

Miodrag Bolic

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

587
citations

759233

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45
all docs

45
docs citations

45
times ranked

586
citing authors

#	ARTICLE	IF	CITATIONS
1	Fall Detection Using Standoff Radar-Based Sensing and Deep Convolutional Neural Network. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 197-201.	3.0	51
2	Contactless Fall Detection Using Time-Frequency Analysis and Convolutional Neural Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 6842-6851.	11.3	47
3	CapsFall: Fall Detection Using Ultra-Wideband Radar and Capsule Network. IEEE Access, 2019, 7, 55336-55343.	4.2	39
4	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
5	Event Recognition for Contactless Activity Monitoring Using Phase-Modulated Continuous Wave Radar. IEEE Transactions on Biomedical Engineering, 2017, 64, 479-491.	4.2	31
6	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
7	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
8	Ratio-Independent Blood Pressure Estimation by Modeling the Oscillometric Waveform Envelope. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2501-2503.	4.7	22
9	Single-Stage UAV Detection and Classification with YOLOV5: Mosaic Data Augmentation and PANet. , 2021, , .		22
10	An ECG monitoring system using conductive fabric. , 2013, , .		20
11	Drone-vs-Bird Detection Challenge at IEEE AVSS2021. , 2021, , .		19
12	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
13	On the Use of Ultra Wideband Radar and Stacked LSTM-RNN for at Home Fall Detection. , 2018, , .		18
14	Multiparameter Physiological Analysis in Obstructive Sleep Apnea Simulated With Mueller Maneuver. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 2751-2762.	4.7	16
15	Detection of human targets behind the wall based on singular value decomposition and skewness variations. , 2014, , .		14
16	An Efficient Dynamic Anti-Collision Protocol for Mobile RFID Tags Identification. IEEE Communications Letters, 2019, 23, 620-623.	4.1	14
17	Contactless Measurement of Vital Signs Using Thermal and RGB Cameras: A Study of COVID 19-Related Health Monitoring. Sensors, 2022, 22, 627.	3.8	14
18	TL-FALL: Contactless Indoor Fall Detection Using Transfer Learning from a Pretrained Model. , 2019, , .		13

#	ARTICLE	IF	CITATIONS
19	Exploiting dual-antenna diversity for phase cancellation in augmented RFID system. , 2014, , .		11
20	Time-frequency based contactless estimation of vital signs of human while walking using PMCW radar. , 2016, , .		11
21	Fuzzy String Matching with a Deep Neural Network. Applied Artificial Intelligence, 2018, 32, 1-12.	3.2	11
22	Classification of Doppler radar reflections as preprocessing for breathing rate monitoring. IET Signal Processing, 2019, 13, 21-28.	1.5	10
23	Theoretical Analysis of the Effect of Temperature on Current Delivery to the Brain During tDCS. Brain Stimulation, 2015, 8, 509-514.	1.6	9
24	Residual Network-Based Supervised Learning of Remotely Sensed Fall Incidents using Ultra-Wideband Radar. , 2019, , .		9
25	A Real-Time Respiration Monitoring and Classification System Using a Depth Camera and Radars. Frontiers in Physiology, 2022, 13, 799621.	2.8	9
26	A Q-Learning-Based Resource Allocation for Downlink Non-Orthogonal Multiple Access Systems Considering QoS. IEEE Access, 2021, 9, 72702-72711.	4.2	8
27	The MouthPad: A tongue-computer interface. , 2013, , .		7
28	An integrated blood pressure measurement system for suppression of motion artifacts. Computer Methods and Programs in Biomedicine, 2017, 145, 1-10.	4.7	7
29	Compressed Domain Contactless Fall Incident Detection using UWB Radar Signals. , 2020, , .		6
30	Lasting depression in corticomotor excitability associated with local scalp cooling. Neuroscience Letters, 2015, 600, 127-131.	2.1	5
31	Bayesian fusion algorithm for improved oscillometric blood pressure estimation. Medical Engineering and Physics, 2016, 38, 1300-1304.	1.7	5
32	An integrated system to compensate for temperature drift and ageing in non-invasive blood pressure measurement. , 2016, , .		5
33	Reducing the phase cancellation effect in augmented RFID system. International Journal of Parallel, Emergent and Distributed Systems, 2015, 30, 494-514.	1.0	4
34	Complex Event Recognition Notification Methodology for Uncertain IoT Systems Based on Micro-Service Architecture. , 2018, , .		4
35	Performance Analysis of Oscillometric Blood Pressure Estimation Techniques in Cardiac Patients. , 2019, , .		4
36	Monitoring Respiratory Motion during VMAT Treatment Delivery Using Ultra-Wideband Radar. Sensors, 2022, 22, 2287.	3.8	3

#	ARTICLE	IF	CITATIONS
37	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
38	Modified phase-only correlator for pileup correction for gamma-ray spectrometry. , 2013, , .		2
39	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
40	Speaker Differentiation Using a Convolutional Autoencoder. , 2018, , .		2
41	Single Channel Continuous Wave Doppler Radar for Differentiating Types of Human Activity. , 2018, , .		2
42	Identifying High Risk of Atherosclerosis Using Deep Learning and Ensemble Learning. , 2021, , .		1
43	Vessel Identification using Convolutional Neural Network-based Hardware Accelerators. , 2021, , .		1
44	Superabsorbent polymer electrode for transcranial direct current stimulation. , 2013, , .		0
45	Radar-based Noncontact Human Activity Classification Using Genetic Programming. , 2020, , .		0