Roman A Pryamonosov

List of Publications by Year
in descending order

14	183	1307594 7	1199594 12
papers	citations	h-index	g-index

14	14	14	235
all docs	docs citations	times ranked	citing authors

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