

Miroslav Mahdal

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Multi Swarm Optimization Based Clustering with Tabu Search in Wireless Sensor Network. Sensors, 2022, 22, 1736.	2.1	9
2	The PID and 2DOF control of the integral system - influence of the 2DOF parameters and practical implementation. Measurement and Control, 2022, 55, 94-101.	0.9	6
3	Machine-Learning-Assisted Prediction of Maximum Metal Recovery from Spent Zinc-Manganese Batteries. Processes, 2022, 10, 1034.	1.3	11
4	Optimization of Variable Stiffness Joint in Robot Manipulator Using a Novel NSWOA-MARCOS Approach. Processes, 2022, 10, 1074.	1.3	7
5	Scan Time Reduction of PLCs by Dedicated Parallel-Execution Multiple PID Controllers Using an FPGA. Sensors, 2022, 22, 4584.	2.1	3
6	Accurate Estimation of Tensile Strength of 3D Printed Parts Using Machine Learning Algorithms. Processes, 2022, 10, 1158.	1.3	13
7	An Effective and Secure Mechanism for Phishing Attacks Using a Machine Learning Approach. Processes, 2022, 10, 1356.	1.3	11
8	Spectral analysis of gaseous cavitation in water through multiphase mathematical and acoustic methods. Physics of Fluids, 2021, 33, 085128.	1.6	6
9	Nonlinear Integral System Control. , 2020, , .		1
10	Model of Automatic Parking House. Advances in Science, Technology and Engineering Systems, 2020, 5, 111-115.	0.4	0
11	The Welding Current and Voltage Smart Sensor. , 2019, , .		1
12	Parking House Action Subsystem Control. , 2019, , .		3
13	High speed current sensing system for welding. IFAC-PapersOnLine, 2019, 52, 139-144.	0.5	5
14	Application of a Bandpass Filter for the Active Vibration Control of High-Speed Rotors. , 2019, 24, 608-615.		5
15	Measurement of Aerodynamic and Acoustic Quantities Describing Flow around a Body Placed in a Wind Tunnel. Measurement Science Review, 2019, 19, 20-28.	0.6	2
16	A Study of Factors Influencing Sound Absorption Properties of Porous Materials. Manufacturing Technology, 2019, 19, 156-160.	0.2	4
17	AN ACTIVELY CONTROLLED JOURNAL BEARING WITH INCREASED RESISTANCE TO INSTABILITY. MM Science Journal, 2019, 2019, 2849-2854.	0.2	1
18	CompactRIO control system for active vibration control. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	THEORETICAL AND EXPERIMENTAL ANALYSIS OF THE BEARING JOURNAL MOTION DUE TO FLUID FORCE CAUSED BY THE OIL FILM. MM Science Journal, 2018, 2018, 2466-2472.	0.2	2
20	Piezoelectric actuators in the active vibration control system of journal bearings. Journal of Physics: Conference Series, 2017, 870, 012017.	0.3	7
21	Behaviour of 2DOF controller in the closed-loop control with pneumatic actuator. , 2017, , .		1
22	Experimental measurement of energy harvesting with backpack. , 2017, , .		0
23	Simulation study of using a cascade of all-pass filters in active vibration control of mechanical structures. , 2017, , .		3
24	Automatically tunable bandpass filter. , 2017, , .		1
25	Spectral Analysis of Pressure, Noise and Vibration Velocity Measurement in Cavitation. Measurement Science Review, 2017, 17, 250-256.	0.6	14
26	Identification of the noise using mathematical modelling. EPJ Web of Conferences, 2016, 114, 02017.	0.1	0
27	Vibration damping of simply supported and fixed beams with the use of piezoactuators. , 2016, , .		0
28	Scanning of trucks to produce 3D models for analysis of timber loads. , 2016, , .		4
29	Application of Kalman filter for high rotational speed measurement. , 2016, , .		2
30	Laboratory model for active vibration control. , 2015, , .		1
31	Effect of the controller gain on efficiency of active vibration control of sliding bearings. , 2015, , .		2
32	Modelling and simulation of an active damped structure. , 2014, , .		5
33	Simulation of the parametric excitation of the cantilever beam vibrations. , 2014, , .		2
34	SW support for CCC and CQC control charts. , 2014, , .		0
35	Two dimensional Fourier transform using MATLAB. , 2013, , .		1
36	Comparising of antialiasing filters in A / D converters. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
37	Modal analysis of the cantilever beam. , 2013, , .		4
38	Verification method of rotors instability measurement. , 2013, , .		0
39	Optimized Solar Energy Power Supply for Remote Wireless Sensors Based on IEEE 802.15.4 Standard. International Journal of Photoenergy, 2012, 2012, 1-9.	1.4	9
40	Solar energy as alternative power supply for communication system IEEE 802.15.4 standard. , 2012, , .		3
41	Control of plants with a time delay. , 2012, , .		2
42	Alternative methods of power supply for autonomous intelligent wireless sensors. , 2011, , .		3
43	Measuring the Deflection of a Circular Plate on an Elastic Foundation and Comparison with Analytical and FE Approaches. Applied Mechanics and Materials, 0, 684, 407-412.	0.2	6