

# Ziemowit Dworakowski

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

290  
citations

1162889

8  
h-index

887953

17  
g-index

37  
all docs

37  
docs citations

37  
times ranked

348  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vision-based algorithms for damage detection and localization in structural health monitoring. <i>Structural Control and Health Monitoring</i> , 2016, 23, 35-50.	1.9	79
2	Artificial neural network ensembles for fatigue damage detection in aircraft. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 851-861.	1.4	30
3	Application of artificial neural networks for compounding multiple damage indices in Lamb-wave-based damage detection. <i>Structural Control and Health Monitoring</i> , 2015, 22, 50-61.	1.9	27
4	Multi-stage temperature compensation method for Lamb wave measurements. <i>Journal of Sound and Vibration</i> , 2016, 382, 328-339.	2.1	26
5	Vibration-based diagnostics of epicyclic gearboxes – From classical to soft-computing methods. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 147, 106811.	2.5	23
6	A structure's deflection measurement and monitoring system supported by a vision system. <i>TM Technisches Messen</i> , 2014, 81, 635-643.	0.3	14
7	A novel method for speed recovery from vibration signal under highly non-stationary conditions. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 128, 13-22.	2.5	14
8	Application of PZT Ceramic Sensors for Composite Structure Monitoring Using Harmonic Excitation Signals and Bayesian Classification Approach. <i>Materials</i> , 2021, 14, 5468.	1.3	9
9	A review of methods for excitation force reconstruction. <i>Diagnostyka</i> , 2019, 20, 11-19.	0.5	8
10	Application of Artificial Neural Networks for Damage Indices Classification with the Use of Lamb Waves for the Aerospace Structures. <i>Key Engineering Materials</i> , 0, 588, 12-21.	0.4	7
11	Epicyclic gearbox fault detection by Instantaneous Circular Pitch Cycle Map. <i>Mechanical Systems and Signal Processing</i> , 2019, 121, 600-614.	4.4	7
12	An anomaly detection method for rotating machinery monitoring based on the most representative data. <i>Journal of Vibroengineering</i> , 2021, 23, 861-876.	0.5	7
13	Vision-based measurement systems for static and dynamic characteristics of overhead lines. <i>Journal of Vibroengineering</i> , 2016, 18, 2113-2122.	0.5	7
14	Comparison of Novelty Detection Methods for Detection of Various Rotary Machinery Faults. <i>Sensors</i> , 2021, 21, 3536.	2.1	6
15	Fuzzy-Logic-Based Recommendation System for Processing in Condition Monitoring. <i>Sensors</i> , 2022, 22, 3695.	2.1	6
16	Indirect Measurement of Loading Forces with High-Speed Camera. <i>Sensors</i> , 2021, 21, 6643.	2.1	4
17	Identification of the stick and slip motion between contact surfaces using artificial neural networks. <i>Nonlinear Dynamics</i> , 2020, 100, 225-242.	2.7	3
18	Effectiveness evaluation of the damage localization with a local spatial filtration under variable external conditions. <i>Diagnostyka</i> , 2018, 20, 55-61.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Data fusion for compensation of temperature variations in Lamb-wave based SHM systems. Proceedings of SPIE, 2015, , .	0.8	2
20	Reinforcement learning for vibration suppression of an unknown system. Mechanisms and Machine Science, 2019, , 4045-4054.	0.3	2
21	Ensemble ANN Classifier for Structural Health Monitoring. Lecture Notes in Computer Science, 2016, , 81-90.	1.0	1
22	Application of vision measurements for modal analysis of wires for the purpose of overhead transmission lines monitoring. Journal of Physics: Conference Series, 2017, 842, 012011.	0.3	1
23	Damage Detection in Plates with the Use of Laser-Measured Mode Shapes. Shock and Vibration, 2020, 2020, 1-20.	0.3	1
24	Recommendation System for Signal Processing in SHM. Lecture Notes in Computer Science, 2021, , 328-337.	1.0	1
25	Diagnostic-Quality Guided Wave Signals Synthesized Using Generative Adversarial Neural Networks. Sensors, 2022, 22, 3848.	2.1	1
26	Damage localization in plates with use of the procedure based on Modal Filtration. Journal of Physics: Conference Series, 2015, 628, 012028.	0.3	0
27	Development of novel general equation for multistage epicyclic gearset with corrected teeth: non-constrained approach. Proceedings of SPIE, 2016, , .	0.8	0
28	Development of novel general equation for multistage epicyclic gearset with corrected teeth: fixed-speed approach. , 2016, , .		0
29	Neural Net Model Predictive Controller for Adaptive Active Vibration Suppression of an Unknown System. Lecture Notes in Computer Science, 2019, , 102-112.	1.0	0
30	Selection of Suitable Method for Speed Recovery from Vibration Signal. Applied Condition Monitoring, 2018, , 103-110.	0.4	0
31	Speed Extraction from Vibration Signal using ANNs and Broadband Features. , 0, , .		0
32	Reinforcement-learning-based Identification of the System for the Purpose of Structural Change Detection. , 0, , .		0
33	Operational Deflection Shapes Magnification and Visualization Using Optical-Flow-Based Image Processing. Sensors, 2021, 21, 8351.	2.1	0