Ingerid Reinertsen

List of Publications by Year
in descending order

46	1,201	393982	395343
papers	citations	19 h-index	33 g-index

49	49	49	1516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrasound imaging in neurosurgery: approaches to minimize surgically induced image artefacts for improved resection control. Acta Neurochirurgica, 2013, 155, 973-980.	0.9	132
2	Validation of vessel-based registration for correction of brain shift. Medical Image Analysis, 2007, 11, 374-388.	7.0	86
3	Clinical validation of vessel-based registration for correction of brain-shift. Medical Image Analysis, 2007, 11, 673-684.	7.0	69
4	REtroSpective Evaluation of Cerebral Tumors (RESECT): A clinical database of pre-operative MRI and intra-operative ultrasound in low-grade glioma surgeries. Medical Physics, 2017, 44, 3875-3882.	1.6	69
5	CustusX: an open-source research platform for image-guided therapy. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 505-519.	1.7	67
6	Intra-operative correction of brain-shift. Acta Neurochirurgica, 2014, 156, 1301-1310.	0.9	64
7	Quantitative texture analysis in the prediction of IDH status in low-grade gliomas. Clinical Neurology and Neurosurgery, 2018, 164, 114-120.	0.6	56
8	Brain-shift compensation using intraoperative ultrasound and constraint-based biomechanical simulation. Medical Image Analysis, 2017, 40, 133-153.	7.0	54
9	The Direction of Tumour Growth in Glioblastoma Patients. Scientific Reports, 2018, 8, 1199.	1.6	48
10	Evaluation of MRI to Ultrasound Registration Methods for Brain Shift Correction: The CuRIOUS2018 Challenge. IEEE Transactions on Medical Imaging, 2020, 39, 777-786.	5.4	42
11	Intra-rater variability in low-grade glioma segmentation. Journal of Neuro-Oncology, 2017, 131, 393-402.	1.4	39
12	The Diagnostic Properties of Intraoperative Ultrasound in Glioma Surgery and Factors Associated with Gross Total Tumor Resection. World Neurosurgery, 2018, 115, e129-e136.	0.7	35
13	Glioblastoma Segmentation: Comparison of Three Different Software Packages. PLoS ONE, 2016, 11, e0164891.	1.1	35
14	Highlighting nerves and blood vessels for ultrasound-guided axillary nerve block procedures using neural networks. Journal of Medical Imaging, 2018, 5, 1.	0.8	33
15	Survival of glioblastoma in relation to tumor location: a statistical tumor atlas of a population-based cohort. Acta Neurochirurgica, 2021, 163, 1895-1905.	0.9	30
16	A realistic phantom for brain-shift simulations. Medical Physics, 2006, 33, 3234-3240.	1.6	29
17	Three-Dimensional Ultrasoundâ€“Guided Placement of Ventricular Catheters. World Neurosurgery, 2014, 82, 536.e5-536.e9.	0.7	29
18	Automatic Intraoperative Correction of Brain Shift for Accurate Neuronavigation. World Neurosurgery, 2018, 120, e1071-e1078.	0.7	28

#	Article	IF	Citations
19	18F-FACBC PET/MRI in Diagnostic Assessment and Neurosurgery of Gliomas. Clinical Nuclear Medicine, 2019, 44, 550-559.	0.7	23
20	Brain atlas for assessing the impact of tumor location on perioperative quality of life in patients with high-grade glioma: A prospective population-based cohort study. NeuroImage: Clinical, 2019, 21, 101658.	1.4	22
21	Liver deformation in an animal model due to pneumoperitoneum assessed by a vessel-based deformable registration. Minimally Invasive Therapy and Allied Technologies, 2014, 23, 279-286.	0.6	19
22	Intraoperative 3D ultrasoundâ€“guided resection of diffuse low-grade gliomas: radiological and clinical results. Journal of Neurosurgery, 2020, 132, 518-529.	0.9	19
23	Validation of a hybrid Doppler ultrasound vessel-based registration algorithm for neurosurgery. International Journal of Computer Assisted Radiology and Surgery, 2012, 7, 667-685.	1.7	17
24	Spatial distribution of malignant transformation in patients with low-grade glioma. Journal of Neuro-Oncology, 2020, 146, 373-380.	1.4	13
25	Meningioma Segmentation in T1-Weighted MRI Leveraging Global Context and Attention Mechanisms. Frontiers in Radiology, 2021, 1, .	1.2	13
26	Multimodal 18 F-Fluciclovine PET/MRI and Ultrasound-Guided Neurosurgery of an Anaplastic Oligodendroglioma. World Neurosurgery, 2017, 108, 989.e1-989.e8.	0.7	12
27	Brain infarctions after glioma surgery: prevalence, radiological characteristics and risk factors. Acta Neurochirurgica, 2021, 163, 3097-3108.	0.9	12
28	Nonlinear deformation of tractography in ultrasound-guided low-grade gliomas resection. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 457-467.	1.7	11
29	Is the anatomical distribution of low-grade gliomas linked to regions of gliogenesis?. Journal of Neuro-Oncology, 2020, 147, 147-157.	1.4	11
30	FastPathology: An Open-Source Platform for Deep Learning-Based Research and Decision Support in Digital Pathology. IEEE Access, 2021, 9, 58216-58229.	2.6	11
31	A new system for 3D ultrasound-guided placement of cerebral ventricle catheters. International Journal of Computer Assisted Radiology and Surgery, 2012, 7, 151-157.	1.7	10
32	Tumor Volume Assessment in Low-Grade Gliomas: A Comparison of Preoperative Magnetic Resonance Imaging to Coregistered Intraoperative 3-Dimensional Ultrasound Recordings. Neurosurgery, 2018, 83, 288-296.	0.6	10
33	Fast meningioma segmentation in T1-weighted magnetic resonance imaging volumes using a lightweight 3D deep learning architecture. Journal of Medical Imaging, 2021, 8, 024002.	0.8	9
34	Glioblastoma Surgery Imagingâ€“Reporting and Data System: Validation and Performance of the Automated Segmentation Task. Cancers, 2021, 13, 4674.	1.7	9
35	Lower-Grade Gliomas: An Epidemiological Voxel-Based Analysis of Location and Proximity to Eloquent Regions. Frontiers in Oncology, 2021, 11, 748229.	1.3	7
36	Radiological evaluation of low-grade glioma: time to embrace quantitative data?. Acta Neurochirurgica, 2019, 161, 577-578.	0.9	6

#	Article	IF	Citations
37	Glioblastoma Surgery Imagingâ€"Reporting and Data System: Standardized Reporting of Tumor Volume, Location, and Resectability Based on Automated Segmentations. Cancers, 2021, 13, 2854.	1.7	5
38	Validation of model-guided placement of external ventricular drains. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 777-784.	1.7	4
39	Code-Free Development and Deployment of Deep Segmentation Models for Digital Pathology. Frontiers in Medicine, 2021, 8, 816281.	1.2	4
40	Automatic intraoperative estimation of blood flow direction during neurosurgical interventions. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 693-701.	1.7	2
41	Using the CustusX toolkit to create an image guided bronchoscopy application: Fraxinus. PLoS ONE, 2019, 14, e0211772.	1.1	2
42	The Essential Role of Open Data and Software for the Future of Ultrasound-Based Neuronavigation. Frontiers in Oncology, 2020, 10, 619274.	1.3	1
43	Registration of MR to Percutaneous Ultrasound of the Spine for Image-Guided Surgery. Lecture Notes in Computational Vision and Biomechanics, 2014, , 209-218.	0.5	1
44	Computational Biomechanics of the Brain in the Operating Theatre. Biological and Medical Physics Series, 2019, , 321-344.	0.3	1
45	What is the current clinicoâ€radiological diagnostic accuracy for intracranial tumours?. Acta Neurologica Scandinavica, 2021, 144, 142-148.	1.0	0
46	Resection-induced brain-shift compensation using vessel-based methods. , 2018, , .		0