

Michał, Dziendzikowski

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Damage identification in aircraft composite structures: A case study using various non-destructive testing techniques. <i>Composite Structures</i> , 2015, 127, 1-9.	3.1	246
2	In situ Barely Visible Impact Damage detection and localization for composite structures using surface mounted and embedded PZT transducers: A comparative study. <i>Mechanical Systems and Signal Processing</i> , 2016, 78, 91-106.	4.4	67
3	Structural Health Monitoring of a Composite Panel Based on PZT Sensors and a Transfer Impedance Framework. <i>Sensors</i> , 2018, 18, 1521.	2.1	37
4	Progressive effects of silver nanoparticles on hormonal regulation of reproduction in male rats. <i>Toxicology and Applied Pharmacology</i> , 2016, 313, 35-46.	1.3	34
5	Localizing impact damage of composite structures with modified RAPID algorithm and non-circular PZT arrays. <i>Archives of Civil and Mechanical Engineering</i> , 2017, 17, 178-187.	1.9	33
6	On the mechanical response of CFRP composite with embedded optical fibre when subjected to low velocity impact and CAI tests. <i>Composite Structures</i> , 2017, 179, 21-34.	3.1	18
7	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
8	A method to compensate non-damage-related influences on Damage Indices used for pitch-catch scheme of piezoelectric transducer based Structural Health Monitoring. <i>Structural Health Monitoring</i> , 2016, 15, 423-437.	4.3	8
9	Energy Correlated Damage Indices in Fatigue Crack Extent Quantification. <i>Key Engineering Materials</i> , 0, 569-570, 1186-1193.	0.4	7
10	Extended Damage Detection and Identification in Aircraft Structure Based on Multifrequency Eddy Current Method and Mutual Image Similarity Assessment. <i>Materials</i> , 2021, 14, 4452.	1.3	7
11	The Development of the Non-Parametric Classification Models for the Damage Monitoring on the Example of the ORLIK Aircraft Structure. <i>Key Engineering Materials</i> , 2012, 518, 358-363.	0.4	6
12	Modelling and Experimental Testing of Thick CFRP Composites Subjected to Low Velocity Impacts. <i>Procedia Structural Integrity</i> , 2019, 24, 101-109.	0.3	6
13	Comparison of Novelty Detection Methods for Detection of Various Rotary Machinery Faults. <i>Sensors</i> , 2021, 21, 3536.	2.1	6
14	Fuzzy-Logic-Based Recommendation System for Processing in Condition Monitoring. <i>Sensors</i> , 2022, 22, 3695.	2.1	6
15	Damage Size Estimation of the Aircraft Structure with Use of Embedded Sensor Network Generating Elastic Waves. <i>Key Engineering Materials</i> , 2014, 598, 57-62.	0.4	5
16	Numerical and experimental verification of an inverse-ε-direct approach for load and strain monitoring in aeronautical structures. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2657.	1.9	5
17	Application of Operational Load Monitoring System for Fatigue Estimation of Main Landing Gear Attachment Frame of an Aircraft. <i>Materials</i> , 2021, 14, 6564.	1.3	5
18	New diffeomorphism invariant states on a holonomy-flux algebra. <i>Classical and Quantum Gravity</i> , 2010, 27, 225005.	1.5	4

#	ARTICLE	IF	CITATIONS
19	Use of resistive ladder sensors for crack monitoring during Full Scale Fatigue Test. , 2014, , .		3
20	Numerical and Experimental UAV Structure Investigation by Pre-Flight Load Test. Sensors, 2020, 20, 3014.	2.1	3
21	On the Evaluation of a Coupled Sequential Approach for Rotorcraft Landing Simulation. Sensors, 2020, 20, 2540.	2.1	3
22	3D Reconstruction of Ultrasonic B-Scans for Nondestructive Testing of Composites. Lecture Notes in Computer Science, 2016, , 266-277.	1.0	3
23	The Experimental Verification of Direct-Write Silver Conductive Grid and ARIMA Time Series Analysis for Crack Propagation. Sensors, 2021, 21, 6916.	2.1	3
24	An Approach to Damage Detection in the Aircraft Structure with the Use of Integrated Sensors – The Symost Project. Fatigue of Aircraft Structures, 2012, 2012, 10-16.	0.3	2
25	UAV Pre-flight Structural Strength Verification during On-ground Static Load Test. , 2019, , .		2
26	The use of silver conductive paint for crack propagation sensor customization. , 2021, , .		2
27	Operational Load Monitoring System Implementation for Su-22UM3K Aging Aircraft. , 0, , .		2
28	Fatigue Cracks Detection using PZT Transducers under the Influence of Uncertain Environmental Factors. Fatigue of Aircraft Structures, 2016, 2016, 111-115.	0.3	2
29	Fatigue Crack Propagation Estimation Based on Direct Strain Measurement during a Full-Scale Fatigue Test. Sensors, 2022, 22, 2019.	2.1	2
30	Remote Monitoring of Fatigue Cracks Growth in the Aircraft Structure Based on Active Piezosensor Network during the Full Scale Fatigue Test. Key Engineering Materials, 2013, 588, 249-256.	0.4	1
31	Health Monitoring of the Aircraft Structure during a Full Scale Fatigue Test with Use of an Active Piezoelectric Sensor Network. Solid State Phenomena, 0, 220-221, 328-332.	0.3	1
32	Health Monitoring of the Aircraft Structure during a Full Scale Fatigue Test with Use of Resistive Ladder Sensors. Solid State Phenomena, 0, 220-221, 349-354.	0.3	1
33	Recommendation System for Signal Processing in SHM. Lecture Notes in Computer Science, 2021, , 328-337.	1.0	1
34	Introduction of an Individual Aircraft Tracking Program for the Polish SU-22. Fatigue of Aircraft Structures, 2017, 2017, 101-108.	0.3	1
35	Mi-24 Helicopter Full Scale Fatigue Test Concept. Fatigue of Aircraft Structures, 2019, 2019, 11-18.	0.3	1
36	Diagnostic-Quality Guided Wave Signals Synthesized Using Generative Adversarial Neural Networks. Sensors, 2022, 22, 3848.	2.1	1

#	ARTICLE	IF	CITATIONS
37	Predictive Models for Transient Loads of Vertical Stabilizer of an Aircraft Using Canonical Correlation Analysis. Solid State Phenomena, 0, 260, 235-240.	0.3	0
38	Low-velocity impact damage detection of CFRP composite panel based on Transfer Impedance approach to Structural Health Monitoring. , 2021, , .		0
39	Fatigue Cracks Detection and Their Growth Monitoring During Fatigue Test of a Helicopter Tail Boom. , 0, , .		0
40	Composite Diagnostics with Use of Embedded PZT Transducers – A Smart Structure Example. , 0, , .		0
41	Transfer Impedance Approach to Damage Detection and Localization Based on RAPID Imaging Algorithm. , 0, , .		0