

Marco Fedele

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

372
citations

1040056

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h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

288
citing authors

#	ARTICLE	IF	CITATIONS
1	The Impact of Left Atrium Appendage Morphology on Stroke Risk Assessment in Atrial Fibrillation: A Computational Fluid Dynamics Study. <i>Frontiers in Physiology</i> , 2018, 9, 1938.	2.8	71
2	Modeling cardiac muscle fibers in ventricular and atrial electrophysiology simulations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 373, 113468.	6.6	58
3	A patient-specific aortic valve model based on moving resistive immersed implicit surfaces. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017, 16, 1779-1803.	2.8	41
4	A cardiac electromechanical model coupled with a lumped-parameter model for closed-loop blood circulation. <i>Journal of Computational Physics</i> , 2022, 457, 111083.	3.8	41
5	Polygonal surface processing and mesh generation tools for the numerical simulation of the cardiac function. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2021, 37, e3435.	2.1	40
6	An image-based computational hemodynamics study of the Systolic Anterior Motion of the mitral valve. <i>Computers in Biology and Medicine</i> , 2020, 123, 103922.	7.0	26
7	Electromechanical modeling of human ventricles with ischemic cardiomyopathy: numerical simulations in sinus rhythm and under arrhythmia. <i>Computers in Biology and Medicine</i> , 2021, 136, 104674.	7.0	26
8	A computational model applied to myocardial perfusion in the human heart: From large coronaries to microvasculature. <i>Journal of Computational Physics</i> , 2021, 424, 109836.	3.8	23
9	A geometric multiscale model for the numerical simulation of blood flow in the human left heart. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2022, 15, 2391.	1.1	22
10	Image-Based Computational Hemodynamics Analysis of Systolic Obstruction in Hypertrophic Cardiomyopathy. <i>Frontiers in Physiology</i> , 2021, 12, 787082.	2.8	12
11	Fractional flow reserve based on computed tomography: an overview. <i>European Heart Journal Supplements</i> , 2016, 18, E49-E56.	0.1	8
12	Semi-automatic three-dimensional vessel segmentation using a connected component localization of the Region-Scalable Fitting Energy. , 2015, , .		4
13	B-PO05-007 RAPID AND ROBUST MAPPING OF CLINICAL DATA ON PERSONALIZED VOLUMETRIC ATRIAL GEOMETRIES. <i>Heart Rhythm</i> , 2021, 18, S374.	0.7	0