

Oliver Beuing

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

654
citations

567281

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713466

21
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docs citations

23
times ranked

705
citing authors

#	ARTICLE	IF	CITATIONS
1	Cerebral Blood Flow in a Healthy Circle of Willis and Two Intracranial Aneurysms: Computational Fluid Dynamics Versus Four-Dimensional Phase-Contrast Magnetic Resonance Imaging. <i>Journal of Biomechanical Engineering</i> , 2014, 136, .	1.3	95
2	The Computational Fluid Dynamics Rupture Challenge 2013â€”Phase II: Variability of Hemodynamic Simulations in Two Intracranial Aneurysms. <i>Journal of Biomechanical Engineering</i> , 2015, 137, 121008.	1.3	74
3	Impact of Stents and Flow Diverters on Hemodynamics in Idealized Aneurysm Models. <i>Journal of Biomechanical Engineering</i> , 2011, 133, 071005.	1.3	65
4	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
5	Multiple Aneurysms AnaTomy CHallenge 2018 (MATCH): Phase I: Segmentation. <i>Cardiovascular Engineering and Technology</i> , 2018, 9, 565-581.	1.6	59
6	An automatic CFD-based flow diverter optimization principle for patient-specific intracranial aneurysms. <i>Journal of Biomechanics</i> , 2015, 48, 3846-3852.	2.1	39
7	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
8	Automatic Detection and Visualization of Qualitative Hemodynamic Characteristics in Cerebral Aneurysms. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2012, 18, 2178-2187.	4.4	25
9	Recommendations for accurate numerical blood flow simulations of stented intracranial aneurysms. <i>Biomedizinische Technik</i> , 2013, 58, 303-14.	0.8	24
10	Beam Hardening Correction Using Cone Beam Consistency Conditions. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 2266-2277.	8.9	24
11	Clinical and experimental evidence suggest a link between KIF7 and C5orf42-related ciliopathies through Sonic Hedgehog signaling. <i>European Journal of Human Genetics</i> , 2018, 26, 197-209.	2.8	23
12	Multiple Aneurysms AnaTomy CHallenge 2018 (MATCH)â€”Phase Ib: Effect of morphology on hemodynamics. <i>PLoS ONE</i> , 2019, 14, e0216813.	2.5	23
13	Semiautomatic neck curve reconstruction for intracranial aneurysm rupture risk assessment based on morphological parameters. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 1781-1793.	2.8	22
14	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
15	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
16	Endovascular Treatment of Acute Ischemic Stroke With the Penumbra System in Routine Practice: COMPLETE Registry Results. <i>Stroke</i> , 2022, 53, 769-778.	2.0	13
17	MedmeshCNN - Enabling meshcnn for medical surface models. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 210, 106372.	4.7	13
18	Multiple Aneurysms AnaTomy CHallenge 2018 (MATCH): uncertainty quantification of geometric rupture risk parameters. <i>BioMedical Engineering OnLine</i> , 2019, 18, 35.	2.7	9

#	ARTICLE	IF	CITATIONS
19	Stent-assisted coiling of broad-necked intracranial aneurysms with a new braided microstent (Accero): procedural results and long-term follow-up. Scientific Reports, 2020, 10, 412.	3.3	8
20	Reduction of beam hardening artifacts on real C-arm CT data using polychromatic statistical image reconstruction. Zeitschrift Fur Medizinische Physik, 2020, 30, 40-50.	1.5	7
21	Can Endovascular Treatment of Fusiform Intracranial Aneurysms Restore the Healthy Hemodynamic Environment?â€”A Virtual Pilot Study. Frontiers in Neurology, 2021, 12, 771694.	2.4	4
22	Late sudden death following subarachnoid hemorrhage during cerebral angiography - Was vasospasm to blame?. Clinical Neurology and Neurosurgery, 2020, 198, 106232.	1.4	0