

TÃ,nia Pereira

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,136
citations

567144

15
h-index

434063

31
g-index

66
all docs

66
docs citations

66
times ranked

1910
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Methods for Pulse Wave Velocity Measurement. Journal of Medical and Biological Engineering, 2015, 35, 555-565.	1.0	207
2	Photoplethysmography based atrial fibrillation detection: a review. Npj Digital Medicine, 2020, 3, 3.	5.7	155
3	The population genomics of archaeological transition in west Iberia: Investigation of ancient substructure using imputation and haplotype-based methods. PLoS Genetics, 2017, 13, e1006852.	1.5	122
4	Heart rate variability metrics for fine-grained stress level assessment. Computer Methods and Programs in Biomedicine, 2017, 148, 71-80.	2.6	95
5	A Supervised Approach to Robust Photoplethysmography Quality Assessment. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 649-657.	3.9	51
6	The Role of Liquid Biopsy in Early Diagnosis of Lung Cancer. Frontiers in Oncology, 2021, 11, 634316.	1.3	50
7	Identifying relationships between imaging phenotypes and lung cancer-related mutation status: EGFR and KRAS. Scientific Reports, 2020, 10, 3625.	1.6	41
8	Supervised learning methods for pathological arterial pulse wave differentiation: A SVM and neural networks approach. International Journal of Medical Informatics, 2018, 109, 30-38.	1.6	31
9	Deep learning approaches for plethysmography signal quality assessment in the presence of atrial fibrillation. Physiological Measurement, 2019, 40, 125002.	1.2	28
10	EGFR Assessment in Lung Cancer CT Images: Analysis of Local and Holistic Regions of Interest Using Deep Unsupervised Transfer Learning. IEEE Access, 2021, 9, 58667-58676.	2.6	24
11	Piezoelectric probe for pressure waveform estimation in flexible tubes and its application to the cardiovascular system. Sensors and Actuators A: Physical, 2011, 169, 217-226.	2.0	21
12	Machine Learning and Feature Selection Methods for EGFR Mutation Status Prediction in Lung Cancer. Applied Sciences (Switzerland), 2021, 11, 3273.	1.3	21
13	Quantitative Operating Principles of Yeast Metabolism during Adaptation to Heat Stress. Cell Reports, 2018, 22, 2421-2430.	2.9	19
14	Towards Machine Learning-Aided Lung Cancer Clinical Routines: Approaches and Open Challenges. Journal of Personalized Medicine, 2022, 12, 480.	1.1	19
15	An automatic method for arterial pulse waveform recognition using KNN and SVM classifiers. Medical and Biological Engineering and Computing, 2016, 54, 1049-1059.	1.6	18
16	The effect of water and sodium hypochlorite disinfection on alginate impressions. Revista Portuguesa De Estomatologia, Medicina Dentaria E Cirurgia Maxilofacial, 2013, 54, 8-12.	0.1	16
17	Characterization of a double probe for local pulse wave velocity assessment. Physiological Measurement, 2010, 31, 1449-1465.	1.2	15
18	Machine Learning Techniques for Arterial Pressure Waveform Analysis. Journal of Personalized Medicine, 2013, 3, 82-101.	1.1	15

#	ARTICLE	IF	CITATIONS
19	Explainability Metrics of Deep Convolutional Networks for Photoplethysmography Quality Assessment. IEEE Access, 2021, 9, 29736-29745.	2.6	15
20	Comprehensive Perspective for Lung Cancer Characterisation Based on AI Solutions Using CT Images. Journal of Clinical Medicine, 2021, 10, 118.	1.0	14
21	Characterization of Optical System for Hemodynamic Multi-Parameter Assessment. Cardiovascular Engineering and Technology, 2013, 4, 87-97.	0.7	11
22	Which wavelength is the best for arterial pulse waveform extraction using laser speckle imaging?. Biomedical Signal Processing and Control, 2016, 25, 188-195.	3.5	11
23	Lung Segmentation in CT Images: A Residual U-Net Approach on a Cross-Cohort Dataset. Applied Sciences (Switzerland), 2022, 12, 1959.	1.3	11
24	Pulse pressure waveform estimation using distension profiling with contactless optical probe. Medical Engineering and Physics, 2014, 36, 1515-1520.	0.8	10
25	Pre-Training Autoencoder for Lung Nodule Malignancy Assessment Using CT Images. Applied Sciences (Switzerland), 2020, 10, 7837.	1.3	10
26	Empirical mode decomposition for self-mixing Doppler signals of hemodynamic optical probes. Physiological Measurement, 2013, 34, 377-390.	1.2	8
27	Non-invasive imaging techniques and assessment of carotid vasa vasorum neovascularization: Promises and pitfalls. Trends in Cardiovascular Medicine, 2019, 29, 71-80.	2.3	8
28	Sharing Biomedical Data: Strengthening AI Development in Healthcare. Healthcare (Switzerland), 2021, 9, 827.	1.0	8
29	Cardiovascular risk analysis by means of pulse morphology and clustering methodologies. Computer Methods and Programs in Biomedicine, 2014, 117, 257-266.	2.6	7
30	Signal Analysis in a New Optical Pulse Waveform Profiler for Cardiovascular Applications. , 2011, , .		7
31	An Interpretable Approach for Lung Cancer Prediction and Subtype Classification using Gene Expression. , 2021, 2021, 1707-1710.		7
32	Learning Models for Traumatic Brain Injury Mortality Prediction on Pediatric Electronic Health Records. Frontiers in Neurology, 0, 13, .	1.1	6
33	Visible and infrared optical probes for hemodynamic parameters assessment. , 2011, , .		5
34	Robust Assessment of Photoplethysmogram Signal Quality in the Presence of Atrial Fibrillation. , 0, , .		5
35	Comparison of Low-Cost and Noninvasive Optical Sensors for Cardiovascular Monitoring. IEEE Sensors Journal, 2013, 13, 1434-1441.	2.4	4
36	Correlation study between blood pressure and pulse transit time. , 2015, , .		4

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37	Multiple instance learning for lung pathophysiological findings detection using CT scans. Medical and Biological Engineering and Computing, 2022, 60, 1569-1584.	1.6	4
38	A Statistical Comparative Study of Photoplethysmographic Signals in Wrist-Worn and Fingertip Pulse-Oximetry Devices. , 0, , .		3
39	Arterial pulse pressure waveform monitoring by novel optical probe. International Journal of Cardiology, 2015, 179, 95-96.	0.8	2
40	Normal range and lateral symmetry in the skin temperature profile of pregnant women. Infrared Physics and Technology, 2016, 78, 84-91.	1.3	2
41	Automatic Methods for Carotid Contrast-Enhanced Ultrasound Imaging Quantification of Adventitial Vasa Vasorum. Ultrasound in Medicine and Biology, 2018, 44, 2780-2792.	0.7	2
42	Ensemble Strategies for EGFR Mutation Status Prediction in Lung Cancer. , 2021, 2021, 3285-3288.		2
43	Validation of a waveform delineator device for cardiac studies: Repeatability and data mining analysis. , 2012, , .		1
44	Submicron Surface Vibration Profiling Using Doppler Self-Mixing Techniques. Advances in Optics, 2014, 2014, 1-7.	0.3	1
45	P2.11 ASSESSMENT OF CAROTID DISTENTION WAVEFORM AND LOCAL PULSE WAVE VELOCITY DETERMINATION BY A NOVEL OPTICAL SYSTEM. Artery Research, 2014, 8, 135.	0.3	1
46	Validation of a low intrusiveness heart rate sensor for stress assessment. Biomedical Physics and Engineering Express, 2017, 3, 017004.	0.6	1
47	The Influence of a Coherent Annotation and Synthetic Addition of Lung Nodules for Lung Segmentation in CT Scans. Sensors, 2022, 22, 3443.	2.1	1
48	A cardiac signal monitoring and processing system. , 2011, , .		0
49	New instrumentation for cardiovascular risk assessment: The role of pulse wave velocity. , 2011, , .		0
50	New optical probe approach using mixing effect in planar photodiode for biomedical applications. , 2013, , .		0
51	Use of laser speckle and entropy computation to segment images of diffuse objects with longitudinal motion. , 2014, , .		0
52	Pine Decay Assessment by Means of Electrical Impedance Spectroscopy. Communications in Computer and Information Science, 2014, , 54-73.	0.4	0
53	P8.4 NON-INVASIVE ASSESSMENT OF LOCAL PULSE WAVE VELOCITY USING ELECTROMECHANICAL SENSORS: FEASIBILITY STUDY IN A HEALTHY POPULATION. Artery Research, 2014, 8, 152.	0.3	0
54	THE ROLE OF RADIOGENOMICS IN EGFR AND KRAS MUTATION STATUS PREDICTION AMONG NON-SMALL CELL LUNG CANCER PATIENTS. Chest, 2020, 157, A16.	0.4	0

#	ARTICLE	IF	CITATIONS
55	Reproducibility of Pulse Wave Analysis and Pulse Wave Velocity in Healthy Subjects. , 2014, , .		0
56	Clinical Test for Validation of a New Optical Probe for Hemodynamic Parameters Assessment. Communications in Computer and Information Science, 2014, , 269-283.	0.4	0
57	Stacking Approach for Lung Cancer EGFR Mutation Status Prediction from CT Scans. , 2021, , .		0
58	Differential Gene Expression Analysis of the Most Relevant Genes for Lung Cancer Prediction and Sub-type Classification. Lecture Notes in Computer Science, 2022, , 182-191.	1.0	0