

Miodrag Bolic

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

587
citations

759233

12
h-index

752698

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g-index

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all docs

45
docs citations

45
times ranked

586
citing authors

#	ARTICLE	IF	CITATIONS
1	Contactless Measurement of Vital Signs Using Thermal and RGB Cameras: A Study of COVID 19-Related Health Monitoring. <i>Sensors</i> , 2022, 22, 627.	3.8	14
2	A Real-Time Respiration Monitoring and Classification System Using a Depth Camera and Radars. <i>Frontiers in Physiology</i> , 2022, 13, 799621.	2.8	9
3	Monitoring Respiratory Motion during VMAT Treatment Delivery Using Ultra-Wideband Radar. <i>Sensors</i> , 2022, 22, 2287.	3.8	3
4	A Q-Learning-Based Resource Allocation for Downlink Non-Orthogonal Multiple Access Systems Considering QoS. <i>IEEE Access</i> , 2021, 9, 72702-72711.	4.2	8
5	Identifying High Risk of Atherosclerosis Using Deep Learning and Ensemble Learning. , 2021, , .		1
6	Vessel Identification using Convolutional Neural Network-based Hardware Accelerators. , 2021, , .		1
7	Contactless Fall Detection Using Time-Frequency Analysis and Convolutional Neural Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 6842-6851.	11.3	47
8	Single-Stage UAV Detection and Classification with YOLOV5: Mosaic Data Augmentation and PANet. , 2021, , .		22
9	Drone-vs-Bird Detection Challenge at IEEE AVSS2021. , 2021, , .		19
10	Fall Detection Using Standoff Radar-Based Sensing and Deep Convolutional Neural Network. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 197-201.	3.0	51
11	Compressed Domain Contactless Fall Incident Detection using UWB Radar Signals. , 2020, , .		6
12	Radar-based Noncontact Human Activity Classification Using Genetic Programming. , 2020, , .		0
13	TL-FALL: Contactless Indoor Fall Detection Using Transfer Learning from a Pretrained Model. , 2019, , .		13
14	Performance Analysis of Oscillometric Blood Pressure Estimation Techniques in Cardiac Patients. , 2019, , .		4
15	An Efficient Dynamic Anti-Collision Protocol for Mobile RFID Tags Identification. <i>IEEE Communications Letters</i> , 2019, 23, 620-623.	4.1	14
16	Residual Network-Based Supervised Learning of Remotely Sensed Fall Incidents using Ultra-Wideband Radar. , 2019, , .		9
17	CapsFall: Fall Detection Using Ultra-Wideband Radar and Capsule Network. <i>IEEE Access</i> , 2019, 7, 55336-55343.	4.2	39
18	Classification of Doppler radar reflections as preprocessing for breathing rate monitoring. <i>IET Signal Processing</i> , 2019, 13, 21-28.	1.5	10

#	ARTICLE	IF	CITATIONS
19	Fuzzy String Matching with a Deep Neural Network. Applied Artificial Intelligence, 2018, 32, 1-12.	3.2	11
20	Complex Event Recognition Notification Methodology for Uncertain IoT Systems Based on Micro-Service Architecture. , 2018, , .		4
21	Speaker Differentiation Using a Convolutional Autoencoder. , 2018, , .		2
22	On the Use of Ultra Wideband Radar and Stacked LSTM-RNN for at Home Fall Detection. , 2018, , .		18
23	Single Channel Continuous Wave Doppler Radar for Differentiating Types of Human Activity. , 2018, , .		2
24	Event Recognition for Contactless Activity Monitoring Using Phase-Modulated Continuous Wave Radar. IEEE Transactions on Biomedical Engineering, 2017, 64, 479-491.	4.2	31
25	An integrated blood pressure measurement system for suppression of motion artifacts. Computer Methods and Programs in Biomedicine, 2017, 145, 1-10.	4.7	7
26	Predicting Modulation in Corticomotor Excitability and in Transcallosal Inhibition in Response to Anodal Transcranial Direct Current Stimulation. Frontiers in Human Neuroscience, 2016, 10, 49.	2.0	33
27	Time-frequency based contactless estimation of vital signs of human while walking using PMCW radar. , 2016, , .		11
28	Bayesian fusion algorithm for improved oscillometric blood pressure estimation. Medical Engineering and Physics, 2016, 38, 1300-1304.	1.7	5
29	An integrated system to compensate for temperature drift and ageing in non-invasive blood pressure measurement. , 2016, , .		5
30	Extraction of Cole parameters from the electrical bioimpedance spectrum using stochastic optimization algorithms. Medical and Biological Engineering and Computing, 2016, 54, 643-651.	2.8	28
31	A comparative study of PCA, SIMCA and Cole model for classification of bioimpedance spectroscopy measurements. Computers in Biology and Medicine, 2015, 63, 42-51.	7.0	18
32	Reducing the phase cancellation effect in augmented RFID system. International Journal of Parallel, Emergent and Distributed Systems, 2015, 30, 494-514.	1.0	4
33	Theoretical Analysis of the Effect of Temperature on Current Delivery to the Brain During tDCS. Brain Stimulation, 2015, 8, 509-514.	1.6	9
34	Lasting depression in corticomotor excitability associated with local scalp cooling. Neuroscience Letters, 2015, 600, 127-131.	2.1	5
35	Model-Based Mean Arterial Pressure Estimation Using Simultaneous Electrocardiogram and Oscillometric Blood Pressure Measurements. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2443-2452.	4.7	28
36	Detection of human targets behind the wall based on singular value decomposition and skewness variations. , 2014, , .		14

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37	Exploiting dual-antenna diversity for phase cancellation in augmented RFID system. , 2014, , .		11
38	Accelerated Harmonic-Balance Analysis Using a Graphical Processing Unit Platform. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2014, 33, 1017-1030.	2.7	2
39	Ratio-Independent Blood Pressure Estimation by Modeling the Oscillometric Waveform Envelope. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2501-2503.	4.7	22
40	An ECG monitoring system using conductive fabric. , 2013, , .		20
41	The MouthPad: A tongue-computer interface. , 2013, , .		7
42	Multiparameter Physiological Analysis in Obstructive Sleep Apnea Simulated With Mueller Maneuver. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 2751-2762.	4.7	16
43	Modified phase-only correlator for pileup correction for gamma-ray spectrometry. , 2013, , .		2
44	Superabsorbent polymer electrode for transcranial direct current stimulation. , 2013, , .		0
45	Automating Evidence Collection at the Crime Scene Using RFID Technology for CBRN Events. Forensic Science Policy and Management, 2012, 3, 3-11.	0.5	2