# Sarah Frisken

List of Publications by Year
in descending order



| 21 | 317 | 1163117 8 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 21 | 21 | 21 | 417 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Pose Estimation and Non-Rigid Registration for Augmented Reality During Neurosurgery. IEEE Transactions on Biomedical Engineering, 2022, 69, 1310-1317. | 4.2 | 7 |
| 2 | Cortical Vessel Segmentation for Neuronavigation Using Vesselness-Enforced Deep Neural Networks. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 327-330. | 3.2 | 2 |
| 3 | Computer simulation of tumour <scp>resectionâ€induced</scp> brain deformation by a meshless approach. International Journal for Numerical Methods in Biomedical Engineering, 2022, 38, e3539. | 2.1 | 4 |
| 4 | Incorporating Uncertainty Into Path Planning for Minimally Invasive Robotic Neurosurgery. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 5-16. | 3.2 | 1 |
| 5 | Automatic framework for patient-specific modelling of tumour resection-induced brain shift. Computers in Biology and Medicine, 2022, 143, 105271. | 7.0 | 4 |
| 6 | NousNav: A low-cost neuronavigation system for deployment in lower-resource settings. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 1745-1750. | 2.8 | 3 |
| 7 | Predicted microscopic cortical brain images for optimal craniotomy positioning and visualisation. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2021, 9, 407-413. | 1.9 | 1 |
| 8 | Deep Cortical Vessel Segmentation Driven By Data Augmentation With Neural Image Analogy. , 2021, , . | | 5 |
| 9 | Challenges and Opportunities of Intraoperative 3D Ultrasound With Neuronavigation in Relation to Intraoperative MRI. Frontiers in Oncology, 2021, 11, 656519. | 2.8 | 25 |
| 10 | Automatic non-rigid registration of preoperative MRI and intraoperative US for US-guided neurosurgery - A preliminary study. , 2021, , . | | 0 |
| 11 | A comparison of thin-plate spline deformation and finite element modeling to compensate for brain shift during tumor resection. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 75-85. | 2.8 | 10 |
| 12 | Adaptive Physics-Based Non-Rigid Registration for Immersive Image-Guided Neuronavigation Systems. Frontiers in Digital Health, 2020, 2, 613608. | 2.8 | 5 |
| 13 | Deformation Aware Augmented Reality for Craniotomy Using 3D/2D Non-rigid Registration of Cortical Vessels. Lecture Notes in Computer Science, 2020, 12264, 735-744. | 1.3 | 7 |
| 14 | Alignment of cortical vessels viewed through the surgical microscope with preoperative imaging to compensate for brain shift. , 2020, 11315, . | | 3 |
| 15 | Deformable MRI-Ultrasound registration using correlation-based attribute matching for brain shift correction: Accuracy and generality in multi-site data. NeuroImage, 2019, 202, 116094. | 4.2 | 16 |
| 16 | 3D printing and intraoperative neuronavigation tailoring for skull base reconstruction after extended endoscopic endonasal surgery: proof of concept. Journal of Neurosurgery, 2018, 130, 248-255. | 1.6 | 15 |
| 17 | Using the variogram for vector outlier screening: application to feature-based image registration. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1871-1880. | 2.8 | 17 |
| 18 | Non-rigid registration of 3D ultrasound for neurosurgery using automatic feature detection and matching. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1525-1538. | 2.8 | 40 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 3D Printing and Intraoperative Neuronavigation Tailoring for Skull Base Reconstruction after Extended Endoscopic Endonasal Surgery. Journal of Neurological Surgery, Part B: Skull Base, 2018, 79, S1-S188. | 0.8 | 0 |
| 20 | Applications of Ultrasound in the Resection of Brain Tumors. Journal of Neuroimaging, 2017, 27, 5-15. | 2.0 | 104 |
| 21 | Automated detection of intracranial aneurysms based on parent vessel 3D analysis. Medical Image Analysis, 2010, 14, 149-159. | 11.6 | 48 |