

Roozbeh Jafari

List of Publications by Year in descending order

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Version: 2024-02-01

196
papers

5,360
citations

172207

29
h-index

143772

57
g-index

197
all docs

197
docs citations

197
times ranked

4729
citing authors

#	ARTICLE	IF	CITATIONS
1	UTD-MHAD: A multimodal dataset for human action recognition utilizing a depth camera and a wearable inertial sensor. , 2015, , .		427
2	Enabling Effective Programming and Flexible Management of Efficient Body Sensor Network Applications. IEEE Transactions on Human-Machine Systems, 2013, 43, 115-133.	2.5	377
3	A survey of depth and inertial sensor fusion for human action recognition. Multimedia Tools and Applications, 2017, 76, 4405-4425.	2.6	261
4	Improving Human Action Recognition Using Fusion of Depth Camera and Inertial Sensors. IEEE Transactions on Human-Machine Systems, 2015, 45, 51-61.	2.5	221
5	A Wearable System for Recognizing American Sign Language in Real-Time Using IMU and Surface EMG Sensors. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1281-1290.	3.9	202
6	Action Recognition from Depth Sequences Using Depth Motion Maps-Based Local Binary Patterns. , 2015, , .		145
7	A Real-Time Human Action Recognition System Using Depth and Inertial Sensor Fusion. IEEE Sensors Journal, 2016, 16, 773-781.	2.4	137
8	Distributed recognition of human actions using wearable motion sensor networks. Journal of Ambient Intelligence and Smart Environments, 2009, 1, 103-115.	0.8	130
9	Fusion of Inertial and Depth Sensor Data for Robust Hand Gesture Recognition. IEEE Sensors Journal, 2014, 14, 1898-1903.	2.4	122
10	BioWatch: A Noninvasive Wrist-Based Blood Pressure Monitor That Incorporates Training Techniques for Posture and Subject Variability. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1291-1300.	3.9	122
11	From Modeling to Implementation of Virtual Sensors in Body Sensor Networks. IEEE Sensors Journal, 2012, 12, 583-593.	2.4	117
12	Noninvasive Cuffless Blood Pressure Estimation Using Pulse Transit Time and Impedance Plethysmography. IEEE Transactions on Biomedical Engineering, 2019, 66, 967-976.	2.5	111
13	A Body Sensor Network With Electromyogram and Inertial Sensors: Multimodal Interpretation of Muscular Activities. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 198-206.	3.6	89
14	CareNet: An Integrated Wireless Sensor Networking Environment for Remote Healthcare. , 2008, , .		88
15	Coordination Analysis of Human Movements With Body Sensor Networks: A Signal Processing Model to Evaluate Baseball Swings. IEEE Sensors Journal, 2011, 11, 603-610.	2.4	86
16	The Swarm at the Edge of the Cloud. IEEE Design and Test, 2014, 31, 8-20.	1.1	83
17	Physical Movement Monitoring Using Body Sensor Networks: A Phonological Approach to Construct Spatial Decision Trees. IEEE Transactions on Industrial Informatics, 2011, 7, 66-77.	7.2	80
18	Continuous cuffless monitoring of arterial blood pressure via graphene bioimpedance tattoos. Nature Nanotechnology, 2022, 17, 864-870.	15.6	79

#	ARTICLE	IF	CITATIONS
19	Cuffless Blood Pressure Monitoring from an Array of Wrist Bio-Impedance Sensors Using Subject-Specific Regression Models: Proof of Concept. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1723-1735.	2.7	77
20	Automatic Identification of Artifact-Related Independent Components for Artifact Removal in EEG Recordings. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 73-81.	3.9	76
21	Power-Aware Activity Monitoring Using Distributed Wearable Sensors. IEEE Transactions on Human-Machine Systems, 2014, 44, 537-544.	2.5	68
22	Inertial Measurement Unit-Based Wearable Computers for Assisted Living Applications: A signal processing perspective. IEEE Signal Processing Magazine, 2016, 33, 28-35.	4.6	65
23	Sport training using body sensor networks: a statistical approach to measure wrist rotation for golf swing. , 2009, , .		64
24	Distributed segmentation and classification of human actions using a wearable motion sensor network. , 2008, , .		57
25	A medication adherence monitoring system for pill bottles based on a wearable inertial sensor. , 2014, 2014, 4983-6.		57
26	Real-time American Sign Language Recognition using wrist-worn motion and surface EMG sensors. , 2015, , .		57
27	Structural Action Recognition in Body Sensor Networks: Distributed Classification Based on String Matching. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 425-435.	3.6	52
28	An Accurate Bioimpedance Measurement System for Blood Pressure Monitoring. Sensors, 2018, 18, 2095.	2.1	51
29	Fusion of depth, skeleton, and inertial data for human action recognition. , 2016, , .		50
30	Particle Filtering and Sensor Fusion for Robust Heart Rate Monitoring Using Wearable Sensors. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1834-1846.	3.9	48
31	Orientation Independent Activity/Gesture Recognition Using Wearable Motion Sensors. IEEE Internet of Things Journal, 2019, 6, 1427-1437.	5.5	48
32	Fusion of Video and Inertial Sensing for Deep Learning-Based Human Action Recognition. Sensors, 2019, 19, 3680.	2.1	46
33	Physical Activity Monitoring for Assisted Living at Home. , 2007, , 213-219.		45
34	Wearable coach for sport training: A quantitative model to evaluate wrist-rotation in golf. Journal of Ambient Intelligence and Smart Environments, 2009, 1, 173-184.	0.8	43
35	Body sensor networks for driver distraction identification. , 2008, , .		40
36	Energy-Efficient Information-Driven Coverage for Physical Movement Monitoring in Body Sensor Networks. IEEE Journal on Selected Areas in Communications, 2009, 27, 58-69.	9.7	40

#	ARTICLE	IF	CITATIONS
37	A Method for Extracting Temporal Parameters Based on Hidden Markov Models in Body Sensor Networks With Inertial Sensors. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 1019-1030.	3.6	39
38	Adaptive and fault tolerant medical vest for life-critical medical monitoring. , 2005, , .		36
39	BioWatch — A wrist watch based signal acquisition system for physiological signals including blood pressure. , 2014, 2014, 2286-9.		36
40	Transferring activity recognition models for new wearable sensors with deep generative domain adaptation. , 2019, , .		35
41	Personalizing Activity Recognition Models Through Quantifying Different Types of Uncertainty Using Wearable Sensors. IEEE Transactions on Biomedical Engineering, 2020, 67, 2530-2541.	2.5	35
42	Cuffless blood pressure monitoring from a wristband with calibration-free algorithms for sensing location based on bio-impedance sensor array and autoencoder. Scientific Reports, 2022, 12, 319.	1.6	35
43	A phonological expression for physical movement monitoring in body sensor networks. , 2008, , .		32
44	Non-Invasive Cardiac and Respiratory Activity Assessment From Various Human Body Locations Using Bioimpedance. IEEE Open Journal of Engineering in Medicine and Biology, 2021, 2, 210-217.	1.7	30
45	Ultra low-power signal processing in wearable monitoring systems. Transactions on Embedded Computing Systems, 2013, 13, 1-23.	2.1	29
46	Home-based Senior Fitness Test measurement system using collaborative inertial and depth sensors. , 2014, 2014, 4135-8.		29
47	Impact of sensor misplacement on dynamic time warping based human activity recognition using wearable computers. , 2012, 2012, .		28
48	Design Principles and Dynamic Front End Reconfiguration for Low Noise EEG Acquisition With Finger Based Dry Electrodes. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 631-640.	2.7	27
49	Collaborative signal processing for action recognition in body sensor networks. , 2010, , .		26
50	Robust heart rate estimation using wrist-based PPG signals in the presence of intense physical activities. , 2015, 2015, 8078-82.		26
51	QUANTIFIED DEEP TENDON REFLEX DEVICE, SECOND GENERATION. Journal of Mechanics in Medicine and Biology, 2008, 08, 75-85.	0.3	25
52	Bio-impedance spectroscopy (BIS) measurement system for wearable devices. , 2017, , .		24
53	A Survey on Smart Homes for Aging in Place: Toward Solutions to the Specific Needs of the Elderly. IEEE Signal Processing Magazine, 2018, 35, 111-119.	4.6	24
54	ImpediBands: Body Coupled Bio-Impedance Patches for Physiological Sensing Proof of Concept. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 757-774.	2.7	23

#	ARTICLE	IF	CITATIONS
55	Multi-HMM classification for hand gesture recognition using two differing modality sensors. , 2014, , .		22
56	Continuous Blood Pressure Monitoring using Wrist-worn Bio-impedance Sensors with Wet Electrodes. , 2018, 2018, .		22
57	Body sensor networks to evaluate standing balance. , 2008, , .		21
58	Distributed Continuous Action Recognition Using a Hidden Markov Model in Body Sensor Networks. Lecture Notes in Computer Science, 2009, , 145-158.	1.0	21
59	Ultra-Low Power Digitally Operated Tunable MEMS Accelerometer. IEEE Sensors Journal, 2016, 16, 8715-8721.	2.4	21
60	Human identification by gait analysis. , 2008, , .		20
61	MotionSynthesis toolset (MoST). , 2014, , .		20
62	A Low Power Wake-Up Circuitry Based on Dynamic Time Warping for Body Sensor Networks. , 2011, , .		19
63	Hierarchical Signal Segmentation and Classification for Accurate Activity Recognition. , 2018, , .		19
64	An Automatic Segmentation Technique in Body Sensor Networks based on Signal Energy. , 2009, , .		19
65	Action coverage formulation for power optimization in body sensor networks. , 2008, , .		18
66	An extended Kalman filter to estimate human gait parameters and walking distance. , 2013, 2013, 752-757.		18
67	Robust Interbeat Interval and Heart Rate Variability Estimation Method From Various Morphological Features Using Wearable Sensors. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2238-2250.	3.9	18
68	Electrical Characterization of Graphene-based e-Tattoos for Bio-Impedance-based Physiological Sensing. , 2019, , .		17
69	Platform Design for Health-Care Monitoring Applications. , 2007, , .		16
70	A Distributed Hidden Markov Model for Fine-grained Annotation in Body Sensor Networks. , 2009, , .		16
71	Context-Aware Data Processing to Enhance Quality of Measurements in Wireless Health Systems: An Application to MET Calculation of Exergaming Actions. IEEE Internet of Things Journal, 2015, 2, 84-93.	5.5	16
72	A novel method for pulse transit time estimation using wrist bio-impedance sensing based on a regression model. , 2017, , .		16

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73	A Hardware-Assisted Energy-Efficient Processing Model for Activity Recognition Using Wearables. ACM Transactions on Design Automation of Electronic Systems, 2016, 21, 1-27.	1.9	15
74	Modeling and detecting student attention and interest level using wearable computers. , 2017, , .		15
75	Brain-Computer Interface Signal Processing Algorithms: A Computational Cost vs. Accuracy Analysis for Wearable Computers. , 2012, , .		14
76	Data-Driven Synchronization for Internet-of-Things Systems. Transactions on Embedded Computing Systems, 2017, 16, 1-24.	2.1	14
77	Data Aggregation in Body Sensor Networks: A Power Optimization Technique for Collaborative Signal Processing. , 2010, , .		13
78	A 16-channel bluetooth enabled wearable EEG platform with dry-contact electrodes for brain computer interface. , 2013, , .		13
79	Low power programmable architecture for periodic activity monitoring. , 2013, , .		13
80	A particle filter framework for the estimation of heart rate from ECG signals corrupted by motion artifacts. , 2015, 2015, 6560-5.		13
81	Colocalized Sensing and Intelligent Computing in Micro-Sensors. Sensors, 2020, 20, 6346.	2.1	13
82	A human-centered wearable sensing platform with intelligent automated data annotation capabilities. , 2019, , .		12
83	Exploiting Pull-In/Pull-Out Hysteresis in Electrostatic MEMS Sensor Networks to Realize a Novel Sensing Continuous-Time Recurrent Neural Network. Micromachines, 2021, 12, 268.	1.4	12
84	Guest Editorial : Special Issue on Internet of Things for Smart and Connected Health. IEEE Internet of Things Journal, 2015, 2, 1-4.	5.5	11
85	Real-time continuous action detection and recognition using depth images and inertial signals. , 2017, , .		11
86	Measurement of Chest Physiological Signals using Wirelessly Coupled Bio-Impedance Patches. , 2019, 2019, 376-381.		11
87	Communication minimization for in-network processing in body sensor networks: A buffer assignment technique. , 2009, , .		10
88	Light-weight single trial EEG signal processing algorithms: Computational profiling for low power design. , 2011, 2011, 4426-30.		10
89	Automatic EEG artifact removal based on ICA and Hierarchical Clustering. , 2012, , .		10
90	MotionSynthesis Toolset (MoST): An Open Source Tool and Data Set for Human Motion Data Synthesis and Validation. IEEE Sensors Journal, 2016, 16, 5365-5375.	2.4	10

#	ARTICLE	IF	CITATIONS
91	Design, Characterization, and Control of a Size Adaptable In-pipe Robot for Water Distribution Systems. , 2021, , .		10
92	Locomotion monitoring using body sensor networks. , 2008, , .		9
93	A Wrist-worn Respiration Monitoring Device using Bio-Impedance. , 2020, 2020, 3989-3993.		9
94	An LQR-assisted control algorithm for an under-actuated in-pipe robot in water distribution systems. , 2021, , .		9
95	A Segmentation Technique Based on Standard Deviation in Body Sensor Networks. , 2007, , .		8
96	A motion sequence fusion technique based on PCA for activity analysis in body sensor networks. , 2009, 2009, 3146-9.		8
97	Burst communication by means of buffer allocation in body sensor networks: Exploiting signal processing to reduce the number of transmissions. IEEE Journal on Selected Areas in Communications, 2010, 28, 1073-1082.	9.7	8
98	An Ultra-Low Power Hardware Accelerator Architecture for Wearable Computers Using Dynamic Time Warping. , 2013, , .		8
99	A novel stimulation for multi-class SSVEP-based brain-computer interface using patterns of time-varying frequencies. , 2014, 2014, 118-21.		8
100	Motion Based Acceleration Correction for Improved Sensor Orientation Estimates. , 2014, , .		8
101	An ECG dataset representing real-world signal characteristics for wearable computers. , 2015, , .		8
102	A Dynamically Reconfigurable ECG Analog Front-End With a 2.5Å— Data-Dependent Power Reduction. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 1066-1078.	2.7	8
103	Pulse Wave Modeling Using Bio-Impedance Simulation Platform Based on a 3D Time-Varying Circuit Model. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 143-158.	2.7	8
104	Modeling human gait using a Kalman filter to measure walking distance. , 2011, , .		7
105	Automatic Segmentation and Recognition in Body Sensor Networks Using a Hidden Markov Model. Transactions on Embedded Computing Systems, 2012, 11, 1-19.	2.1	7
106	Simultaneous classification of motor imagery and SSVEP EEG signals. , 2013, , .		7
107	The impact of vibrotactile biofeedback on the excessive walking sway and the postural control in elderly. , 2013, 2013, .		7
108	A data-driven synchronization technique for cyber-physical systems. , 2015, , .		7

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109	A dynamically reconfigurable ECG analog front-end with a 2.5 Å— data-dependent power reduction. , 2017, , .		7
110	Exploration and validation of alternate sensing methods for wearable continuous pulse transit time measurement using optical and bioimpedance modalities. , 2017, 2017, 2051-2055.		7
111	A Decision Level Fusion and Signal Analysis Technique for Activity Segmentation and Recognition on Smart Phones. , 2018, , .		7
112	An Autoencoder-based Approach for Recognizing Null Class in Activities of Daily Living In-the-wild via Wearable Motion Sensors. , 2019, , .		7
113	Effects of Bio-Impedance Sensor Placement Relative to the Arterial Sites for Capturing Hemodynamic Parameters. , 2019, 2019, 6569-6573.		7
114	Body sensor networks for baseball swing training: Coordination analysis of human movements using motion transcripts. , 2010, , .		6
115	Ultra Low Power Granular Decision Making Using Cross Correlation: Optimizing Bit Resolution for Template Matching. , 2011, , .		6
116	Power-aware action recognition with optimal sensor selection. , 2011, , .		6
117	A Mining Technique Using \$N\$-Grams and Motion Transcripts for Body Sensor Network Data Repository. Proceedings of the IEEE, 2012, 100, 107-121.	16.4	6
118	Reducing the noise level of EEG signal acquisition through reconfiguration of dry contact electrodes. , 2014, , .		6
119	A case study on minimum energy operation for dynamic time warping signal processing in wearable computers. , 2015, , .		6
120	Multi-sensor data-driven. , 2015, , .		6
121	Bio-impedance Simulation Platform using 3D Time-Varying Impedance Grid for Arterial Pulse Wave Modeling. , 2019, , .		6
122	Using Intelligent Personal Annotations to Improve Human Activity Recognition for Movements in Natural Environments. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2639-2650.	3.9	6
123	A resource optimized physical movement monitoring scheme for environmental and on-body sensor networks. , 2007, , .		5
124	Implementation of virtual sensors in body sensor networks with the SPINE framework. , 2009, , .		5
125	Immersive multiplayer tennis with microsoft kinect and body sensor networks. , 2012, , .		5
126	Robust activity recognition using wearable IMU sensors. , 2014, , .		5

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127	Automatic removal of EEG artifacts using electrode-scalp impedance. , 2014, , .		5
128	Demonstration abstract: BioWatch â€” A wrist watch based physiological signal acquisition system. , 2014, , .		5
129	Automatic noise estimation and context-enhanced data fusion of IMU and Kinect for human motion measurement. , 2017, , .		5
130	A Deep Learning Assisted Method for Measuring Uncertainty in Activity Recognition with Wearable Sensors. , 2019, , .		5
131	Facilitating Human Activity Data Annotation via Context-Aware Change Detection on Smartwatches. Transactions on Embedded Computing Systems, 2021, 20, 1-20.	2.1	5
132	Locomotion Monitoring Using Body Sensor Networks. , 2008, , .		4
133	Towards power optimized kalman filter for gait assessment using wearable sensors. , 2010, , .		4
134	Applications of sensing platforms with wearable computers. , 2010, , .		4
135	A wireless communication selection approach to minimize energy-per-bit for wearable computing applications. , 2011, , .		4
136	Rejection of irrelevant human actions in real-time hidden Markov model based recognition systems for wearable computers. , 2011, 2011, .		4
137	Maximizing information transfer rates in an SSVEP-based BCI using individualized Bayesian probability measures. , 2014, 2014, 654-7.		4
138	A tunable digitally operated MEMS accelerometer. , 2015, , .		4
139	Digitally assisted analog front-end power management strategy via dynamic reconfigurability for robust heart rate monitoring. ACM SIGBED Review, 2015, 12, 36-39.	1.8	4
140	Seamless Vision-assisted Placement Calibration for Wearable Inertial Sensors. Transactions on Embedded Computing Systems, 2017, 16, 1-22.	2.1	4
141	Guest Editorial Special Issue on Wearable Sensor-Based Big Data Analysis for Smart Health. IEEE Internet of Things Journal, 2019, 6, 1293-1297.	5.5	4
142	CMAS: Clinical movement assessment system for neuromotor disorders. , 2006, , .		3
143	Power Aware Wireless Data Collection for BSN Data Repositories. , 2011, , .		3
144	An Ultra Low Power Granular Decision Making Using Cross Correlation: Minimizing Signal Segments for Template Matching. , 2011, , .		3

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145	Characterizing contact impedance, signal quality and robustness as a function of the cardinality and arrangement of fingers on dry contact EEG electrodes. , 2014, 2014, 3755-8.		3
146	BCIBench. , 2014, , .		3
147	Exploration of interactions detectable by wearable IMU sensors. , 2015, , .		3
148	Constructing energy expenditure regression model using heart rate with reduced training time. , 2015, 2015, 6566-9.		3
149	Ultra-low power self-computing binary output digital MEMS accelerometer. , 2016, , .		3
150	Wearable Computers for Sign Language Recognition. Scalable Computing and Communications, 2017, , 379-401.	0.5	3
151	A robust user interface for IoT using context-aware Bayesian fusion. , 2018, , .		3
152	Transition-Aware Detection of Modes of Locomotion and Transportation Through Hierarchical Segmentation. IEEE Sensors Journal, 2021, 21, 3301-3313.	2.4	3
153	A Survey of Challenges and Opportunities in Sensing and Analytics for Risk Factors of Cardiovascular Disorders. ACM Transactions on Computing for Healthcare, 2021, 2, 1-42.	3.3	3
154	Signal Classification Using a Mechanically Coupled MEMS Neural Network. , 2021, , .		3
155	Parametric Modeling of Human Wrist for Bioimpedance-Based Physiological Sensing. , 2022, , .		3
156	Body sensor networks and ultra wideband communication. , 2008, , .		2
157	A greedy buffer allocation algorithm for power-aware communication in body sensor networks. , 2010, , .		2
158	Spectral Spatio-Temporal template extraction from EEG signals. , 2010, 2010, 4678-82.		2
159	A mining technique using n-grams and motion transcripts for body sensor network data repository. , 2010, , .		2
160	Lightweight power aware and scalable movement monitoring for wearable computers. , 2011, , .		2
161	Low-voltage low-overhead asynchronous logic. , 2013, , .		2
162	Zero-Effort Camera-Assisted Calibration Techniques for Wearable Motion Sensors. , 2014, 2014, .		2

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163	Demonstration abstract: Upper body motion capture system using inertial sensors. , 2014, , .		2
164	Mining Techniques for Body Sensor Network Data Repository. , 2014, , 383-407.		2
165	Time-varying and simultaneous frequency stimulation for multi-class SSVEP-based brain-computer interface. , 2015, 2015, 1757-60.		2
166	Robust Heart Rate Variability and Interbeat Interval Detection Algorithm in the Presence of Motion Artifacts. , 2019, , .		2
167	Multi-source Multi-frequency Bio-impedance Measurement Method for Localized Pulse Wave Monitoring. , 2020, 2020, 3945-3948.		2
168	Data-driven Context Detection Leveraging Passively Sensed Nearables for Recognizing Complex Activities of Daily Living. ACM Transactions on Computing for Healthcare, 2021, 2, 1-22.	3.3	2
169	Simulation for a Mems-Based CTRNN Ultra-Low Power Implementation of Human Activity Recognition. Frontiers in Digital Health, 2021, 3, 731076.	1.5	2
170	A Meta-Learning Approach for Fast Personalization of Modality Translation Models in Wearable Physiological Sensing. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1516-1527.	3.9	2
171	Developing Personalized Models of Blood Pressure Estimation from Wearable Sensors Data Using Minimally-trained Domain Adversarial Neural Networks. Proceedings of Machine Learning Research, 2020, 126, 97-120.	0.3	2
172	A Non-invasive Radial Arterial Compliance Measuring Method using Bio-Impedance. , 2021, 2021, 2330-2334.		2
173	Low Power Tiered Wake-up Module for Lightweight Embedded Systems Using Cross Correlation. , 2011, , .		1
174	Weighted fusion of depth and inertial data to improve view invariance for real-time human action recognition. , 2017, , .		1
175	Validation of a New Model-Free Signal Processing Method for Gait Feature Extraction Using Inertial Measurement Units to Diagnose and Quantify the Severity of Parkinson's Disease. , 2017, , .		1
176	Design and parametric analysis of a wearable dual-photoplethysmograph based system for pulse wave velocity detection. , 2017, , .		1
177	Guest Editorial Special Issue on Next-Generation Smart Body Sensor Networks: From Autonomic Body Sensors to Cognitive Body Sensor Network Ecosystems. IEEE Sensors Journal, 2019, 19, 8370-8370.	2.4	1
178	Strategic Attention Learning for Modality Translation. , 2020, , .		1
179	The Applied Signal Processing Systems Technical Committee [In the Spotlight]. IEEE Signal Processing Magazine, 2021, 38, 137-139.	4.6	1
180	An efficient placement and routing technique for fault-tolerant distributed embedded computing. Transactions on Embedded Computing Systems, 2009, 8, 1-26.	2.1	0

#	ARTICLE	IF	CITATIONS
181	Introduction to the special section on wireless health systems. Transactions on Embedded Computing Systems, 2013, 12, 1-2.	2.1	0
182	Score-based adaptive training for P300 speller Brain-Computer Interface. , 2013, , .		0
183	SmartHealthSys 2014. , 2014, , .		0
184	Guest Editorial Sensor Informatics for Managing Mental Health. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 975-976.	3.9	0
185	A 3-bit digitally operated MEMS rotational accelerometer. , 2017, , .		0
186	Urban heartbeat: From modelling to applications. , 2017, , .		0
187	Smart Watches for Physiological Monitoring: A Case Study on Blood Pressure Measurement. , 2017, , 231-252.		0
188	Tagging wearable accelerometers in camera frames through information translation between vision sensors and accelerometers. , 2019, , .		0
189	Power-Aware Heart Rate Monitoring using Particle Filters. , 2021, , .		0
190	Reconfigurable Embedded Medical Systems. , 2009, , 228-240.		0
191	Toward power optimization for communication failure recovery in Body Sensor Networks. , 2010, , .		0
192	Lightweight Signal Processing for Wearable Body Sensor Networks. , 2011, , 99-122.		0
193	Power-Aware Communication in Body Area Networks. Rehabilitation Science in Practice Series, 2015, , 203-224.	0.0	0
194	Machine Learning Augmentation in Micro-Sensor Assemblies. , 2020, , .		0
195	A Graph-based Method for Interbeat Interval and Heart Rate Variability Estimation Featuring Multichannel PPG Signals During Intensive Activity. , 2021, , .		0
196	Real-time Signal-to-Noise Ratio Optimization of Bio-Impedance Signal for Cuffless Blood Pressure Monitoring. , 2021, 2021, 7480-7484.		0