Samuel VoÃ

List of Publications by Year
in descending order

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Version: 2024-02-01

20 papers	332 citations	1040056 9 h-index	888059 17 g-index
20 all docs	20 docs citations	20 times ranked	356 citing authors

#	Article	IF	Citations
1	CFD simulations of inhalation through a subject-specific human larynx â€“ Impact of the unilateral vocal fold immobility. Computers in Biology and Medicine, 2022, 143, 105243.	7.0	7
2	Towards Deep Learning-based Wall Shear Stress Prediction for Intracranial Aneurysms. Informatik Aktuell, 2021, , 105-110.	0.6	0
3	Complex wall modeling for hemodynamic simulations of intracranial aneurysms based on histologic images. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 597-607.	2.8	6
4	VICTORIA: VIrtual neck Curve and True Ostium Reconstruction of Intracranial Aneurysms. Cardiovascular Engineering and Technology, 2021, 12, 454-465.	1.6	2
5	Biomechanical Influences on Mesh-Related Complications in Incisional Hernia Repair. Frontiers in Surgery, 2021, 8, 763957.	1.4	9
6	Multimodal validation of focal enhancement in intracranial aneurysms as a surrogate marker for aneurysm instability. Neuroradiology, 2020, 62, 1627-1635.	2.2	35
7	Flow-splitting-based computation of outlet boundary conditions for improved cerebrovascular simulation in multiple intracranial aneurysms. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1805-1813.	2.8	18
8	Stent-induced vessel deformation after intracranial aneurysm treatment â€“ A hemodynamic pilot study. Computers in Biology and Medicine, 2019, 111, 103338.	7.0	20
9	Multiple Aneurysms AnaTomy CHallenge 2018 (MATCH)â€”Phase Ib: Effect of morphology on hemodynamics. PLoS ONE, 2019, 14, e0216813.	2.5	23
10	Multiple Aneurysms AnaTomy CHallenge 2018 (MATCH)â€”phase II: rupture risk assessment. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1795-1804.	2.8	29
11	A review on the reliability of hemodynamic modeling in intracranial aneurysms: why computational fluid dynamics alone cannot solve the equation. Neurosurgical Focus, 2019, 47, E15.	2.3	60
12	Exploration of blood flow patterns in cerebral aneurysms during the cardiac cycle. Computers and Graphics, 2018, 72, 12-25.	2.5	11
13	Fluid-structure interaction in intracranial vessel walls: The role of patient-specific wall thickness. Current Directions in Biomedical Engineering, 2018, 4, 587-590.	0.4	2
14	Multiple Aneurysms AnaTomy CHallenge 2018 (MATCH): Phase I: Segmentation. Cardiovascular Engineering and Technology, 2018, 9, 565-581.	1.6	59
15	Impact of Gradual Vascular Deformations on the Intra-aneurysmal Hemodynamics. Informatik Aktuell, 2018, , 359-364.	0.6	0
16	Virtual Inflation of the Cerebral Artery Wall for the Integrated Exploration of OCT and Histology Data. Computer Graphics Forum, 2017, 36, 57-68.	3.0	7
17	Variability of intra-aneurysmal hemodynamics caused by stent-induced vessel deformation. Current Directions in Biomedical Engineering, 2017, 3, 305-308.	0.4	3
18	Comparison of pressure reconstruction approaches based on measured and simulated velocity fields. Current Directions in Biomedical Engineering, 2017, 3, 309-312.	0.4	0

#	Article	IF	Citations
19	From imaging to hemodynamics â€“ how reconstruction kernels influence the blood flow predictions in intracranial aneurysms. Current Directions in Biomedical Engineering, 2016, 2, 679-683.	0.4	2
20	Fluid-Structure Simulations of a Ruptured Intracranial Aneurysm: Constant versus Patient-Specific Wall Thickness. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-8.	1.3	39