Marin B Marinov

List of Publications by Year
in descending order

		1684188	1372567
45 papers	**238** citations	**5** h-index	**10** g-index
45 all docs	**45** docs citations	**45** times ranked	**142** citing authors

#	Article	IF	Citations
1	Linear Interval Approximation for Smart Sensors and IoT Devices. Sensors, 2022, 22, 949.	3.8	17
2	Generalized nets model of the LPF-algorithm of the crossbar switch node for determining LPF-execution time complexity. AIP Conference Proceedings, 2021, , .	0.4	7
3	Object Detection and Mapping with Unmanned Aerial Vehicles Using Convolutional Neural Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 254-267.	0.3	3
4	Application of Gaussian Process Estimation for Magnetic Field Mapping. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 284-298.	0.3	2
5	Indoor Air Quality Assessment Using Low-cost Commercial Off-the-Shelf Sensors. , 2021, , .		1
6	Review of Microfluidic Methods for Cellular Lysis. Micromachines, 2021, 12, 498.	2.9	30
7	High-resolution Particulate Matter Monitoring and Mapping in Urban Environments. , 2021, , .		1
8	Evaluation of Deep Learning-Based Neural Network Methods for Cloud Detection and Segmentation. Energies, 2021, 14, 6156.	3.1	5
9	Embedded Machine Learning for Machine Condition Monitoring. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 217-228.	0.3	3
10	Optoelectronic Methods for Non-invasive Analysis of Hematocrit Level. , 2021, , .		0
11	Pendulum Experimental Study and Analysis with MEMS Accelerometer. , 2021, , .		1
12	Comparative Analysis of Sensors for Soil Moisture Measurement. , 2021, , .		2
13	Experimental Setup for Neural Networks and Camera-Based Navigation of Mobile Systems. , 2021, , .		1
14	LabVIEW Based System for Determining Energy Flows in Energy Storage System. , 2021, , .		0
15	Smart Multisensor Node for Remote Elevator Condition Monitoring. , 2020, , .		2
16	Development of a Digital Camera-Based Method for Bridge Deformation Measurement. , 2020, , .		1
17	Nonintrusive Measurement of Elevator Velocity Based on Inertial and Barometric Sensors in Autonomous Node. , 2020, , .		7
18	System Setup for Synchronized Visual-Inertial Localization and Mapping. , 2020, , .		4

#	Article	IF	Citations
19	Analysis of Asymmetry in the Resonant Stage of Multiphase Converters for E-Mobility Charging Station. Communications in Computer and Information Science, 2020, , 370-380.	0.5	0
20	Experimental Set-up for Evaluation of Algorithms for Simultaneous Localization and Mapping. Communications in Computer and Information Science, 2020, , 433-444.	0.5	1
21	Smart Sensor Node for Distributed Noise Monitoring. , 2020, , .		2
22	Application of the Activity Sampling Method for Cost Optimization of Lighting in Logistics Sites. , 2019, , .		0
23	Improvement of the Approximation Accuracy of LED Radiation Patterns. Electronics (Switzerland), 2019, 8, 337.	3.1	9
24	Mobile Platform for Particulate Matter Monitoring. , 2019, , .		0
25	Ground Sky Imager Based Short Term Cloud Coverage Prediction. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 372-385.	0.3	0
26	Virtual Exploration of Working Environments. , 2018, , .		0
27	Fisheye Camera Calibration and Distortion Correction for Ground Based Sky Imagery. , 2018, , .		2
28	Algorithms for cloud segmentation with ground-based camera images. , 2018, , .		1
29	Mixed Reality Smart Glasses Application for Interactive Working. , 2018, , .		5
30	Characterization of different types of photovoltaic cells using remote virtual system. , 2018, , .		3
31	Performance Evaluation of Low-cost Carbon Dioxide Sensors. , 2018, , .		6
32	Comparison of Algorithms for Short-term Cloud Coverage Prediction. , 2018, , .		3
33	Environmental noise monitoring and mapping. , 2017, , .		7
34	Virtual system for analysis of treated water. , 2017, , .		3
35	Performance evaluation of low-cost particulate matter sensors. , 2017, , .		10
36	Comparison of Time Warping Algorithms for Rail Vehicle Velocity Estimation in Low Speed Scenarios. Metrology and Measurement Systems, 2017, 24, 161-173.	1.4	3

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37	Using motion capturing sensor systems for natural user interface. , 2016, , .		3
38	Virtual colorimeter for water analysis. , 2016, , .		4
39	Modeling of the MiMa-algorithm for crossbar switch by means of Generalized Nets. , 2016, , .		12
40	LabVIEW based ECG signal acquisition and analysis. , 2016, , .		8
41	Environmental noise logging and calculating. , 2016, , .		0
42	Air quality monitoring in urban environments. , 2016, , .		42
43	Improvement of NDIR carbon dioxide sensor accuracy. , 2015, , .		4
44	Eddy current sensor based velocity and distance estimation in rail vehicles. IET Science, Measurement and Technology, 2015, 9, 875-881.	1.6	20
45	An adaptive approach for linearization of temperature sensor characteristics. , 0, , .		3