

Jianqing Li

List of Publications by Year in descending order

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75
papers

1,082
citations

471477

17
h-index

454934

30
g-index

75
all docs

75
docs citations

75
times ranked

1006
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multistep Paroxysmal Atrial Fibrillation Scanning Strategy in Long-Term ECGs. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	10
2	Robust PVC Identification by Fusing Expert System and Deep Learning. Biosensors, 2022, 12, 185.	4.7	3
3	Entropy Analysis of Heart Rate Variability in Different Sleep Stages. Entropy, 2022, 24, 379.	2.2	7
4	Premature Beats Rejection Strategy on Paroxysmal Atrial Fibrillation Detection. Frontiers in Physiology, 2022, 13, 890139.	2.8	2
5	Non-Contact Electrocardiograms Acquisition Method Based on Capacitive Coupling. IEEE Instrumentation and Measurement Magazine, 2022, 25, 53-61.	1.6	8
6	Design and evaluation of an autonomic nerve monitoring system based on skin sympathetic nerve activity. Biomedical Signal Processing and Control, 2022, 76, 103681.	5.7	13
7	An Artifact-Resistant Feature SKNAER for Quantifying the Burst of Skin Sympathetic Nerve Activity Signal. Biosensors, 2022, 12, 355.	4.7	8
8	Effect of Cotton Fabric Moisture Regain and Thickness on Signal Quality of Noncontact Capacitive Coupling ECG. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	1
9	Wearable Fetal ECG Monitoring System from Abdominal Electrocardiography Recording. Biosensors, 2022, 12, 475.	4.7	11
10	A wearable real-time telemonitoring electrocardiogram device compared with traditional Holter monitoring. Journal of Biomedical Research, 2021, 35, 238.	1.6	3
11	Variations of Time Irreversibility of Heart Rate Variability Under Normobaric Hypoxic Exposure. Frontiers in Physiology, 2021, 12, 607356.	2.8	3
12	Comparison of Machine Learning Algorithms for the Quality Assessment of Wearable ECG Signals Via Lenovo H3 Devices. Journal of Medical and Biological Engineering, 2021, 41, 231-240.	1.8	14
13	Decreased sample entropy during sleep-to-wake transition in sleep apnea patients. Physiological Measurement, 2021, 42, 044001.	2.1	6
14	Influence of Ectopic Beats on Heart Rate Variability Analysis. Entropy, 2021, 23, 648.	2.2	6
15	An integrated framework for evaluation on typical ECG-derived respiration waveform extraction and respiration. Computers in Biology and Medicine, 2021, 135, 104593.	7.0	2
16	Determination of Parameters for an Entropy-Based Atrial Fibrillation Detector. Entropy, 2021, 23, 1199.	2.2	2
17	Over-fitting suppression training strategies for deep learning-based atrial fibrillation detection. Medical and Biological Engineering and Computing, 2021, 59, 165-173.	2.8	32
18	Deep Balanced Learning for Long-tailed Facial Expressions Recognition. , 2021, , .		1

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19	A novel single-lead handheld atrial fibrillation detection system. <i>Physiological Measurement</i> , 2021, 42, 114001.	2.1	2
20	Influence of Finger Movement on the Stability of the Oscillometric Pulse Waveform for Blood Pressure Measurement. , 2021, , .		0
21	Non-contact Capacitive ECG Signal Acquisition Using an Electrode Array. , 2021, , .		3
22	Analysis of Heart Rate Asymmetry During Sleep Stages. <i>Frontiers in Artificial Intelligence and Applications</i> , 2021, , .	0.3	0
23	An Explainable Artificial Intelligence Predictor for Early Detection of Sepsis. <i>Critical Care Medicine</i> , 2020, 48, e1091-e1096.	0.9	49
24	An Open-Access Arrhythmia Database of Wearable Electrocardiogram. <i>Journal of Medical and Biological Engineering</i> , 2020, 40, 564-574.	1.8	8
25	Improving Accuracy of Heart Failure Detection Using Data Refinement. <i>Entropy</i> , 2020, 22, 520.	2.2	4
26	Suppressing the Influence of Ectopic Beats by Applying a Physical Threshold-Based Sample Entropy. <i>Entropy</i> , 2020, 22, 411.	2.2	8
27	LatLRR-FCNs: Latent Low-Rank Representation With Fully Convolutional Networks for Medical Image Fusion. <i>Frontiers in Neuroscience</i> , 2020, 14, 615435.	2.8	7
28	Music Emotions Recognition by Machine Learning With Cognitive Classification Methodologies. , 2020, , 1028-1041.		0
29	Multi-label Feature Selection for Long-term Electrocardiogram Signals. , 2020, , .		2
30	A Bayesian Fusion Model for Heart Rate Annotations. , 2020, , .		1
31	An Octave Convolution Neural Network-based QRS Detector. , 2020, , .		2
32	A Portable NeuECG Monitoring System for Cardiac Sympathetic Nerve Activity Assessment. , 2020, , .		0
33	A New Physically Meaningful Threshold of Sample Entropy for Detecting Cardiovascular Diseases. <i>Entropy</i> , 2019, 21, 830.	2.2	8
34	Continuous-Valued Annotations Aggregation for Heart Rate Detection. <i>IEEE Access</i> , 2019, 7, 37664-37671.	4.2	6
35	Noise Rejection for Wearable ECGs Using Modified Frequency Slice Wavelet Transform and Convolutional Neural Networks. <i>IEEE Access</i> , 2019, 7, 34060-34067.	4.2	53
36	Effects of Inferior Myocardial Infarction Sizes and Sites on Simulated Electrocardiograms Based on a Torso-Heart Model. <i>IEEE Access</i> , 2019, 7, 35470-35479.	4.2	1

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37	Electrocardiogram of a Silver Nanowire Based Dry Electrode: Quantitative Comparison With the Standard Ag/AgCl Gel Electrode. IEEE Access, 2019, 7, 20789-20800.	4.2	25
38	Multi-classification of cardiac diseases utilizing wavelet thresholding and support vector machine. AIP Conference Proceedings, 2019, , .	0.4	6
39	Local Deep Field for Electrocardiogram Beat Classification. IEEE Sensors Journal, 2018, 18, 1656-1664.	4.7	28
40	A New Entropy-Based Atrial Fibrillation Detection Method for Scanning Wearable ECG Recordings. Entropy, 2018, 20, 904.	2.2	30
41	Performance Analysis of Ten Common QRS Detectors on Different ECG Application Cases. Journal of Healthcare Engineering, 2018, 2018, 1-8.	1.9	73
42	A Digital Compressed Sensing-Based Energy-Efficient Single-Spot Bluetooth ECG Node. Journal of Healthcare Engineering, 2018, 2018, 1-11.	1.9	13
43	Combining Convolutional Neural Network and Distance Distribution Matrix for Identification of Congestive Heart Failure. IEEE Access, 2018, 6, 39734-39744.	4.2	37
44	Dynamic ECG Signal Quality Evaluation Based on the Generalized bSQI Index. IEEE Access, 2018, 6, 41892-41902.	4.2	19
45	Design of a smart ECG garment based on conductive textile electrode and flexible printed circuit board. Technology and Health Care, 2017, 25, 815-821.	1.2	8
46	Combining Low-dimensional Wavelet Features and Support Vector Machine for Arrhythmia Beat Classification. Scientific Reports, 2017, 7, 6067.	3.3	67
47	Fault Prediction Based on the Kernel Function for Ribbon Wireless Sensor Networks. Wireless Personal Communications, 2017, 97, 3277-3292.	2.7	9
48	Music emotions recognition by cognitive classification methodologies. , 2017, , .		9
49	A modified frequency slice wavelet transform for physiological signal time-frequency analysis. , 2017, , .		3
50	Design and experimental verification of a recording scheme for body surface potential mapping. , 2017, , .		1
51	Set-Based Discriminative Measure for Electrocardiogram Beat Classification. Sensors, 2017, 17, 234.	3.8	11
52	Patient-Specific Deep Architectural Model for ECG Classification. Journal of Healthcare Engineering, 2017, 2017, 1-13.	1.9	71
53	An Adaptive and Time-Efficient ECG R-Peak Detection Algorithm. Journal of Healthcare Engineering, 2017, 2017, 1-14.	1.9	65
54	Music Emotions Recognition by Machine Learning With Cognitive Classification Methodologies. International Journal of Cognitive Informatics and Natural Intelligence, 2017, 11, 80-92.	0.4	5

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55	A Smart Gateway Architecture for Improving Efficiency of Home Network Applications. Journal of Sensors, 2016, 2016, 1-10.	1.1	19
56	Cable Crosstalk Suppression with Two-Wire Voltage Feedback Method for Resistive Sensor Array. Sensors, 2016, 16, 253.	3.8	17
57	A Novel Two-Wire Fast Readout Approach for Suppressing Cable Crosstalk in a Tactile Resistive Sensor Array. Sensors, 2016, 16, 720.	3.8	15
58	Dimensional music emotion recognition by valence-arousal regression. , 2016, , .		9
59	Effectiveness of Multi-Parameter Compound Tactons for Navigating in a Virtual Urban Environment. Interacting With Computers, 2016, , .	1.5	1
60	Approximate Model of Zero Potential Circuits for the 2-D Networked Resistive Sensor Array. IEEE Sensors Journal, 2016, 16, 3084-3090.	4.7	15
61	Design and Evaluation of a Thermal Tactile Display for Colour Rendering. International Journal of Advanced Robotic Systems, 2015, 12, 162.	2.1	5
62	General Voltage Feedback Circuit Model in the Two-Dimensional Networked Resistive Sensor Array. Journal of Sensors, 2015, 2015, 1-8.	1.1	7
63	Design and Crosstalk Error Analysis of the Circuit for the 2-D Networked Resistive Sensor Array. IEEE Sensors Journal, 2015, 15, 1020-1026.	4.7	47
64	FALL DETECTION USING THREE WEARABLE TRIAXIAL ACCELEROMETERS AND A DECISION-TREE CLASSIFIER. Biomedical Engineering - Applications, Basis and Communications, 2014, 26, 1450059.	0.6	4
65	Texture Feature Extraction Method for Ground Nephogram Based on Hilbert Spectrum of Bidimensional Empirical Mode Decomposition. Journal of Atmospheric and Oceanic Technology, 2014, 31, 1982-1994.	1.3	2
66	A Novel Crosstalk Suppression Method of the 2-D Networked Resistive Sensor Array. Sensors, 2014, 14, 12816-12827.	3.8	26
67	Information-enhanced sparse binary matrix in compressed sensing for ECG. Electronics Letters, 2014, 50, 1271-1273.	1.0	13
68	A Dynamic Compression Scheme for Energy-Efficient Real-Time Wireless Electrocardiogram Biosensors. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2160-2169.	4.7	42
69	A Novel Texture Sensor for Fabric Texture Measurement and Classification. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 1739-1747.	4.7	89
70	Principle and realization of an automatic measurement apparatus of deformation angle of blast furnace tuyere. , 2013, , .		0
71	FEM simulation and experimental analysis of a thermal tactile slip device. , 2013, , .		0
72	Hardware design of a body sensor network system used for elder care. , 2013, , .		4

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73	Compressed sensing for wireless pulse wave signal acquisition. , 2013, , .		1
74	The design of mono frequency modulator for passive hydrogen maser control. , 2012, , .		0
75	FDTD Modeling of Au/Ag Nanoparticles Incorporated Au/Ag Photonic Crystal for Seeking the Maximal Localized Electric Field. Advanced Theory and Simulations, 0, , 2200014.	2.8	0