

Vsevolod A Simon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9076317/publications.pdf>

Version: 2024-02-01

30
papers

75
citations

1937685

4
h-index

1872680

6
g-index

30
all docs

30
docs citations

30
times ranked

26
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Microcontroller power supply with adjustable output for biomedical devices and other electronic applications. AIP Conference Proceedings, 2021, , . | 0.4 | 0 |
| 2 | Research of the simplified human recognition algorithms for controlling household appliances. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 3 | Analog-digital educational setup for electrocardiogram and photoplethysmogram registration. AIP Conference Proceedings, 2019, , . | 0.4 | 2 |
| 4 | Prototype of the intraoral dental scanner based on a laser scanning system. AIP Conference Proceedings, 2019, , . | 0.4 | 3 |
| 5 | Optimization of the process of biomedical signals registration using an optical spectrometer. AIP Conference Proceedings, 2019, , . | 0.4 | 2 |
| 6 | Method for improving the quality of focusing in optical spectrometers used for the diagnosis of plasma spectra. Journal of Physics: Conference Series, 2019, 1313, 012055. | 0.4 | 1 |
| 7 | Calculation of the temperature effect of laser radiation on biological tissues. AIP Conference Proceedings, 2019, , . | 0.4 | 0 |
| 8 | Research of the effect of modulated laser radiation on biological tissues. AIP Conference Proceedings, 2019, , . | 0.4 | 0 |
| 9 | A method of simultaneous registration of biomedical signals. AIP Conference Proceedings, 2019, , . | 0.4 | 1 |
| 10 | Compensation of the calibration drift in the spectrometers used for biomedical applications. AIP Conference Proceedings, 2019, , . | 0.4 | 2 |
| 11 | An Approach to Digital Adaptive Filtering of Bioelectric Signals. , 2019, , . | | 2 |
| 12 | Application of an Automated Optoelectronic System for Determining Position of an Object. , 2019, , . | | 2 |
| 13 | A non-invasive optical technique for the liquid level metering. , 2018, , . | | 2 |
| 14 | Optimization of the methods for measuring color characteristics of light-emitting diodes in laboratory conditions. Journal of Physics: Conference Series, 2018, 1038, 012069. | 0.4 | 4 |
| 15 | Scientific and Technical Cooperation Between ETU "LETI" and LLC "C.Nord" in the Implementation of Joint Projects. , 2018, , . | | 0 |
| 16 | Peculiarities of noncontact cardiac signal registration. Journal of Physics: Conference Series, 2018, 1124, 031003. | 0.4 | 2 |
| 17 | Development of a device for monitoring gas discharge parameters in a system with boiling liquid in a channel. IOP Conference Series: Materials Science and Engineering, 2018, 387, 012064. | 0.6 | 0 |
| 18 | Modification of the CCD photodetectors for the suppression of interference in their internal structure. Journal of Physics: Conference Series, 2018, 1038, 012098. | 0.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Application of the gas-discharge surge arresters in X-ray devices and low voltage instrumentation. Journal of Physics: Conference Series, 2018, 967, 012015. | 0.4 | 2 |
| 20 | One-channel EEG monitor for tracking the depth of narcosis. Journal of Physics: Conference Series, 2018, 1038, 012028. | 0.4 | 2 |
| 21 | Distribution of coating thickness applied by magnetron sputtering. IOP Conference Series: Materials Science and Engineering, 2018, 387, 012051. | 0.6 | 0 |
| 22 | Wireless sensor with energy harvester. , 2017, , . | | 1 |
| 23 | Analysis of the water composition using emission spectra of a gas discharge. , 2017, , . | | 8 |
| 24 | Modification of the photosensitive CCD structures for application in the spectrometric equipment. , 2017, , . | | 8 |
| 25 | Single-channel electroencephalograph for monitoring the depth of anaesthesia. Journal of Physics: Conference Series, 2017, 881, 012021. | 0.4 | 3 |
| 26 | Compensation of the nonuniformity of sensitivity for the multielement infrared photodetector. Journal of Physics: Conference Series, 2017, 929, 012075. | 0.4 | 5 |
| 27 | Improvement of the measurement accuracy of the spectral method for evaluation parameters of the optically transparent thin films. Journal of Physics: Conference Series, 2017, 872, 012044. | 0.4 | 4 |
| 28 | Method of recording bioelectrical signals using a capacitive coupling. Journal of Physics: Conference Series, 2017, 929, 012016. | 0.4 | 5 |
| 29 | Raman spectroscopy for identification of wood species. Journal of Physics: Conference Series, 2016, 741, 012131. | 0.4 | 4 |
| 30 | A method of cardiac signal registration through a capacitive coupling between sensors and patient's skin. , 2016, , . | | 5 |