

Andrzej Koszewnik

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

161
citations

1307594

7
h-index

1199594

12
g-index

28
all docs

28
docs citations

28
times ranked

126
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical and electrical impedance matching in a piezoelectric beam for Energy Harvesting. European Physical Journal: Special Topics, 2015, 224, 2719-2731.	2.6	25
2	Mu-Synthesis robust control of 3D bar structure vibration using piezo-stack actuators. Mechanical Systems and Signal Processing, 2016, 78, 18-27.	8.0	19
3	The Parrot UAV Controlled by PID Controllers. Acta Mechanica Et Automatica, 2014, 8, 65-69.	0.6	16
4	Fractional order controller to control pump in FESTO MPSÂ® PA Compact Workstation. , 2016, , .		14
5	Experimental Studies of the Fractional PID and TID Controllers for Industrial Process. International Journal of Control, Automation and Systems, 2021, 19, 1847-1862.	2.7	14
6	Performance assessment of an energy harvesting system located on a copter. European Physical Journal: Special Topics, 2019, 228, 1677-1692.	2.6	12
7	Quasi-optimal locations of piezo-elements on a rectangular plate. European Physical Journal Plus, 2016, 131, 1.	2.6	10
8	Analytical Modeling and Experimental Validation of an Energy Harvesting System for the Smart Plate with an Integrated Piezo-Harvester. Sensors, 2019, 19, 812.	3.8	9
9	Modelling and Testing of the Piezoelectric Beam as Energy Harvesting System. Acta Mechanica Et Automatica, 2016, 10, 291-295.	0.6	6
10	The design of a vibration control system for an aluminum plate with piezo-stripes based on residues analysis of model. European Physical Journal Plus, 2018, 133, 1.	2.6	5
11	Numerical Analysis and Experimental Verification of Damage Identification Metrics for Smart Beam with MFC Elements to Support Structural Health Monitoring. Sensors, 2021, 21, 6796.	3.8	5
12	On GrÃ¼nwald-Letnikov Fractional Operator with Measurable Order on Continuous-Discrete Time Scale. Acta Mechanica Et Automatica, 2020, 14, 161-165.	0.6	4
13	Parameter Optimization of a Magnetic Coupled Piezoelectric Energy Harvester with the Homogenized Materialâ€™ Numerical Approach and Experimental Study. Sensors, 2022, 22, 4073.	3.8	4
14	The active vibration control of the smart plate by using piezo-patches. , 2015, , .		3
15	Assessment parameters of fractional order capacitor of piezo-patch harvester located on a multicopter. European Physical Journal: Special Topics, 2022, 231, 1505-1516.	2.6	3
16	Reduction Methods of Structure Models for Control System Purposes. Solid State Phenomena, 0, 248, 119-126.	0.3	2
17	Performance Assessment of the Tilt Fractional Order Integral Derivative Regulator for Control Flow Rate in Festo MPSÂ® PA Compact Workstation. , 2018, , .		2
18	Markov parameters of the input-output map for discrete-time order systems with Grunvald-Letnikov h-differece operator. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	The influence of a slider gap in the beam–slider structure with an MFC element on energy harvesting from the system: experimental case. <i>Acta Mechanica</i> , 2021, 232, 819-833.	2.1	2
20	PID Controllers Design Applied to Positioning of Ball on the Stewart Platform. <i>Acta Mechanica Et Automatica</i> , 2014, 8, 214-218.	0.6	1
21	The optimal vibration control of the plate structure by using piezo-actuators. , 2016, , .		1
22	The influence of the piezoelements placement on the active vibration damping of smart truss. <i>Archives of Control Sciences</i> , 2010, 20, .	1.7	1
23	Experimental Validation of Equivalent Circuit Modelling of the Piezo-Stripe Harvester Attached to the SFSE Rectangular Plate. <i>Acta Mechanica Et Automatica</i> , 2020, 14, 8-15.	0.6	1
24	Identification of a Flexible Cantilever Beam Equipped in Piezoelements for Vibration Control System. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2009, 9, 223-224.	0.2	0
25	The active vibration control of the plate structure by using LQG controller and piezo-stripes. , 2017, , .		0
26	Designing of active vibration control system for smart structure 2-D with non-collocated piezo-elements. , 2017, , .		0
27	MODELLING OF THE SEAT SUSPENSION SYSTEM FOR THE VIBRATION CONTROL SYSTEM. <i>Mechanics and Control</i> , 2013, 32, 97.	0.1	0