systems. Vibration, 2020, 3, 281-303.	1.9	8
239	Modelling Friction in a Nonlinear Dynamic System via Bayesian Inference. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 543-553.	0.5	8
240	Novelty Detection Using Auto-Associative Neural Network. , 2001, , .		8
241	Title is missing!. Reliable Computing, 2001, 7, 341-352.	0.8	7
242	A Principal Component Analysis of Acoustic Emission Signals from a Landing Gear Component. Applied Mechanics and Materials, 2008, 13-14, 41-47.	0.2	7
243	Analysis of MDOF nonlinear systems using associated linear equations. Mechanical Systems and Signal Processing, 2010, 24, 2824-2843.	8.0	7
244	Extended Analysis of a Damage Prognosis Approach Based on Interval Arithmetic. Strain, 2011, 47, 544-554.	2.4	7
245	Approximation of the Duffing oscillator frequency response function using the FPK equation. Journal of Sound and Vibration, 2011, 330, 743-756.	3.9	7
246	Cointegration and Nonstationarity in the Context of Multiresolution Analysis. Journal of Physics: Conference Series, 2011, 305, 012004.	0.4	7
247	Bayesian Sensitivity Analysis of Flight Parameters in a Hard-Landing Analysis Process. Journal of Aircraft, 2016, 53, 1317-1331.	2.4	7
248	Efficient parameter identification and model selection in nonlinear dynamical systems via sparse Bayesian learning. Journal of Physics: Conference Series, 2019, 1264, 012050.	0.4	7
249	Modelling environmental effects on the dynamic characteristics of the Tamar suspension bridge. Conference Proceedings of the Society for Experimental Mechanics, 2011, , 21-32.	0.5	7
250	Switching Response Surface Models for Structural Health Monitoring of Bridges. , 2013, , 337-358.		7
251	On Partitioning of an SHM Problem and Parallels with Transfer Learning. Conference Proceedings of the Society for Experimental Mechanics, 2021, , 41-50.	0.5	7
252	A novel approach to machining process fault detection using unsupervised learning. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 1533-1542.	2.4	7

#	ARTICLE	IF	CITATIONS
253	Vibration-based structural health monitoring using large sensor networks. <i>Smart Structures and Systems</i> , 2010, 6, 335-347.	1.9	7
254	Informative Bayesian tools for damage localisation by decomposition of Lamb wave signals. <i>Journal of Sound and Vibration</i> , 2022, 535, 117063.	3.9	7
255	On statistic alignment for domain adaptation in structural health monitoring. <i>Structural Health Monitoring</i> , 2023, 22, 1581-1600.	7.5	7
256	Homogenisation Metamodelling of Perforated Plates. <i>Strain</i> , 2004, 40, 103-112.	2.4	6
257	Evolution of constrained layer damping using a cellular automaton algorithm. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2008, 222, 585-597.	2.1	6
258	Damage detection in carbon composite material typical of wind turbine blades using auto-associative neural networks. <i>Proceedings of SPIE</i> , 2012, , .	0.8	6
259	Robust methods for outlier detection and regression for SHM applications. <i>International Journal of Sustainable Materials and Structural Systems</i> , 2015, 2, 3.	0.1	6
260	Machine Learning for Energy Load Forecasting. <i>Journal of Physics: Conference Series</i> , 2018, 1106, 012005.	0.4	6
261	Active Learning Approaches to Structural Health Monitoring. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019, , 157-159.	0.5	6
262	A Machine Learning Approach to Nonlinear Modal Analysis. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2014, , 521-528.	0.5	6
263	Structural Health Monitoring using Pattern Recognition. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2010, , 183-246.	0.6	6
264	Data Fusion " The Role of Signal Processing for Smart Structures and Systems. , 2003, , 71-107.		6
265	Domain-adapted Gaussian mixture models for population-based structural health monitoring. <i>Journal of Civil Structural Health Monitoring</i> , 2022, 12, 1343-1353.	3.9	6
266	<title>Utilizing the sequential probability ratio test for building joint monitoring</title>. , 2002, , .		5
267	Signal Processing for Damage Detection. , 0, , 163-206.		5
268	A Principal Component Analysis of Acoustic Emission Signals from a Landing Gear Component. <i>Key Engineering Materials</i> , 2007, 347, 139-144.	0.4	5
269	Filtering environmental load effects to enhance novelty detection on cable-supported bridge performance. <i>Bridge Maintenance, Safety and Management</i> , 2012, , 745-752.	0.1	5
270	Envelope Analysis Using the Teager-Kaiser Energy Operator for Condition Monitoring of a Wind Turbine Bearing. <i>Applied Mechanics and Materials</i> , 0, 564, 170-175.	0.2	5

#	ARTICLE	IF	CITATIONS
271	Uncertainty Bounds on Higher-Order FRFs from Gaussian Process NARX Models. <i>Procedia Engineering</i> , 2017, 199, 1994-2000.	1.2	5
272	Probabilistic Inference for Structural Health Monitoring: New Modes of Learning from Data. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2021, 7, 03120003.	1.7	5
273	On the Identification of Hysteretic Systems, Part I: an Extended Evolutionary Scheme. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2011, , 67-75.	0.5	5
274	Structural Health Monitoring for Civil Infrastructure. , 2013, , 1-31.		5
275	Towards a Population-based SHM: A Case Study on an Offshore Wind Farm. , 0, , .		5
276	On the Application of Domain Adaptation for Aiding Supervised SHM Methods. , 0, , .		5
277	On robust risk-based active-learning algorithms for enhanced decision support. <i>Mechanical Systems and Signal Processing</i> , 2022, 181, 109502.	8.0	5
278	<title>Processing signals for damage detection in structures using neural networks</title>. , 1994, 2191, 187.		4
279	<title>Case study of nonlinear inverse problems: mammography and nondestructive evaluation</title>. , 1998, , .		4
280	An Experimental Appraisal of the Strain Energy Damage Location Method. <i>Key Engineering Materials</i> , 2001, 204-205, 35-46.	0.4	4
281	The Smart Approach “ An Introduction to Smart Technologies. , 2003, , 1-5.		4
282	Aspects of Novelty Detection. <i>Key Engineering Materials</i> , 2007, 347, 3-16.	0.4	4
283	Transformation of a sensor or actuator system into a unitary gain element. <i>Mechanical Systems and Signal Processing</i> , 2007, 21, 3088-3107.	8.0	4
284	Uncertainty Analysis of a Dynamic Model of a Novel Remotely Piloted Airship. <i>Journal of Aircraft</i> , 2011, 48, 1028-1035.	2.4	4
285	On damage detection in wind turbine gearboxes using outlier analysis. , 2012, , .		4
286	Cointegration and the Empirical Mode Decomposition for the Analysis of Diagnostic Data. <i>Key Engineering Materials</i> , 0, 569-570, 884-891.	0.4	4
287	On the use of the Mahalanobis squared-distance to filter out environmental effects in structural health monitoring. <i>MATEC Web of Conferences</i> , 2014, 16, 02004.	0.2	4
288	Friction estimation in wind turbine blade bearings. <i>Structural Control and Health Monitoring</i> , 2016, 23, 103-122.	4.0	4

#	ARTICLE	IF	CITATIONS
289	Identification of Nonlinear Wave Forces Using Gaussian Process NARX Models. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 203-221.	0.5	4
290	Assessment of vocal cord nodules: a case study in speech processing by using Hilbert-Huang Transform. Journal of Physics: Conference Series, 2017, 842, 012025.	0.4	4
291	A probabilistic framework for online structural health monitoring: active learning from machining data streams. Journal of Physics: Conference Series, 2019, 1264, 012028.	0.4	4
292	Identification of a Duffing oscillator using particle Gibbs with ancestor sampling. Journal of Physics: Conference Series, 2019, 1264, 012051.	0.4	4
293	Machining centre performance monitoring with calibrated artefact probing. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 1569-1587.	2.4	4
294	On Metrics Assessing the Information Content of Datasets for Population-Based Structural Health Monitoring. Lecture Notes in Civil Engineering, 2021, , 494-504.	0.4	4
295	Evolutionary Identification of Block-Structured Systems. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 359-366.	0.5	4
296	Structural Health Monitoring: A Review of Uncertainty Quantification Methods in Wind Turbine Systems. , 0, , .		4
297	Population-Based Structural Health Monitoring. Structural Integrity, 2022, , 413-435.	1.4	4
298	Bayesian modelling of multivalued power curves from an operational wind farm. Mechanical Systems and Signal Processing, 2022, 169, 108530.	8.0	4
299	Impact of blade structural and aerodynamic uncertainties on wind turbine loads. Wind Energy, 2022, 25, 1060-1076.	4.2	4
300	On the over-sampling of data for system identification. Mechanical Systems and Signal Processing, 1995, 9, 287-297.	8.0	3
301	Intelligent fault detection. International Journal of Systems Science, 2000, 31, 1331-1332.	5.5	3
302	Damage assessment in smart composite structures: the DAMASCOS programme. Air & Space Europe, 2001, 3, 132-138.	0.0	3
303	Frequency Response Functions for Uncertain Nonlinear Systems. Materials Science Forum, 2003, 440-441, 37-44.	0.3	3
304	Identification of Crack-Tip Parameters Using Thermoelastic Isopachics and Differential Evolution. Key Engineering Materials, 2003, 245-246, 77-86.	0.4	3
305	On the Reproducibility of Transducer Coupling for Acoustic Emission Testing. Advanced Materials Research, 2006, 13-14, 117-124.	0.3	3
306	Evaluation of neural network performance and generalisation using thresholding functions. Neural Computing and Applications, 2007, 16, 109-124.	5.6	3

#	ARTICLE	IF	CITATIONS
307	Genetic optimisation of a neural network damage diagnostic. <i>Aeronautical Journal</i> , 2008, 112, 267-274.	1.6	3
308	A Method for Acoustic Emission Source Identification Based on Optimisation. <i>Key Engineering Materials</i> , 2009, 413-414, 793-801.	0.4	3
309	Extended PCA visualisation of system damage features under environmental and operational variations. , 2009, , .		3
310	Analysis and control of nonlinear systems with ADC terms. <i>Nonlinear Dynamics</i> , 2009, 58, 753-775.	5.2	3
311	Machine learning algorithms to damage detection under operational and environmental variability. , 2010, , .		3
312	A PROBABILISTIC APPROACH TO ROBOTIC NDE INSPECTION. , 2010, , .		3
313	Classification of multi-site damage using support vector machines. <i>Journal of Physics: Conference Series</i> , 2011, 305, 012059.	0.4	3
314	A Decomposition Method for the Analysis of Viscoelastic Structural Dynamics with Time-Dependent Poisson's Ratio. <i>Strain</i> , 2011, 47, e1.	2.4	3
315	Structural health monitoring and damage prognosis in composite repaired structures through the excitation of guided ultrasonic waves. <i>Proceedings of SPIE</i> , 2013, , .	0.8	3
316	Bayesian sensitivity analysis of flight parameters that affect main landing gear yield locations. <i>Aeronautical Journal</i> , 2014, 118, 1481-1497.	1.6	3
317	On Crack Detection in Tuned and Mistuned Repeating Structures Using the Modal Assurance Criterion. <i>Strain</i> , 2016, 52, 175-185.	2.4	3
318	Towards the Probabilistic Analysis of Small Bowel Capsule Endoscopy Features to Predict Severity of Duodenal Histology in Patients with Villous Atrophy. <i>Journal of Medical Systems</i> , 2020, 44, 195.	3.6	3
319	On Treed Gaussian Processes and piecewise-linear NARX modelling. <i>Mechanical Systems and Signal Processing</i> , 2020, 144, 106877.	8.0	3
320	Genetic Optimisation of Machine Tool Paths. , 2004, , 125-135.		3
321	Feature Extraction for Structural Dynamics Model Validation. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2011, , 153-163.	0.5	3
322	SURFACE RESPONSE OPTIMISATION OF AUXETIC HOMOGENISED CELLULAR PLATES USING GENETIC PROGRAMMING. <i>Computational Methods in Science and Technology</i> , 2004, 10, 169-181.	0.3	3
323	A General Representation for Assessing the Similarity of Structures. , 0, , .		3
324	<title>DAMASCOS damage location demonstrator for structural health monitoring</title>. , 2003, , .		2

#	ARTICLE	IF	CITATIONS
325	Damage Detection in an Aluminium Plate with an Active Constrained Layer Damping Treatment. Key Engineering Materials, 2007, 347, 205-212.	0.4	2
326	SIMULATION AND IMPLEMENTATION OF ULTRASONIC REMOTE SENSING AGENTS FOR RECONFIGURABLE NDE SCANNING. , 2009, , .		2
327	Fatigue crack detection in a multi-riveted strap joint aluminium panel. Proceedings of SPIE, 2009, , .	0.8	2
328	Curve fitting of mixed-mode isopachics. Journal of Physics: Conference Series, 2009, 181, 012062.	0.4	2
329	Approximation of the Duffing oscillator frequency response function using the FPK equation. Journal of Physics: Conference Series, 2009, 181, 012085.	0.4	2
330	Positioning challenges in reconfigurable semi-autonomous robotic NDE inspection. , 2010, , .		2
331	Detection of Damage in Repeating Structures. , 2010, , .		2
332	Some Experimental Observations on the Detection of Composite Damage using Lamb Waves. Strain, 2011, 47, e254.	2.4	2
333	Analysis of Reciprocity Breakdown in Nonlinear Systems. Journal of Physics: Conference Series, 2012, 382, 012031.	0.4	2
334	Damage Detection in a Glass Plate Using Outlier Analysis. Key Engineering Materials, 0, 569-570, 847-853.	0.4	2
335	Damage Detection in RAPTOR Telescope Systems Using Time-Frequency Analysis Methods. Key Engineering Materials, 2013, 588, 43-53.	0.4	2
336	An SHM View of a CFD Model of Lillgrund Wind Farm. Applied Mechanics and Materials, 0, 564, 164-169.	0.2	2
337	A principled multiresolution approach for signal decomposition. Journal of Physics: Conference Series, 2018, 1106, 012001.	0.4	2
338	Comparing approaches for multi-axis kinematic positioning in machine tools. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 1698-1711.	2.4	2
339	Normalising Flows and Nonlinear Normal Modes. IFAC-PapersOnLine, 2021, 54, 655-660.	0.9	2
340	Wavelet Based Feature Extraction for Acoustic Emission. , 2007, , 921-922.		2
341	Identification of Time-Varying Nonlinear Systems Using Differential Evolution Algorithm. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 575-583.	0.5	2
342	Investigating Engineering Data by Probabilistic Measures. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 77-81.	0.5	2

#	ARTICLE	IF	CITATIONS
343	On the Application of Domain Adaptation in SHM. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 111-122.	0.5	2
344	Bayesian System Identification of Dynamical Systems Using Reversible Jump Markov Chain Monte Carlo. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 277-284.	0.5	2
345	An Experimental Investigation of Feature Availability in Nominally Identical Structures for Population-Based SHM. Conference Proceedings of the Society for Experimental Mechanics, 2015, , 185-191.	0.5	2
346	Multiple Damage Identification Using the Reversible Jump Markov Chain Monte Carlo. , 0, , .		2
347	Applying the Concept of Complexity to Structural Health Monitoring. , 0, , .		2
348	Damage Classification Using Labelled and Unlabelled Measurements. , 0, , .		2
349	Towards Population-Based Structural Health Monitoring, Part V: Networks and Databases. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 1-8.	0.5	2
350	Partially Supervised Learning for Data-Driven Structural Health Monitoring. Structural Integrity, 2022, , 389-411.	1.4	2
351	Identification of Hysteretic Systems Using NARX Models, Part II: A Bayesian Approach. Conference Proceedings of the Society for Experimental Mechanics, 2012, , 57-65.	0.5	2
352	Bayesian Inference and RJMCMC in Structural Dynamics: On Experimental Data. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 23-36.	0.5	2
353	On the dynamic properties of statistically-independent nonlinear normal modes. Mechanical Systems and Signal Processing, 2022, 181, 109510.	8.0	2
354	Renormalized stress tensors in certain triangles. Classical and Quantum Gravity, 1992, 9, 289-306.	4.0	1
355	Renormalized stress tensors on ellipses. Journal of Mathematical Physics, 1992, 33, 2434-2439.	1.1	1
356	<title>Pseudo-fault induction and harmonic suppression in engineering structures</title>. , 1994, , .		1
357	<title>Lamb wave sensor optimization using differential evolution</title>. , 2001, 4326, 570.		1
358	DISCUSSION AND CONCLUSIONS FOR WORKING GROUP 2 BENCHMARKS. Mechanical Systems and Signal Processing, 2003, 17, 171-175.	8.0	1
359	Genetic identification of crack-tip parameters using thermoelastic isopachics. Measurement Science and Technology, 2003, 14, 1845-1845.	2.6	1
360	The Effect of Crack-Tip Interactions on the Curve-Fitting of Isopachics. Applied Mechanics and Materials, 2004, 1-2, 121-126.	0.2	1

#	ARTICLE	IF	CITATIONS
361	Special Issue on Acoustic Emission. Journal of Strain Analysis for Engineering Design, 2005, 40, i-iii.	1.8	1
362	Classification Using Radial Basis Function Networks with Uncertain Weights. Key Engineering Materials, 2005, 293-294, 135-142.	0.4	1
363	Investigating Non-Linear Behaviour within a Vehicle Suspension System using Time and Frequency Domain Techniques. Applied Mechanics and Materials, 2006, 5-6, 285-294.	0.2	1
364	Structural Optimisation using a Hybrid Cellular Automata (HCA) Algorithm. Applied Mechanics and Materials, 2006, 5-6, 93-100.	0.2	1
365	Statistical pattern recognition and damage detection in structural health monitoring of civil infrastructure systems. , 2009, , 305-335.		1
366	Aspects of Uncertainty Analysis for Large Nonlinear Computational Models. Applied Mechanics and Materials, 0, 24-25, 25-41.	0.2	1
367	Some Recent Developments in Structural Health Monitoring. Key Engineering Materials, 0, 518, 298-318.	0.4	1
368	Damage Detection in Gearboxes Considering Intermittent Faults and Time-Varying Loads. Key Engineering Materials, 0, 518, 76-86.	0.4	1
369	Crack characterisation by detection and classification of nonlinear behaviour using the Hilbert transform. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2012, 226, 2610-2626.	2.1	1
370	Uncertainty Analysis in Structural Dynamics. Key Engineering Materials, 0, 588, 318-332.	0.4	1
371	Robust evaluation of time series classification algorithms for structural health monitoring. , 2014, , .		1
372	Damage Monitoring of External Patch Repairs with Guided Ultrasonic Waves. Strain, 2015, 51, 288-300.	2.4	1
373	Sensitivity analysis of an Advanced Gas-cooled Reactor control rod model. Nuclear Engineering and Design, 2016, 305, 514-523.	1.7	1
374	Simplifying Transformations for Nonlinear Systems: Part I, An Optimisation-Based Variant of Normal Form Analysis. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 315-320.	0.5	1
375	Simplifying Transformations for Nonlinear Systems: Part II, Statistical Analysis of Harmonic Cancellation. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 321-326.	0.5	1
376	Wind Turbine Health Monitoring: Current and Future Trends with an Active Learning Twist. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 119-129.	0.5	1
377	An illustration of new methods in machine condition monitoring, Part I: stochastic resonance. Journal of Physics: Conference Series, 2017, 842, 012058.	0.4	1
378	An Illustration of New Methods in Machine Condition Monitoring, Part II: Adaptive outlier detection. Journal of Physics: Conference Series, 2017, 842, 012059.	0.4	1

#	ARTICLE	IF	CITATIONS
379	A Transfer Learning Application to FEM and Monitoring Data for Supporting the Classification of Structural Condition States. Lecture Notes in Civil Engineering, 2021, , 947-957.	0.4	1
380	New Modes of Inference for Probabilistic SHM. Lecture Notes in Civil Engineering, 2021, , 415-426.	0.4	1
381	On sensor optimisation for structural health monitoring robust to environmental variations. Wind Energy Science, 2021, 6, 1107-1116.	3.3	1
382	Error motion trajectory-driven diagnostics of kinematic and non-kinematic machine tool faults. Mechanical Systems and Signal Processing, 2022, 164, 108271.	8.0	1
383	Multiple-site Damage Location Using Single-site Training Data. Conference Proceedings of the Society for Experimental Mechanics, 2011, , 195-201.	0.5	1
384	Damage Identification in CRFP Laminates using a Statistical Method. Conference Proceedings of the Society for Experimental Mechanics, 2011, , 91-101.	0.5	1
385	Nonlinear Time Series Analysis Using Bayesian Mixture of Experts. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 111-121.	0.5	1
386	Damage Identification and Localization of Carbon Fiber Reinforced Plastic Composite Plate Using Outlier Analysis and Multilayer Perceptron Neural Network. , 2009, , 79-113.		1
387	Compressive Sensing for Direct Time of Flight Estimation in Ultrasound-based NDT. , 0, , .		1
388	Damage Detection in an Aluminium Plate with an Active Constrained Layer Damping Treatment. Key Engineering Materials, 0, , 205-212.	0.4	1
389	Aspects of Novelty Detection. Key Engineering Materials, 0, , 3-16.	0.4	1
390	Estimation of Fingertip Force from Surface EMG - A Multivariate Bayesian Mixture of Experts Approach. , 2015, , .		1
391	On Topological Data Analysis for SHM: An Introduction to Persistent Homology. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 169-184.	0.5	1
392	Challenges for SHM from Structural Repairs: An Outlier-Informed Domain Adaptation Approach. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 75-86.	0.5	1
393	Heteroscedastic Gaussian Processes for Localising Acoustic Emission. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 185-197.	0.5	1
394	On the Identification of Hysteretic Systems, Part II: Bayesian Sensitivity Analysis. Conference Proceedings of the Society for Experimental Mechanics, 2011, , 77-91.	0.5	1
395	Analysis of Nonlinear System Response to an Impulse Excitation. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 297-308.	0.5	1
396	In-Process Monitoring of Automated Carbon Fibre Tape Layup Using Ultrasonic Guided Waves. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 179-188.	0.5	1

#	ARTICLE	IF	CITATIONS
397	A Simplified Treed Gaussian Process Approach to the Modelling of Bridge Data for Structural Health Monitoring. , 0, , .		1
398	Assessing the Likelihood of Damage at the Start of a Structural Health Monitoring Campaign. , 0, , .		1
399	Health Monitoring of Composite Structures by Combining Ultrasonic Wave Data. , 0, , .		1
400	AN APPLICATION OF GENERATIVE ADVERSARIAL NETWORKS IN STRUCTURAL HEALTH MONITORING. , 2020, , .		1
401	Structural Health Monitoring and Damage Identification. , 2020, , 1-72.		1
402	A Bayesian approach for shaft centre localisation in journal bearings. Mechanical Systems and Signal Processing, 2022, 174, 109021.	8.0	1
403	When is a Bridge Not an Airplane? Part II: A Population of Real Structures. Lecture Notes in Civil Engineering, 2023, , 965-974.	0.4	1
404	A Bayesian Approach to Lamb-Wave Dispersion Curve Material Identification in Composite Plates. Lecture Notes in Civil Engineering, 2023, , 139-149.	0.4	1
405	On the Application of Partial Domain Adaptation for PBSHM. Lecture Notes in Civil Engineering, 2023, , 408-418.	0.4	1
406	<title>Fault detection employing transducer optimisation procedures</title>. , 1994, 2361, 36.		0
407	ON THE USE OF A RISING-FALLING CHIRP EXCITATION FOR VIBRATION TESTING. Journal of Sound and Vibration, 1996, 192, 599-604.	3.9	0
408	<title>Broadband Lamb-wave measurements for materials characterization</title>. , 1998, , .		0
409	Visualisation and Dimension Reduction of Acoustic Emission Data for Damage Detection. Key Engineering Materials, 1999, 167-168, 64-75.	0.4	0
410	<title>Lamb wave sensing for composite materials evaluation</title>. , 1999, , .		0
411	Fault Diagnosis and Fault Tolerance for Mechatronic Systems: Recent Advances. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2005, 219, 1015-1016.	2.1	0
412	Considerations for Practical Neural Network Application to a Damage Detection Problem. Key Engineering Materials, 2005, 293-294, 151-158.	0.4	0
413	Force Appropriation for Nonlinear Systems (FANS) Using Optimisation Methods. Applied Mechanics and Materials, 2006, 5-6, 265-276.	0.2	0
414	Damage Detection Using Prior Wavelet Decompositions. Key Engineering Materials, 2007, 347, 145-150.	0.4	0

#	ARTICLE	IF	CITATIONS
415	Optimisation of passive and active constrained layer dampers for panel vibrations over broad frequency and temperature ranges. , 2007, , .		0
416	Metamodelling of auxetic cellular solids with differential evolution optimisation. Physica Status Solidi (B): Basic Research, 2008, 245, 2433-2439.	1.5	0
417	Detecting and Identifying Artificial Acoustic Emission Signals in an Industrial Fatigue Environment. Applied Mechanics and Materials, 2008, 13-14, 251-260.	0.2	0
418	Volterra methods for constructing structural dynamic observables for nonlinear systems: An extended calculation. Journal of Physics: Conference Series, 2009, 181, 012054.	0.4	0
419	Towards the Derivation of Stress Intensity Factors by Parametric Modelling of Full-Field Thermoelastic Data. Applied Mechanics and Materials, 2010, 24-25, 227-232.	0.2	0
420	Structural Health Monitoring of Composite Material Typical of Wind Turbine Blades by Novelty Detection on Vibration Response. Key Engineering Materials, 2012, 518, 319-327.	0.4	0
421	Experimental validation of the orthogonalised reverse path method using a nonlinear beam. Journal of Physics: Conference Series, 2012, 382, 012029.	0.4	0
422	An Optimisation Scheme Based on the Local Interaction Simulation Approach and Lamb Waves for Elastic Property Estimation in Multi-Layered Composites (Erratum). Shock and Vibration, 2012, 19, 1477-1477.	0.6	0
423	Advanced Tools for Damage Detection in Wind Turbines. Key Engineering Materials, 0, 569-570, 547-554.	0.4	0
424	Comparative Study of Robust Novelty Detection Techniques. Key Engineering Materials, 0, 569-570, 1109-1115.	0.4	0
425	Higher-Order Frequency Response Functions for Hysteretic Systems. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 191-201.	0.5	0
426	Aspects of computational intelligence in structural dynamics: Structural health monitoring. , 2017, , .		0
427	Acoustic emission source characterisation using evolutionary optimisation. Strain, 2018, 54, e12272.	2.4	0
428	Decomposition of multi-mode signals using dispersion curves and Bayesian linear regression. , 2021, , .		0
429	On Predicting Uncertainties in the Dynamic Response of a Welded Structure. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 45-57.	0.5	0
430	Transferring Damage Detectors Between Tailplane Experiments. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 199-211.	0.5	0
431	On the Application of Heterogeneous Transfer Learning to Population-Based Structural Health Monitoring. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 87-98.	0.5	0
432	Bayesian Graph Neural Networks for Strain-Based Crack Localization. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 253-261.	0.5	0

#	ARTICLE	IF	CITATIONS
433	The Effect of Crack-Tip Interactions on the Curve-Fitting of Mixed-Mode Isopachics. , 2007, , 865-866.		0
434	Damage Localization of Carbon Fiberâ€“Reinforced Plastic Composite and Perspex Plates Using Novelty Indices and the Cross-Validation Set of Multilayer Perceptron Neural Network. , 2009, , 115-133.		0
435	Amplitude Dependent Crack Characterization of Growing Fatigue Cracks. Conference Proceedings of the Society for Experimental Mechanics, 2011, , 83-92.	0.5	0
436	The Benefits of Duffing-type Nonlinearities and Electrical Optimisation of a Randomly Excited Energy Harvester. Conference Proceedings of the Society for Experimental Mechanics, 2012, , 657-667.	0.5	0
437	Modelling of the Aluminium Alloy Al 2024 from the Microscale to the Macroscale: Intergranular Corrosion. WIT Transactions on State-of-the-art in Science and Engineering, 2012, , 59-75.	0.0	0
438	Experimental Identification of Hysteretic Systems Using the Differential Evolution Algorithm. , 1999, , .		0
439	Extreme Function Theory for SHM: A Case Study for Wind Turbines. , 0, , .		0
440	Linear and Nonlinear System Identification Using Evolutionary Optimisation. Springer Proceedings in Mathematics and Statistics, 2016, , 325-345.	0.2	0
441	On the Behaviour of Structures with Many Nonlinear Elements. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 509-520.	0.5	0
442	Is it worth changing pattern recognition methods for structural health monitoring?. Journal of Physics: Conference Series, 2017, 842, 012006.	0.4	0
443	Clustering-based Crack Growth Characterisation using Synchronised Vibration and Acoustic Emission Measurements. , 0, , .		0
444	On the Structural Health Monitoring of Operational Wind Turbine Blades. , 0, , .		0
445	Principal Component Analysis and Artificial Neural Network Framework for Damage Detection Strategy under Varying Operational Loading Conditions. , 0, , .		0
446	A Time Series Decomposition Method For Heteroskedastic Data In Structural Health Monitoring. , 0, , .		0
447	On the Choice of Optimisation Scheme for Gaussian Process Hyperparameters in SHM Problems. , 0, , .		0
448	Predicting Geometric Tolerance Thresholds in a Five-Axis Machining Centre. Conference Proceedings of the Society for Experimental Mechanics, 2019, , 93-100.	0.5	0
449	On an Application of Probabilistic Risk Assessment to Structural Health Monitoring. , 0, , .		0
450	Gaussian Processes for Structural Health Monitoring of Wind Turbine Blades. , 0, , .		0

#	ARTICLE	IF	CITATIONS
451	Output-only Identification of Loading and Modal Parameters in Dynamic Systems with Non-Gaussian Inputs. , 0, , .		0
452	Automated Fault Diagnosis with Calibrated Artefact Probing. , 0, , .		0
453	Experimental Validation of the Population-Form to Represent Nominally-Identical Systems. , 0, , .		0
454	A Compressed Sensing Approach to Operational Modal Analysis Using Phase-Based Video Motion Magnification. , 0, , .		0
455	A PROBABILISTIC APPROACH TOWARDS UNCERTAINTY QUANTIFICATION IN JOINED STRUCTURES. , 2020, , .		0
456	A NEAT APPROACH TO STRUCTURAL HEALTH MONITORING. , 2020, , .		0
457	An Evolutionary Approach to Learning Neural Networks for Structural Health Monitoring. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 237-246.	0.5	0
458	Modelling of Guided Waves in a Composite Plate Through a Combination of Physical Knowledge and Regression Analysis. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 109-114.	0.5	0
459	On the Application of the Generating Series for Nonlinear Systems with Polynomial Stiffness. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 135-149.	0.5	0
460	On Health-State Transition Models for Risk-Based Structural Health Monitoring. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 49-60.	0.5	0
461	A Bayesian Method for Material Identification of Composite Plates Via Dispersion Curves. SSRN Electronic Journal, 0, , .	0.4	0
462	A sampling-based approach for information-theoretic inspection management. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, .	2.1	0
463	Structural Health Monitoring and Damage Identification. , 2022, , 989-1061.		0
464	Pseudo-fault induction in engineering structures: Multi-input multi-output control. Nonlinear Dynamics, 1995, 8, 367-384.	5.2	0