Yang Yao

List of Publications by Year
in descending order

25	214	1305906 8	1181555 14
papers	citations	h-index	g-index

25	25	25	285
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review on low-dimensional physics-based models of systemic arteries: application to estimation of central aortic pressure. BioMedical Engineering OnLine, 2019, 18, 41.	1.3	31
2	Unobtrusive Estimation of Cardiovascular Parameters with Limb Ballistocardiography. Sensors, 2019, 19, 2922.	2.1	25
3	A new mathematical model of wrist pulse waveforms characterizes patients with cardiovascular disease â€“ A pilot study. Medical Engineering and Physics, 2017, 48, 142-149.	0.8	22
4	Diastolic Augmentation Index Improves Radial Augmentation Index in Assessing Arterial Stiffness. Scientific Reports, 2017, 7, 5864.	1.6	19
5	Quantitative Comparison of the Performance of Piezoresistive, Piezoelectric, Acceleration, and Optical Pulse Wave Sensors. Frontiers in Physiology, 2019, 10, 1563.	1.3	16
6	Mitigation of Instrument-Dependent Variability in Ballistocardiogram Morphology: Case Study on Force Plate and Customized Weighing Scale. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 69-78.	3.9	12
7	FPGA-based design and implementation of arterial pulse wave generator using piecewise Gaussianâ€“cosine fitting. Computers in Biology and Medicine, 2015, 59, 142-151.	3.9	11
8	Effect of short-term exercise intervention on cardiovascular functions and quality of life of chronic heart failure patients: A meta-analysis. Journal of Exercise Science and Fitness, 2016, 14, 67-75.	0.8	11
9	Validation of an Adaptive Transfer Function Method to Estimate the Aortic Pressure Waveform. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1599-1606.	3.9	11
10	Design and implementation of a pulse wave generator based on Windkessel model using field programmable gate array technology. Biomedical Signal Processing and Control, 2017, 36, 93-101.	3.5	9
11	Effects of different durations of aerobic exercise on the cardiovascular health in untrained women: a meta-analysis and meta-regression. Journal of Sports Medicine and Physical Fitness, 2018, 58, 1525-1536.	0.4	8
12	Estimation of central pulse wave velocity from radial pulse wave analysis. Computer Methods and Programs in Biomedicine, 2022, 219, 106781.	2.6	7
13	Morphology variability of radial pulse wave during exercise. Bio-Medical Materials and Engineering, 2014, 24, 3605-3611.	0.4	6
14	Novel Multichannel Entropy Features and Machine Learning for Early Assessment of Pregnancy Progression Using Electrohysterography. IEEE Transactions on Biomedical Engineering, 2022, 69, 3728-3738.	2.5	6
15	The Noninvasive Measurement of Central Aortic Blood Pressure Waveform. , 0, , .		4
16	Improving the accuracy and robustness of carotid-femoral pulse wave velocity measurement using a simplified tube-load model. Scientific Reports, 2022, 12, 5147.	1.6	4
17	Acute effects of incremental exercise on central hemodynamics in young basketball athletes. , 2017, 2017, 1356-1359.		3
18	Estimation of aortic pulse wave velocity based on waveform decomposition of central aortic pressure waveform. Physiological Measurement, 2021, 42, .	1.2	3

#	ARTICLE	IF	CITATIONS
19	Photoplethysmographic assessment of arterial stiffness and endothelial function. , 2022, , 235-276.		2
20	Simultaneous adaption of the gain and phase of a generalized transfer function for aortic pressure waveform estimation. Computers in Biology and Medicine, 2022, 141, 105187.	3.9	2
21	Influence of Electrode Configuration on Muscle-Fiber-Conduction-Velocity Estimation Using Surface Electromyography. IEEE Transactions on Biomedical Engineering, 2022, 69, 2414-2422.	2.5	1
22	Comparison of Regression Analysis and Transfer Function in Estimating the Parameters of Central Pulse Waves from Brachial Pulse Wave. Studies in Health Technology and Informatics, 2017, 245, 573-577.	0.2	1
23	Estimation of carotid artery pressure waveform by transfer function and radial pressure waveform. , 2014, , .		0
24	Regression analysis and transfer function in estimating the parameters of central pulse waves from brachial pulse wave. , 2017, 2017, 1708-1711.		0
25	Determination of aortic pulse transit time based on waveform decomposition of radial pressure wave. Scientific Reports, 2021, 11, 20154.	1.6	0