

# Rossana Castaldo

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36  
papers

626  
citations

13  
h-index

24  
g-index

38  
ext. papers

932  
ext. citations

2.9  
avg, IF

4.37  
L-index

#	Paper	IF	Citations
36	The use of artificial intelligence systems in diagnosis of pneumonia via signs and symptoms: A systematic review. <i>Biomedical Signal Processing and Control</i> , <b>2022</b> , 72, 103325	4.9	3
35	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. <i>Cancer Control</i> , <b>2021</b> , 28, 10732748211048612	2.2	1
34	Radiomic and Genomic Machine Learning Method Performance for Prostate Cancer Diagnosis: Systematic Literature Review. <i>Journal of Medical Internet Research</i> , <b>2021</b> , 23, e22394	7.6	7
33	A framework for designing medical devices resilient to low-resource settings. <i>Globalization and Health</i> , <b>2021</b> , 17, 64	10	5
32	STEMI-PCI incidence rates and outcomes during COVID-19 pandemic: insights from Cardarelli Hospital, Naples, Southern Italy. <i>European Journal of Preventive Cardiology</i> , <b>2021</b> ,	3.9	1
31	Detection of melatonin-onset in real settings via wearable sensors and artificial intelligence. A pilot study. <i>Biomedical Signal Processing and Control</i> , <b>2021</b> , 65, 102386	4.9	2
30	Time adaptive ECG driven cardiovascular disease detector. <i>Biomedical Signal Processing and Control</i> , <b>2021</b> , 70, 102968	4.9	3
29	A machine learning model for supporting symptom-based referral and diagnosis of bronchitis and pneumonia in limited resource settings. <i>Biocybernetics and Biomedical Engineering</i> , <b>2021</b> , 41, 1288-1302	5.7	14
28	MuSA: a graphical user interface for multi-OMICs data integration in radiogenomic studies. <i>Scientific Reports</i> , <b>2021</b> , 11, 1550	4.9	4
27	The Impact of Normalization Approaches to Automatically Detect Radiogenomic Phenotypes Characterizing Breast Cancer Receptors Status. <i>Cancers</i> , <b>2020</b> , 12,	6.6	11
26	Promises and Challenges in the Use of Wearable Sensors and Nonlinear Signal Analysis for Balance and Fall Risk Assessment in Older Adults. <i>IFMBE Proceedings</i> , <b>2020</b> , 288-295	0.2	
25	Investigating the Use of Wearables for Monitoring Circadian Rhythms: A Feasibility Study. <i>IFMBE Proceedings</i> , <b>2020</b> , 275-280	0.2	1
24	Early stage healthcare technology assessment <b>2020</b> , 799-806		1
23	An Integrative Computational Approach Based on Expression Similarity Signatures to Identify Protein-Protein Interaction Networks in Female-Specific Cancers. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 612521	4.5	2
22	Integrated analysis of DNA methylation profile of HLA-G gene and imaging in coronary heart disease: Pilot study. <i>PLoS ONE</i> , <b>2020</b> , 15, e0236951	3.7	16
21	Is robotic right colectomy economically sustainable? a multicentre retrospective comparative study and cost analysis. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2020</b> , 34, 4041-4047	5.2	14
20	Ultra-short term HRV features as surrogates of short term HRV: a case study on mental stress detection in real life. <i>BMC Medical Informatics and Decision Making</i> , <b>2019</b> , 19, 12	3.6	54

19	Ultra-Short Entropy for Mental Stress Detection. <i>IFMBE Proceedings</i> , <b>2019</b> , 287-291	0.2	0
18	Selection of Entropy-Measure Parameters for Force Plate-Based Human Balance Evaluation. <i>IFMBE Proceedings</i> , <b>2019</b> , 315-319	0.2	3
17	Estimation of the Heart Rate Variability Features via Recurrent Neural Networks. <i>IFMBE Proceedings</i> , <b>2019</b> , 335-340	0.2	0
16	Wearable Inertial Sensors for Fall Risk Assessment and Prediction in Older Adults: A Systematic Review and Meta-Analysis. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2018</b> , 26, 573-582	4.8	46
15	Are ultra-short heart rate variability features good surrogates of short-term ones? State-of-the-art review and recommendations. <i>Healthcare Technology Letters</i> , <b>2018</b> , 5, 94-100	1.9	47
14	To What Extent Can We Shorten HRV Analysis in Wearable Sensing? A Case Study on Mental Stress Detection.. <i>IFMBE Proceedings</i> , <b>2018</b> , 643-646	0.2	9
13	Heart Rate Variability Analysis and Performance during a Repeated Mental Workload Task. <i>IFMBE Proceedings</i> , <b>2018</b> , 69-72	0.2	6
12	Day-to-day variation in sleep quality and static balance: results from an exploratory study. <i>IFMBE Proceedings</i> , <b>2018</b> , 611-614	0.2	
11	On the use of approximate entropy and sample entropy with centre of pressure time-series. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2018</b> , 15, 116	5.3	52
10	Day-to-day variations in sleep quality affect standing balance in healthy adults. <i>Scientific Reports</i> , <b>2018</b> , 8, 17504	4.9	15
9	HEALTH TECHNOLOGY ASSESSMENT METHODS GUIDELINES FOR MEDICAL DEVICES: HOW CAN WE ADDRESS THE GAPS? THE INTERNATIONAL FEDERATION OF MEDICAL AND BIOLOGICAL ENGINEERING PERSPECTIVE. <i>International Journal of Technology Assessment in Health Care</i> , <b>2018</b> , 34, 276-289	1.8	17
8	Fall Prediction in Hypertensive Patients via Short-Term HRV Analysis. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2017</b> , 21, 399-406	7.2	20
7	Detection of mental stress due to oral academic examination via ultra-short-term HRV analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2016</b> , 2016, 3805-3808	0.9	28
6	Blood-Gas Modelling for Artificially Ventilated Patients Using Interval Type-2 Fuzzy Logic System. <i>IFMBE Proceedings</i> , <b>2016</b> , 994-999	0.2	1
5	Preliminary Results from a Proof of Concept Study for Fall Detection via ECG Morphology. <i>IFMBE Proceedings</i> , <b>2016</b> , 205-208	0.2	1
4	Acute mental stress assessment via short term HRV analysis in healthy adults: A systematic review with meta-analysis. <i>Biomedical Signal Processing and Control</i> , <b>2015</b> , 18, 370-377	4.9	215
3	Acute Mental Stress Detection via Ultra-short term HRV Analysis. <i>IFMBE Proceedings</i> , <b>2015</b> , 1068-1071	0.2	4
2	Acute Mental Stress Assessment via Short Term HRV Analysis in Healthy Adults: A Systematic Review. <i>IFMBE Proceedings</i> , <b>2015</b> , 1-4	0.2	1

- 1 Wearable technology and ECG processing for fall risk assessment, prevention and detection. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2015*, 2015, 7740-3 0.9 22