

# Peyman Tavallali

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Artificial Intelligence Estimation of Carotid-Femoral Pulse Wave Velocity using Carotid Waveform. Scientific Reports, 2018, 8, 1014.	3.3	46
2	Applying Satellite Observations of Tropical Cyclone Internal Structures to Rapid Intensification Forecast With Machine Learning. Geophysical Research Letters, 2020, 47, e2020GL089102.	4.0	40
3	Noninvasive iPhone Measurement of Left Ventricular Ejection Fraction Using Intrinsic Frequency Methodology*. Critical Care Medicine, 2017, 45, 1115-1120.	0.9	39
4	Intrinsic frequency for a systems approach to haemodynamic waveform analysis with clinical applications. Journal of the Royal Society Interface, 2014, 11, 20140617.	3.4	32
5	Convergence of a data-driven time-frequency analysis method. Applied and Computational Harmonic Analysis, 2014, 37, 235-270.	2.2	27
6	K-means tree: an optimal clustering tree for unsupervised learning. Journal of Supercomputing, 2021, 77, 5239-5266.	3.6	22
7	On the convergence and accuracy of the cardiovascular intrinsic frequency method. Royal Society Open Science, 2015, 2, 150475.	2.4	20
8	Accuracy of a Novel Handheld Wireless Platform for Detection of Cardiac Dysfunction in Anthracycline-Exposed Survivors of Childhood Cancer. Clinical Cancer Research, 2018, 24, 3119-3125.	7.0	20
9	Extraction of Intrawave Signals Using the Sparse Time-Frequency Representation Method. Multiscale Modeling and Simulation, 2014, 12, 1458-1493.	1.6	16
10	Intrinsic Frequency and the Single Wave Biopsy. Journal of Diabetes Science and Technology, 2015, 9, 1246-1252.	2.2	11
11	A non-linear data mining parameter selection algorithm for continuous variables. PLoS ONE, 2017, 12, e0187676.	2.5	8
12	Optimization of Hierarchical Regression Model with Application to Optimizing Multi-Response Regression K-ary Trees. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5133-5142.	4.9	2
13	An EM-based optimization of synthetic reduced nearest neighbor model towards multiple modalities representation with human interpretability. Multimedia Tools and Applications, 2022, 81, 41697-41710.	3.9	2
14	Intrinsic Frequency Analysis and Fast Algorithms. Scientific Reports, 2018, 8, 4858.	3.3	1