

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	A review on the reliability of hemodynamic modeling in intracranial aneurysms: why computational fluid dynamics alone cannot solve the equation. <i>Neurosurgical Focus</i> , 2019, 47, E15.	2.3	60
2	Multiple Aneurysms AnaTomy CHallenge 2018 (MATCH): Phase I: Segmentation. <i>Cardiovascular Engineering and Technology</i> , 2018, 9, 565-581.	1.6	59
3	Fluid-Structure Simulations of a Ruptured Intracranial Aneurysm: Constant versus Patient-Specific Wall Thickness. <i>Computational and Mathematical Methods in Medicine</i> , 2016, 2016, 1-8.	1.3	39
4	Multimodal validation of focal enhancement in intracranial aneurysms as a surrogate marker for aneurysm instability. <i>Neuroradiology</i> , 2020, 62, 1627-1635.	2.2	35
5	Multiple Aneurysms AnaTomy CHallenge 2018 (MATCH)â€”phase II: rupture risk assessment. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 1795-1804.	2.8	29
6	Multiple Aneurysms AnaTomy CHallenge 2018 (MATCH)â€”Phase Ib: Effect of morphology on hemodynamics. <i>PLoS ONE</i> , 2019, 14, e0216813.	2.5	23
7	Stent-induced vessel deformation after intracranial aneurysm treatment â€” A hemodynamic pilot study. <i>Computers in Biology and Medicine</i> , 2019, 111, 103338.	7.0	20
8	Flow-splitting-based computation of outlet boundary conditions for improved cerebrovascular simulation in multiple intracranial aneurysms. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 1805-1813.	2.8	18
9	Exploration of blood flow patterns in cerebral aneurysms during the cardiac cycle. <i>Computers and Graphics</i> , 2018, 72, 12-25.	2.5	11
10	Biomechanical Influences on Mesh-Related Complications in Incisional Hernia Repair. <i>Frontiers in Surgery</i> , 2021, 8, 763957.	1.4	9
11	Virtual Inflation of the Cerebral Artery Wall for the Integrated Exploration of OCT and Histology Data. <i>Computer Graphics Forum</i> , 2017, 36, 57-68.	3.0	7
12	CFD simulations of inhalation through a subject-specific human larynx â€” Impact of the unilateral vocal fold immobility. <i>Computers in Biology and Medicine</i> , 2022, 143, 105243.	7.0	7
13	Complex wall modeling for hemodynamic simulations of intracranial aneurysms based on histologic images. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 597-607.	2.8	6
14	Variability of intra-aneurysmal hemodynamics caused by stent-induced vessel deformation. <i>Current Directions in Biomedical Engineering</i> , 2017, 3, 305-308.	0.4	3
15	From imaging to hemodynamics â€” how reconstruction kernels influence the blood flow predictions in intracranial aneurysms. <i>Current Directions in Biomedical Engineering</i> , 2016, 2, 679-683.	0.4	2
16	Fluid-structure interaction in intracranial vessel walls: The role of patient-specific wall thickness. <i>Current Directions in Biomedical Engineering</i> , 2018, 4, 587-590.	0.4	2
17	VICTORIA: Virtual neck Curve and True Ostium Reconstruction of Intracranial Aneurysms. <i>Cardiovascular Engineering and Technology</i> , 2021, 12, 454-465.	1.6	2
18	Comparison of pressure reconstruction approaches based on measured and simulated velocity fields. <i>Current Directions in Biomedical Engineering</i> , 2017, 3, 309-312.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Towards Deep Learning-based Wall Shear Stress Prediction for Intracranial Aneurysms. Informatik Aktuell, 2021, , 105-110.	0.6	0
20	Impact of Gradual Vascular Deformations on the Intra-aneurysmal Hemodynamics. Informatik Aktuell, 2018, , 359-364.	0.6	0