

Marin B Marinov

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

238
citations

1684188

5
h-index

1372567

10
g-index

45
all docs

45
docs citations

45
times ranked

142
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Air quality monitoring in urban environments. , 2016, , . | | 42 |
| 2 | Review of Microfluidic Methods for Cellular Lysis. Micromachines, 2021, 12, 498. | 2.9 | 30 |
| 3 | Eddy current sensor based velocity and distance estimation in rail vehicles. IET Science, Measurement and Technology, 2015, 9, 875-881. | 1.6 | 20 |
| 4 | Linear Interval Approximation for Smart Sensors and IoT Devices. Sensors, 2022, 22, 949. | 3.8 | 17 |
| 5 | Modeling of the MiMa-algorithm for crossbar switch by means of Generalized Nets. , 2016, , . | | 12 |
| 6 | Performance evaluation of low-cost particulate matter sensors. , 2017, , . | | 10 |
| 7 | Improvement of the Approximation Accuracy of LED Radiation Patterns. Electronics (Switzerland), 2019, 8, 337. | 3.1 | 9 |
| 8 | LabVIEW based ECG signal acquisition and analysis. , 2016, , . | | 8 |
| 9 | Environmental noise monitoring and mapping. , 2017, , . | | 7 |
| 10 | Nonintrusive Measurement of Elevator Velocity Based on Inertial and Barometric Sensors in Autonomous Node. , 2020, , . | | 7 |
| 11 | 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 |
| 12 | Performance Evaluation of Low-cost Carbon Dioxide Sensors. , 2018, , . | | 6 |
| 13 | Mixed Reality Smart Glasses Application for Interactive Working. , 2018, , . | | 5 |
| 14 | Evaluation of Deep Learning-Based Neural Network Methods for Cloud Detection and Segmentation. Energies, 2021, 14, 6156. | 3.1 | 5 |
| 15 | Improvement of NDIR carbon dioxide sensor accuracy. , 2015, , . | | 4 |
| 16 | Virtual colorimeter for water analysis. , 2016, , . | | 4 |
| 17 | System Setup for Synchronized Visual-Inertial Localization and Mapping. , 2020, , . | | 4 |
| 18 | An adaptive approach for linearization of temperature sensor characteristics. , 0, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Using motion capturing sensor systems for natural user interface. , 2016, , . | | 3 |
| 20 | Virtual system for analysis of treated water. , 2017, , . | | 3 |
| 21 | Characterization of different types of photovoltaic cells using remote virtual system. , 2018, , . | | 3 |
| 22 | Comparison of Algorithms for Short-term Cloud Coverage Prediction. , 2018, , . | | 3 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | Fisheye Camera Calibration and Distortion Correction for Ground Based Sky Imagery. , 2018, , . | | 2 |
| 27 | Smart Multisensor Node for Remote Elevator Condition Monitoring. , 2020, , . | | 2 |
| 28 | 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 |
| 29 | Comparative Analysis of Sensors for Soil Moisture Measurement. , 2021, , . | | 2 |
| 30 | Smart Sensor Node for Distributed Noise Monitoring. , 2020, , . | | 2 |
| 31 | Algorithms for cloud segmentation with ground-based camera images. , 2018, , . | | 1 |
| 32 | Development of a Digital Camera-Based Method for Bridge Deformation Measurement. , 2020, , . | | 1 |
| 33 | Indoor Air Quality Assessment Using Low-cost Commercial Off-the-Shelf Sensors. , 2021, , . | | 1 |
| 34 | High-resolution Particulate Matter Monitoring and Mapping in Urban Environments. , 2021, , . | | 1 |
| 35 | Experimental Set-up for Evaluation of Algorithms for Simultaneous Localization and Mapping. Communications in Computer and Information Science, 2020, , 433-444. | 0.5 | 1 |
| 36 | Pendulum Experimental Study and Analysis with MEMS Accelerometer. , 2021, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Experimental Setup for Neural Networks and Camera-Based Navigation of Mobile Systems. , 2021, , . | | 1 |
| 38 | Environmental noise logging and calculating. , 2016, , . | | 0 |
| 39 | Virtual Exploration of Working Environments. , 2018, , . | | 0 |
| 40 | Application of the Activity Sampling Method for Cost Optimization of Lighting in Logistics Sites. , 2019, , . | | 0 |
| 41 | Mobile Platform for Particulate Matter Monitoring. , 2019, , . | | 0 |
| 42 | 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 |
| 43 | 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 |
| 44 | Optoelectronic Methods for Non-invasive Analysis of Hematocrit Level. , 2021, , . | | 0 |
| 45 | LabVIEW Based System for Determining Energy Flows in Energy Storage System. , 2021, , . | | 0 |