Giovanni Bortolan

List of Publications by Year
in descending order

28	1,825	623188	525886
papers	citations	14 h-index	27 g-index

29	29	29	1163
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review of some methods for ranking fuzzy subsets. Fuzzy Sets and Systems, 1985, 15, 1-19.	1.6	830
2	The problem of linguistic approximation in clinical decision making. International Journal of Approximate Reasoning, 1988, 2, 143-162.	1.9	275
3	Prevalence of chronic diseases in older Italians: comparing self- reported and clinical diagnoses. The Italian Longitudinal Study on Aging Working Group. International Journal of Epidemiology, 1997, 26, 995-1002.	0.9	180
4	Premature ventricular contraction classification by theKth nearest-neighbours rule. Physiological Measurement, 2005, 26, 123-130.	1.2	87
5	Assessment and comparison of different methods for heartbeat classification. Medical Engineering and Physics, 2008, 30, 248-257.	0.8	73
6	Ranking of pattern recognition parameters for premature ventricular contractions classification by neural networks. Physiological Measurement, 2004, 25, 1281-1290.	1.2	57
7	Possibilities of using neural networks for ECG classification. Journal of Electrocardiology, 1996, 29, 10-16.	0.4	49
8	Some properties of defuzzification neural networks. Fuzzy Sets and Systems, 1994, 61, 83-89.	1.6	32
9	Noise processing in exercise ECG stress test for the analysis and the clinical characterization of QRS and T wave alternans. Biomedical Signal Processing and Control, 2015, 18, 378-385.	3.5	28
10	Fuzzy numbers in computerized electrocardiography. Fuzzy Sets and Systems, 1987, 24, 345-362.	1.6	22
11	A bimolecular mechanism for the cell size control of the cell cycle. BioSystems, 1983, 16, 297-305.	0.9	18
12	An interactive framework for an analysis of ECG signals. Artificial Intelligence in Medicine, 2002, 24, 109-132.	3.8	18
13	Reconstruction problem and information granularity. IEEE Transactions on Fuzzy Systems, 1997, 5, 234-248.	6.5	17
14	Classification of electrocardiographic signals: a fuzzy pattern matching approach. Artificial Intelligence in Medicine, 1991, 3, 211-226.	3.8	16
15	Fuzzy pattern classification and the connectionist approach. Pattern Recognition Letters, 1996, 17, 661-670.	2.6	14
16	Fuzzy descriptive models: an interactive framework of information granulation [ECG data]. IEEE Transactions on Fuzzy Systems, 2002, 10, 743-755.	6.5	14
17	Most probable dimension value and most flat interval methods for automatic estimation of dimension from time series. Chaos, Solitons and Fractals, 2004, 20, 779-790.	2.5	14
18	Linguistic neurocomputing: the design of neural networks in the framework of fuzzy sets. Fuzzy Sets and Systems, 2002, 128, 389-412.	1.6	13

#	Article	IF	Citations
19	QT dispersion in the elderly. The ILSA Study. Aging Clinical and Experimental Research, 2004, 16, 342-348.	1.4	13
20	Fuzzy decision-making in electrocardiography. Artificial Intelligence in Medicine, 1989, 1, 87-91.	3.8	12
21	Hyperbox classifiers for arrhythmia classification. Kybernetes, 2007, 36, 531-547.	1.2	10
22	A Review on Electrocardiographic Changes in Diabetic Patients. Current Diabetes Reviews, 2015, 11, 102-106.	0.6	9
23	Potential of Rule-Based Methods and Deep Learning Architectures for ECG Diagnostics. Diagnostics, 2021, 11, 1678.	1.3	8
24	T-wave alternans detection by a combined method of principal component analysis and T-wave amplitude. Physiological Measurement, 2012, 33, 333-343.	1.2	5
25	Fuzzy clustering preprocessor in neural classifiers. Kybernetes, 1998, 27, 900-918.	1.2	4
26	ECG attenuation phenomenon with advancing age. Journal of Electrocardiology, 2018, 51, 1029-1034.	0.4	4
27	Multi-type Arrhythmia Classification: Assessment of the Potential of Time and Frequency Domain Features and Different Classifiers. International Journal Bioautomation, 2020, 24, 153-172.	0.1	3
28	Granular Computing in Medical Informatics. , 0, , 847-862.		0