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List of Publications by Year in descending order

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papers

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235
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive Assessment of the Fractional Flow Reserve with the CT FFRc 1D Method: Final Results of a Pilot Study. <i>Global Heart</i> , 2021, 16, 1.	2.3	5
2	Non-invasive fractional flow reserve: a comparison of one-dimensional and three-dimensional mathematical modeling effectiveness. <i>Cardiovascular Therapy and Prevention (Russian Federation)</i> , 2020, 19, 2303.	1.4	3
3	Non-invasive coronary CT angiography-derived fractional flow reserve: A benchmark study comparing the diagnostic performance of four different computational methodologies. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2019, 35, e3235.	2.1	35
4	Open-Source Multiparametric Optocardiography. <i>Scientific Reports</i> , 2019, 9, 721.	3.3	19
5	Numerical assessment of coaptation for auto-pericardium based aortic valve cusps. <i>Russian Journal of Numerical Analysis and Mathematical Modelling</i> , 2019, 34, 277-287.	0.6	2
6	RHYTHM: An Open Source Imaging Toolkit for Cardiac Panoramic Optical Mapping. <i>Scientific Reports</i> , 2018, 8, 2921.	3.3	58
7	One-Dimensional Mathematical Model-Based Automated Assessment of Fractional Flow Reserve in a Patient with Silent Myocardial Ischemia. <i>American Journal of Case Reports</i> , 2018, 19, 724-728.	0.8	5
8	Multiscale CT-Based Computational Modeling of Alveolar Gas Exchange during Artificial Lung Ventilation, Cluster (Biot) and Periodic (Cheyne-Stokes) Breathings and Bronchial Asthma Attack. <i>Computation</i> , 2017, 5, 11.	2.0	9
9	Image Segmentation for Cardiovascular Biomedical Applications at Different Scales. <i>Computation</i> , 2016, 4, 35.	2.0	8
10	Patient-specific blood flow modelling for medical applications. <i>MATEC Web of Conferences</i> , 2016, 76, 05001.	0.2	4
11	MODELLING OF PATIENT-SPECIFIC CASES OF ATHEROSCLEROSIS IN CAROTID ARTERIES. , 2016, , .		1
12	IMAGE SEGMENTATION TECHNIQUES FOR BIOMEDICAL MODELING: ELECTROPHYSIOLOGY AND HEMODYNAMICS. , 2016, , .		0
13	Virtual fractional flow reserve assessment in patient-specific coronary networks by 1D hemodynamic model. <i>Russian Journal of Numerical Analysis and Mathematical Modelling</i> , 2015, 30, .	0.6	19
14	Patient-specific anatomical models in human physiology. <i>Russian Journal of Numerical Analysis and Mathematical Modelling</i> , 2015, 30, .	0.6	15