

# Jianqing Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3579464/publications.pdf>

Version: 2024-02-01

75  
papers

1,082  
citations

535685

17  
h-index

511568

30  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1106  
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.	2.4	10
2	Robust PVC Identification by Fusing Expert System and Deep Learning. Biosensors, 2022, 12, 185.	2.3	3
3	Entropy Analysis of Heart Rate Variability in Different Sleep Stages. Entropy, 2022, 24, 379.	1.1	7
4	Premature Beats Rejection Strategy on Paroxysmal Atrial Fibrillation Detection. Frontiers in Physiology, 2022, 13, 890139.	1.3	2
5	Non-Contact Electrocardiograms Acquisition Method Based on Capacitive Coupling. IEEE Instrumentation and Measurement Magazine, 2022, 25, 53-61.	1.2	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.	3.5	13
7	An Artifact-Resistant Feature SKNAER for Quantifying the Burst of Skin Sympathetic Nerve Activity Signal. Biosensors, 2022, 12, 355.	2.3	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.	2.4	1
9	Wearable Fetal ECG Monitoring System from Abdominal Electrocardiography Recording. Biosensors, 2022, 12, 475.	2.3	11
10	A wearable real-time telemonitoring electrocardiogram device compared with traditional Holter monitoring. Journal of Biomedical Research, 2021, 35, 238.	0.7	3
11	Variations of Time Irreversibility of Heart Rate Variability Under Normobaric Hypoxic Exposure. Frontiers in Physiology, 2021, 12, 607356.	1.3	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.	1.0	14
13	Decreased sample entropy during sleep-to-wake transition in sleep apnea patients. Physiological Measurement, 2021, 42, 044001.	1.2	6
14	Influence of Ectopic Beats on Heart Rate Variability Analysis. Entropy, 2021, 23, 648.	1.1	6
15	An integrated framework for evaluation on typical ECG-derived respiration waveform extraction and respiration. Computers in Biology and Medicine, 2021, 135, 104593.	3.9	2
16	Determination of Parameters for an Entropy-Based Atrial Fibrillation Detector. Entropy, 2021, 23, 1199.	1.1	2
17	Over-fitting suppression training strategies for deep learning-based atrial fibrillation detection. Medical and Biological Engineering and Computing, 2021, 59, 165-173.	1.6	32
18	Deep Balanced Learning for Long-tailed Facial Expressions Recognition. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	A novel single-lead handheld atrial fibrillation detection system. <i>Physiological Measurement</i> , 2021, 42, 114001.	1.2	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.	0.4	49
24	An Open-Access Arrhythmia Database of Wearable Electrocardiogram. <i>Journal of Medical and Biological Engineering</i> , 2020, 40, 564-574.	1.0	8
25	Improving Accuracy of Heart Failure Detection Using Data Refinement. <i>Entropy</i> , 2020, 22, 520.	1.1	4
26	Suppressing the Influence of Ectopic Beats by Applying a Physical Threshold-Based Sample Entropy. <i>Entropy</i> , 2020, 22, 411.	1.1	8
27	LatLRR-FCNs: Latent Low-Rank Representation With Fully Convolutional Networks for Medical Image Fusion. <i>Frontiers in Neuroscience</i> , 2020, 14, 615435.	1.4	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.	1.1	8
34	Continuous-Valued Annotations Aggregation for Heart Rate Detection. <i>IEEE Access</i> , 2019, 7, 37664-37671.	2.6	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.	2.6	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.	2.6	1

#	ARTICLE	IF	CITATIONS
37	Electrocardiogram of a Silver Nanowire Based Dry Electrode: Quantitative Comparison With the Standard Ag/AgCl Gel Electrode. <i>IEEE Access</i> , 2019, 7, 20789-20800.	2.6	25
38	Multi-classification of cardiac diseases utilizing wavelet thresholding and support vector machine. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	6
39	Local Deep Field for Electrocardiogram Beat Classification. <i>IEEE Sensors Journal</i> , 2018, 18, 1656-1664.	2.4	28
40	A New Entropy-Based Atrial Fibrillation Detection Method for Scanning Wearable ECG Recordings. <i>Entropy</i> , 2018, 20, 904.	1.1	30
41	Performance Analysis of Ten Common QRS Detectors on Different ECG Application Cases. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-8.	1.1	73
42	A Digital Compressed Sensing-Based Energy-Efficient Single-Spot Bluetooth ECG Node. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-11.	1.1	13
43	Combining Convolutional Neural Network and Distance Distribution Matrix for Identification of Congestive Heart Failure. <i>IEEE Access</i> , 2018, 6, 39734-39744.	2.6	37
44	Dynamic ECG Signal Quality Evaluation Based on the Generalized bSQI Index. <i>IEEE Access</i> , 2018, 6, 41892-41902.	2.6	19
45	Design of a smart ECG garment based on conductive textile electrode and flexible printed circuit board. <i>Technology and Health Care</i> , 2017, 25, 815-821.	0.5	8
46	Combining Low-dimensional Wavelet Features and Support Vector Machine for Arrhythmia Beat Classification. <i>Scientific Reports</i> , 2017, 7, 6067.	1.6	67
47	Fault Prediction Based on the Kernel Function for Ribbon Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2017, 97, 3277-3292.	1.8	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. <i>Sensors</i> , 2017, 17, 234.	2.1	11
52	Patient-Specific Deep Architectural Model for ECG Classification. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-13.	1.1	71
53	An Adaptive and Time-Efficient ECG R-Peak Detection Algorithm. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-14.	1.1	65
54	Music Emotions Recognition by Machine Learning With Cognitive Classification Methodologies. <i>International Journal of Cognitive Informatics and Natural Intelligence</i> , 2017, 11, 80-92.	0.4	5

#	ARTICLE	IF	CITATIONS
55	A Smart Gateway Architecture for Improving Efficiency of Home Network Applications. Journal of Sensors, 2016, 2016, 1-10.	0.6	19
56	Cable Crosstalk Suppression with Two-Wire Voltage Feedback Method for Resistive Sensor Array. Sensors, 2016, 16, 253.	2.1	17
57	A Novel Two-Wire Fast Readout Approach for Suppressing Cable Crosstalk in a Tactile Resistive Sensor Array. Sensors, 2016, 16, 720.	2.1	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, , .	1.0	1
60	Approximate Model of Zero Potential Circuits for the 2-D Networked Resistive Sensor Array. IEEE Sensors Journal, 2016, 16, 3084-3090.	2.4	15
61	Design and Evaluation of a Thermal Tactile Display for Colour Rendering. International Journal of Advanced Robotic Systems, 2015, 12, 162.	1.3	5
62	General Voltage Feedback Circuit Model in the Two-Dimensional Networked Resistive Sensor Array. Journal of Sensors, 2015, 2015, 1-8.	0.6	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.	2.4	47
64	FALL DETECTION USING THREE WEARABLE TRIAXIAL ACCELEROMETERS AND A DECISION-TREE CLASSIFIER. Biomedical Engineering - Applications, Basis and Communications, 2014, 26, 1450059.	0.3	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.	0.5	2
66	A Novel Crosstalk Suppression Method of the 2-D Networked Resistive Sensor Array. Sensors, 2014, 14, 12816-12827.	2.1	26
67	Information-enhanced sparse binary matrix in compressed sensing for ECG. Electronics Letters, 2014, 50, 1271-1273.	0.5	13
68	A Dynamic Compression Scheme for Energy-Efficient Real-Time Wireless Electrocardiogram Biosensors. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2160-2169.	2.4	42
69	A Novel Texture Sensor for Fabric Texture Measurement and Classification. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 1739-1747.	2.4	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

#	ARTICLE	IF	CITATIONS
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.	1.3	0