

# Rossana Castaldo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9165033/publications.pdf>

Version: 2024-02-01

33  
papers

1,225  
citations

516215

16  
h-index

414034

32  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1521  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute mental stress assessment via short term HRV analysis in healthy adults: A systematic review with meta-analysis. Biomedical Signal Processing and Control, 2015, 18, 370-377.	3.5	340
2	Ultra-short term HRV features as surrogates of short term HRV: a case study on mental stress detection in real life. BMC Medical Informatics and Decision Making, 2019, 19, 12.	1.5	133
3	On the use of approximate entropy and sample entropy with centre of pressure time-series. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 116.	2.4	103
4	Wearable Inertial Sensors for Fall Risk Assessment and Prediction in Older Adults: A Systematic Review and Meta-Analysis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 573-582.	2.7	79
5	Are ultra-short heart rate variability features good surrogates of short-term ones? State-of-the-art review and recommendations. Healthcare Technology Letters, 2018, 5, 94-100.	1.9	79
6	A machine learning model for supporting symptom-based referral and diagnosis of bronchitis and pneumonia in limited resource settings. Biocybernetics and Biomedical Engineering, 2021, 41, 1288-1302.	3.3	57
7	Detection of mental stress due to oral academic examination via ultra-short-term HRV analysis. , 2016, 2016, 3805-3808.		51
8	The Impact of Normalization Approaches to Automatically Detect Radiogenomic Phenotypes Characterizing Breast Cancer Receptors Status. Cancers, 2020, 12, 518.	1.7	38
9	Is robotic right colectomy economically sustainable? a multicentre retrospective comparative study and cost analysis. Surgical Endoscopy and Other Interventional Techniques, 2020, 34, 4041-4047.	1.3	35
10	Wearable technology and ECG processing for fall risk assessment, prevention and detection. , 2015, 2015, 7740-3.		30
11	HEALTH TECHNOLOGY ASSESSMENT METHODS GUIDELINES FOR MEDICAL DEVICES: HOW CAN WE ADDRESS THE GAPS? THE INTERNATIONAL FEDERATION OF MEDICAL AND BIOLOGICAL ENGINEERING PERSPECTIVE. International Journal of Technology Assessment in Health Care, 2018, 34, 276-289.	0.2	28
12	Fall Prediction in Hypertensive Patients via Short-Term HRV Analysis. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 399-406.	3.9	26
13	Integrated analysis of DNA methylation profile of HLA-G gene and imaging in coronary heart disease: Pilot study. PLoS ONE, 2020, 15, e0236951.	1.1	26
14	Radiomic and Genomic Machine Learning Method Performance for Prostate Cancer Diagnosis: Systematic Literature Review. Journal of Medical Internet Research, 2021, 23, e22394.	2.1	26
15	Day-to-day variations in sleep quality affect standing balance in healthy adults. Scientific Reports, 2018, 8, 17504.	1.6	25
16	Time adaptive ECG driven cardiovascular disease detector. Biomedical Signal Processing and Control, 2021, 70, 102968.	3.5	24
17	A framework for designing medical devices resilient to low-resource settings. Globalization and Health, 2021, 17, 64.	2.4	22
18	The use of artificial intelligence systems in diagnosis of pneumonia via signs and symptoms: A systematic review. Biomedical Signal Processing and Control, 2022, 72, 103325.	3.5	19

#	ARTICLE	IF	CITATIONS
19	MuSA: a graphical user interface for multi-OMICs data integration in radiogenomic studies. Scientific Reports, 2021, 11, 1550.	1.6	13
20	To What Extent Can We Shorten HRV Analysis in Wearable Sensing? A Case Study on Mental Stress Detection.. IFMBE Proceedings, 2018, , 643-646.	0.2	13
21	A Complex Radiomic Signature in Luminal Breast Cancer from a Weighted Statistical Framework: A Pilot Study. Diagnostics, 2022, 12, 499.	1.3	11
22	Heart Rate Variability Analysis and Performance during a Repeated Mental Workload Task. IFMBE Proceedings, 2018, , 69-72.	0.2	8
23	Detection of melatonin-onset in real settings via wearable sensors and artificial intelligence. A pilot study. Biomedical Signal Processing and Control, 2021, 65, 102386.	3.5	6
24	An Integrative Computational Approach Based on Expression Similarity Signatures to Identify Protein-Protein Interaction Networks in Female-Specific Cancers. Frontiers in Genetics, 2020, 11, 612521.	1.1	5
25	Blood-Gas Modelling for Artificially Ventilated Patients Using Interval Type-2 Fuzzy Logic System. IFMBE Proceedings, 2016, , 994-999.	0.2	3
26	STEMI-PCI incidence rates and outcomes during COVID-19 pandemic: insights from Cardarelli Hospital, Naples, Southern Italy. European Journal of Preventive Cardiology, 2022, 29, e216-e219.	0.8	3
27	Acute Mental Stress Assessment via Short Term HRV Analysis in Healthy Adults: A Systematic Review. IFMBE Proceedings, 2015, , 1-4.	0.2	2
28	Impact of Breast Tumor Onset on Blood Count, Carcinoembryonic Antigen, Cancer Antigen 15-3 and Lymphoid Subpopulations Supported by Automatic Classification Approach: A Pilot Study. Cancer Control, 2021, 28, 107327482110486.	0.7	2
29	Preliminary Results from a Proof of Concept Study for Fall Detection via ECG Morphology. IFMBE Proceedings, 2016, , 205-208.	0.2	1
30	Early stage healthcare technology assessment. , 2020, , 799-806.		1
31	Day-to-day variation in sleep quality and static balance: results from an exploratory study. IFMBE Proceedings, 2018, , 611-614.	0.2	1
32	Investigating the Use of Wearables for Monitoring Circadian Rhythms: A Feasibility Study. IFMBE Proceedings, 2020, , 275-280.	0.2	1
33	Promises and Challenges in the Use of Wearable Sensors and Nonlinear Signal Analysis for Balance and Fall Risk Assessment in Older Adults. IFMBE Proceedings, 2020, , 288-295.	0.2	0