Tina Kapur

List of Publications by Year
in descending order

32 papers	953 citations	566801 15 h-index	552369 26 g-index
33 all docs	33 docs citations	33 times ranked	1379 citing authors

#	Article	IF	Citations
1	Computer simulation of tumour <scp>resection‐induced</scp> brain deformation by a meshless approach. International Journal for Numerical Methods in Biomedical Engineering, 2022, 38, e3539.	1.0	4
2	Point-of-Care Lung Ultrasound for Differentiating COVID-19 From Influenza. Cureus, 2022, 14, e21116.	0.2	0
3	massNet: integrated processing and classification of spatially resolved mass spectrometry data using deep learning for rapid tumor delineation. Bioinformatics, 2022, 38, 2015-2021.	1.8	13
4	Automatic framework for patient-specific modelling of tumour resection-induced brain shift. Computers in Biology and Medicine, 2022, 143, 105271.	3.9	4
5	<scp>Point‐of‐care ultrasound‐first</scp> for the evaluation of small bowel obstruction: National cost savings, length of stay reduction, and preventable radiation exposure. Academic Emergency Medicine, 2022, 29, 824-834.	0.8	13
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.	1.7	3
7	PET and CT Contributions to Patient Dose and Personnel Exposure from Radiation During PET/CT-Guided Tumor Ablations. Journal of Vascular and Interventional Radiology, 2022, , .	0.2	0
8	Image registration: Maximum likelihood, minimum entropy and deep learning. Medical Image Analysis, 2021, 69, 101939.	7.0	13
9	F-18 FDG perfusion PET: intraprocedural assessment of the liver tumor ablation margin. Abdominal Radiology, 2021, 46, 3437-3447.	1.0	8
10	Challenges and Opportunities of Intraoperative 3D Ultrasound With Neuronavigation in Relation to Intraoperative MRI. Frontiers in Oncology, 2021, 11, 656519.	1.3	25
11	Peak learning of mass spectrometry imaging data using artificial neural networks. Nature Communications, 2021, 12, 5544.	5.8	43
12	Lung Nodule Malignancy Prediction in Sequential CT Scans: Summary of ISBI 2018 Challenge. IEEE Transactions on Medical Imaging, 2021, 40, 3748-3761.	5.4	13
13	Improving detection of prostate cancer foci via information fusion of MRI and temporal enhanced ultrasound. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1215-1223.	1.7	20
14	Confidence Calibration and Predictive Uncertainty Estimation for Deep Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2020, 39, 3868-3878.	5.4	158
15	Vaginal recurrence of endometrial cancer: MRI characteristics and correlation with patient outcome after salvage radiation therapy. Abdominal Radiology, 2020, 45, 1122-1131.	1.0	10
16	Fully automatic catheter segmentation in MRI with 3D convolutional neural networks: application to MRI-guided gynecologic brachytherapy. Physics in Medicine and Biology, 2019, 64, 165008.	1.6	47
17	Automatic 3D Nonlinear Registration of Mass Spectrometry Imaging and Magnetic Resonance Imaging Data. Analytical Chemistry, 2019, 91, 6206-6216.	3.2	45
18	Automatic Needle Segmentation and Localization in MRI With 3-D Convolutional Neural Networks: Application to MRI-Targeted Prostate Biopsy. IEEE Transactions on Medical Imaging, 2019, 38, 1026-1036.	5.4	42

#	Article	IF	Citations
19	Tesseract-medical imaging: open-source browser-based platform for artificial intelligence deployment in medical imaging. , 2019, , .		2
20	Whole brain white matter connectivity analysis using machine learning: An application to autism. NeuroImage, 2018, 172, 826-837.	2.1	70
21	Automatic high resolution segmentation of the prostate from multi-planar MRI. , 2018, , .		18
22	DeepInfer: open-source deep learning deployment toolkit for image-guided therapy. Proceedings of SPIE, 2017, 10135, .	0.8	27
23	Classification of clinical significance of MRI prostate findings using 3D convolutional neural networks. Proceedings of SPIE, 2017, 10134, .	0.8	42
24	Accurate model-based segmentation of gynecologic brachytherapy catheter collections in MRI-images. Medical Image Analysis, 2017, 42, 173-188.	7.0	18
25	Applications of Ultrasound in the Resection of Brain Tumors. Journal of Neuroimaging, 2017, 27, 5-15.	1.0	104
26	An Immersive Virtual Reality Environment for Diagnostic Imaging. Journal of Medical Robotics Research, 2016, 01, 1640003.	1.0	31
27	Bolus arrival time and its effect on tissue characterization with dynamic contrast-enhanced magnetic resonance imaging. Journal of Medical Imaging, 2016, 3, 014503.	0.8	10
28	Magnetic Resonance-Guided Interventions: The State of the Art. Magnetic Resonance Imaging Clinics of North America, 2015, 23, xix.	0.6	0
29	Multimodal imaging for improved diagnosis and treatment of cancers. Cancer, 2015, 121, 817-827.	2.0	91
30	Prototype Design and Phantom Evaluation of a Device for Co-registered MRI/TRUS Imaging of the Prostate. Lecture Notes in Computer Science, 2014, 8361, 125-133.	1.0	0
31	Validation of Catheter Segmentation for MR-Guided Gynecologic Cancer Brachytherapy. Lecture Notes in Computer Science, 2013, 16, 380-387.	1.0	8
32	3-T MR-guided brachytherapy for gynecologic malignancies. Magnetic Resonance Imaging, 2012, 30, 1279-1290.	1.0	71