

Marie Willemet

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

526
citations

933447

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h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	A benchmark study of numerical schemes for one-dimensional arterial blood flow modelling. International Journal for Numerical Methods in Biomedical Engineering, 2015, 31, e02732.	2.1	144
2	A database of virtual healthy subjects to assess the accuracy of foot-to-foot pulse wave velocities for estimation of aortic stiffness. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H663-H675.	3.2	85
3	A numerical hemodynamic tool for predictive vascular surgery. Medical Engineering and Physics, 2009, 31, 131-144.	1.7	57
4	Arterial Pressure and Flow Wave Analysis Using Time-Domain 1-D Hemodynamics. Annals of Biomedical Engineering, 2015, 43, 190-206.	2.5	53
5	Reducing the number of parameters in 1D arterial blood flow modeling: less is more for patient-specific simulations. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H222-H234.	3.2	48
6	Identifying Hemodynamic Determinants of Pulse Pressure. Hypertension, 2017, 70, 1176-1182.	2.7	40
7	Validation of a 1D patient-specific model of the arterial hemodynamics in bypassed lower-limbs: Simulations against in vivo measurements. Medical Engineering and Physics, 2013, 35, 1573-1583.	1.7	29
8	Inlet boundary conditions for blood flow simulations in truncated arterial networks. Journal of Biomechanics, 2011, 44, 897-903.	2.1	26
9	Computational assessment of hemodynamics-based diagnostic tools using a database of virtual subjects: Application to three case studies. Journal of Biomechanics, 2016, 49, 3908-3914.	2.1	21
10	Robust and practical non-invasive estimation of local arterial wave speed and mean blood velocity waveforms. Physiological Measurement, 2017, 38, 2081-2099.	2.1	14
11	Central and peripheral pulse wave velocities are associated with ankle-brachial pressure index. Artery Research, 2012, 6, 28.	0.6	8
12	Use of wave intensity analysis during peripheral revascularisation: Lessons from cases study. Artery Research, 2013, 7, 93.	0.6	1
13	P32 DETERMINING CARDIAC AND ARTERIAL CONTRIBUTIONS TO CENTRAL PULSE PRESSURE. Artery Research, 2018, 24, 88.	0.6	0