

Selene Pirola

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9273119/publications.pdf>

Version: 2024-02-01

23
papers

513
citations

932766

10
h-index

794141

19
g-index

23
all docs

23
docs citations

23
times ranked

576
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometry and flow in ascending aortic aneurysms are influenced by left ventricular outflow tract orientation: Detecting increased wall shear stress on the outer curve of proximal aortic aneurysms. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2023, 166, 11-21.e1.	0.4	6
2	Evaluation and verification of patient-specific modelling of type B aortic dissection. <i>Computers in Biology and Medicine</i> , 2022, 140, 105053.	3.9	14
3	Evaluation of Computational Methodologies for Accurate Prediction of Wall Shear Stress and Turbulence Parameters in a Patient-Specific Aorta. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 836611.	2.0	10
4	Risk prediction for thoracic aortic dissection: is it time to go with the flow?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, , .	0.4	1
5	The influence of inlet velocity profile on predicted flow in type B aortic dissection. <i>Biomechanics and Modeling in Mechanobiology</i> , 2021, 20, 481-490.	1.4	40
6	Analysis of Turbulence Effects in a Patient-Specific Aorta with Aortic Valve Stenosis. <i>Cardiovascular Engineering and Technology</i> , 2021, 12, 438-453.	0.7	29
7	Effect of Vessel Tortuosity on Stress Concentration at the Distal Stent-Vessel Interface: Possible Link With New Entry Formation Through Biomechanical Simulation. <i>Journal of Biomechanical Engineering</i> , 2021, 143, .	0.6	6
8	Relevance of Machine Learning to Cardiovascular Imaging. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2021, , 78-99.	0.3	0
9	Qualitative and Quantitative Assessments of Blood Flow on Tears in Type B Aortic Dissection With Different Morphologies. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 742985.	2.0	6
10	High Wall Shear Stress can Predict Wall Degradation in Ascending Aortic Aneurysms: An Integrated Biomechanics Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 750656.	2.0	28
11	Phase-contrast magnetic resonance imaging and computational fluid dynamics assessment of thoracic aorta blood flow: a literature review. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 438-446.	0.6	5
12	Dissection Level Within Aortic Wall Layers is Associated with Propagation of Type B Aortic Dissection: A Swine Model Study. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019, 58, 415-425.	0.8	9
13	Evaluation of 4D flow MRI-based non-invasive pressure assessment in aortic coarctations. <i>Journal of Biomechanics</i> , 2019, 94, 13-21.	0.9	35
14	4-D Flow MRI-Based Computational Analysis of Blood Flow in Patient-Specific Aortic Dissection. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 3411-3419.	2.5	48
15	Hemodynamic evaluation using four-dimensional flow magnetic resonance imaging for a patient with multichanneled aortic dissection. <i>Journal of Vascular Surgery Cases and Innovative Techniques</i> , 2018, 4, 67-71.	0.3	7
16	Computational study of aortic hemodynamics for patients with an abnormal aortic valve: The importance of secondary flow at the ascending aorta inlet. <i>APL Bioengineering</i> , 2018, 2, 026101.	3.3	44
17	High Wall Stress May Predict the Formation of Stent-Graft-Induced New Entries After Thoracic Endovascular Aortic Repair. <i>Journal of Endovascular Therapy</i> , 2018, 25, 571-577.	0.8	23
18	On the choice of outlet boundary conditions for patient-specific analysis of aortic flow using computational fluid dynamics. <i>Journal of Biomechanics</i> , 2017, 60, 15-21.	0.9	116

#	ARTICLE	IF	CITATIONS
19	Towards the improved quantification of in vivo abnormal wall shear stresses in BAV-affected patients from 4D-flow imaging: Benchmarking and application to real data. Journal of Biomechanics, 2017, 50, 93-101.	0.9	32
20	4D Flow Analysis of BAV-Related Fluid-Dynamic Alterations: Evidences of Wall Shear Stress Alterations in Absence of Clinically-Relevant Aortic Anatomical Remodeling. Frontiers in Physiology, 2017, 8, 441.	1.3	54
21	Phase contrast MRI: Development of a user-friendly platform for fast-automated segmentation and fluid-dynamic post-processing. , 2015, , .		0
22	Modeling and Implementing a Signal Persistence Manager for Shared Biosignal Storage and Processing. IFMBE Proceedings, 2014, , 1338-1341.	0.2	0
23	Aortic Flow and Morphology Adaptation to Deconditioning after 21:Days of Head:Down Bed:Rest Assessed by Phase Contrast MRI. , 0, , .		0