

Pavol LipovskÃ½

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5663194/publications.pdf>

Version: 2024-02-01

35
papers

196
citations

1307594

7
h-index

1281871

11
g-index

35
all docs

35
docs citations

35
times ranked

139
citing authors

#	ARTICLE	IF	CITATIONS
1	Inductive Position and Speed Sensors. <i>Sensors</i> , 2020, 20, 65.	3.8	20
2	Research on Energy Management of Hybrid Unmanned Aerial Vehicles to Improve Energy-Saving and Emission Reduction Performance. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2917.	2.6	20
3	Indoor Mapping of Magnetic Fields Using UAV Equipped with Fluxgate Magnetometer. <i>Sensors</i> , 2021, 21, 4191.	3.8	14
4	GRBAlpha: a 1U CubeSat mission for validating timing-based gamma-ray burst localization. , 2020, , .		14
5	Extra low frequency magnetic fields of welding machines and personal safety. <i>Journal of Electrical Engineering</i> , 2018, 69, 493-496.	0.7	13
6	Analysis of All-composite Wing Design Containing Magnetic Microwires. <i>Procedia Engineering</i> , 2014, 96, 428-434.	1.2	9
7	Calibration of Magnetometer for Small Satellites Using Neural Network. <i>Acta Physica Polonica A</i> , 2017, 131, 1129-1131.	0.5	9
8	Advanced Method for Magnetic Microwires Noise Specification. <i>Acta Physica Polonica A</i> , 2014, 126, 86-87.	0.5	7
9	Possibility of usage the latest GSM generations for the purpose of UAV communication. , 2016, , .		7
10	Low Frequency Magnetic Fields and Safety. <i>Acta Physica Polonica A</i> , 2020, 137, 693-696.	0.5	7
11	Possible Detection of Multirotor UAVs Based on Disturbances in Magnetic Field. , 2018, , .		6
12	Aeronautical Composite Construction Monitoring by Magnetic Microwires. , 2018, , .		6
13	Non-Destructive Testing of Aircraft Structures Using Microwire-Based Tensile Stress Sensor. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8218.	2.5	6
14	Relax-Type Magnetometer with Direct Optocoupler Relaxation. <i>Acta Physica Polonica A</i> , 2020, 137, 681-683.	0.5	6
15	Electromagnetic image of small UAV in very low frequency range. <i>Journal of Electrical Engineering</i> , 2018, 69, 438-441.	0.7	6
16	Vector magnetometer used as magnetometric security subsystem. , 2015, , .		5
17	Data Acquisition System for UAV Autopilot and Operator Evaluation. , 2019, , .		5
18	Estimation of Multichannel Magnetometer Noise Floor in Ordinary Laboratory Conditions. <i>Acta Physica Polonica A</i> , 2017, 131, 1123-1125.	0.5	5

#	ARTICLE	IF	CITATIONS
19	Noise Characteristics of Microwire Magnetometer. Acta Physica Polonica A, 2014, 126, 384-385.	0.5	4
20	Influence of Periodical Interference on the Noise Analysis of Inertial Sensors Using Allan Variance. , 2019, , .		4
21	Concept of Magnetic Microwires Based Magnetometer for UAV Geophysical Survey. , 2020, , .		4
22	Low-Frequency Magnetic Fields in Diagnostics of Low-Speed Electrical and Mechanical Systems. Sustainability, 2021, 13, 9197.	3.2	3
23	Modeling of the tensometric measuring system. Acta Avionica Journal, 0, , 18-23.	0.0	3
24	MAVLink Messaging Protocol as Potential Candidate for the UTM Communication. , 2020, , .		3
25	Influence of periodical interference on calibration process of vector magnetometer. , 2016, , .		2
26	skCUBE very-low-frequency radio waves detector and whistlers. , 2017, , .		2
27	Technical Cleanliness - a Requirement of Precision Manufacturing. Acta Mechanica Slovaca, 2019, 23, 46-51.	0.1	2
28	Discussion on blockchain applications in unmanned aerial systems domain. , 2020, , .		2
29	Comparison of Speed and Accuracy of Chosen Magnetometer Calibration Algorithms in the Presence of External Interference. , 2018, , .		1
30	Influence of Stationary and Time-Varying Periodical Interference on Magnetic Sensor Noise Analysis Using Allan Variance. Acta Physica Polonica A, 2020, 137, 677-680.	0.5	1
31	Gradient methodology for 3-axis accelerometer static calibration. , 2015, , .		0
32	Accelerometer Calibration Based on Spectral Analysis. , 2018, , .		0
33	Simple Filtering Algorithms for the Needs of Measuring UAV Parameters. , 2020, , .		0
34	Transfer characteristics of contactless microwire sensor. , 2017, , .		0
35	Design of Workplace for Multirotor UAV Parameters Measurement. , 2020, , .		0