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List of Publications by Year in descending order

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39
papers

378
citations

1039406

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all docs

40
docs citations

40
times ranked

385
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-calibration of C-arm imaging system using interventional instruments during an intracranial biplane angiography. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 1355-1366.	1.7	1
2	A comparison of input devices for precise interaction tasks in VR-based surgical planning and training. <i>Computers in Biology and Medicine</i> , 2022, 145, 105429.	3.9	9
3	VR-based training of craniotomy for intracranial aneurysm surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 449-456.	1.7	5
4	A Comparison of Input Devices for Precise Interaction Tasks in VR-based Surgical Planning and Training. , 2022, , .		1
5	Hemodynamic Data Assimilation in a Subject-specific Circle of Willis Geometry. <i>Clinical Neuroradiology</i> , 2021, 31, 643-651.	1.0	11
6	Interactive Visualization of Cerebral Blood Flow for Arteriovenous Malformation Embolisation. <i>Informatik Aktuell</i> , 2021, , 36-41.	0.4	1
7	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.	1.7	6
8	Distance and force visualisations for improved simulation of intracranial aneurysm clipping. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 1297-1304.	1.7	3
9	VICTORIA: Virtual neck Curve and True Ostium Reconstruction of Intracranial Aneurysms. <i>Cardiovascular Engineering and Technology</i> , 2021, 12, 454-465.	0.7	2
10	Aneurysm Wall Enhancement Is Associated With Decreased Intrasaccular IL-10 and Morphological Features of Instability. <i>Neurosurgery</i> , 2021, 89, 664-671.	0.6	12
11	Facial Feature Removal for Anonymization of Neurological Image Data. <i>Current Directions in Biomedical Engineering</i> , 2021, 7, 130-134.	0.2	0
12	An interactive tool for identifying patient subgroups based on arbitrary characteristics for medical research. <i>Current Directions in Biomedical Engineering</i> , 2021, 7, 43-46.	0.2	1
13	Definition and extraction of 2D shape indices of intracranial aneurysm necks for rupture risk assessment. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 1977-1984.	1.7	2
14	A novel tool for monitoring and assessing the outcome of thermal ablations of hepatic lesions. <i>Current Directions in Biomedical Engineering</i> , 2021, 7, 72-75.	0.2	0
15	MedmeshCNN - Enabling meshcnn for medical surface models. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 210, 106372.	2.6	13
16	Tissue segmentation in histologic images of intracranial aneurysm wall. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2021, 26, 101307.	0.2	1
17	Virtual embolization for treatment support of intracranial AVMs using an interactive desktop and VR application. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 2119-2127.	1.7	3
18	Image-based Blood Flow Analysis of Popliteal Artery Aneurysms – an Interdisciplinary Pilot Study. <i>Current Directions in Biomedical Engineering</i> , 2021, 7, 891-894.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Hemodynamics of anterior communicating artery aneurysms using combined imaging of the anterior circulation. <i>Current Directions in Biomedical Engineering</i> , 2021, 7, 887-890.	0.2	0
20	Can Endovascular Treatment of Fusiform Intracranial Aneurysms Restore the Healthy Hemodynamic Environment?â€A Virtual Pilot Study. <i>Frontiers in Neurology</i> , 2021, 12, 771694.	1.1	4
21	Interactive exploration of a 3D intracranial aneurysm wall model extracted from histologic slices. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 99-107.	1.7	6
22	Multimodal validation of focal enhancement in intracranial aneurysms as a surrogate marker for aneurysm instability. <i>Neuroradiology</i> , 2020, 62, 1627-1635.	1.1	35
23	Combining visual analytics and case-based reasoning for rupture risk assessment of intracranial aneurysms. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 1525-1535.	1.7	3
24	Rupture risk assessment for multiple intracranial aneurysms: why there is no need for dozens of clinical, morphological and hemodynamic parameters. <i>Therapeutic Advances in Neurological Disorders</i> , 2020, 13, 175628642096615.	1.5	16
25	Shrinking tube mesh: combined mesh generation and smoothing for pathologic vessels. <i>Current Directions in Biomedical Engineering</i> , 2020, 6, .	0.2	1
26	Wall enhancement segmentation for intracranial aneurysm. <i>Current Directions in Biomedical Engineering</i> , 2020, 6, .	0.2	0
27	Automatic Segmentation of Necrosis Zones after Radiofrequency Ablation of Spinal Metastases. , 2020, , .		0
28	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.	1.7	18
29	Suitability of intravascular imaging for assessment of cerebrovascular diseases. <i>Neuroradiology</i> , 2019, 61, 1093-1101.	1.1	5
30	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.	1.7	29
31	Multiple Aneurysms AnaTomy CHallenge 2018 (MATCH): uncertainty quantification of geometric rupture risk parameters. <i>BioMedical Engineering OnLine</i> , 2019, 18, 35.	1.3	9
32	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.	1.0	60
33	Vertebral body segmentation in wide range clinical routine spine MRI data. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 155, 93-99.	2.6	21
34	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.	0.2	2
35	Multi-segmental spine image registration supporting image-guided interventions of spinal metastases. <i>Computers in Biology and Medicine</i> , 2018, 102, 16-20.	3.9	5
36	Multiple Aneurysms AnaTomy CHallenge 2018 (MATCH): Phase I: Segmentation. <i>Cardiovascular Engineering and Technology</i> , 2018, 9, 565-581.	0.7	59

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37	Semiautomatic neck curve reconstruction for intracranial aneurysm rupture risk assessment based on morphological parameters. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1781-1793.	1.7	22
38	Rupture Status Classification of Intracranial Aneurysms Using Morphological Parameters. , 2018, , .		12
39	Poster session 22: Imaging and image processing V. Biomedizinische Technik, 2017, 62, .	0.9	0