Prasad Vagdargi

List of Publications by Year
in descending order

26	156	1478505 6	1372567 10
papers	citations	h-index	g-index

26	26	26	94
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deformable MR-CT image registration using an unsupervised, dual-channel network for neurosurgical guidance. Medical Image Analysis, 2022, 75, 102292.	11.6	21
2	Pre-Clinical Development of Robot-Assisted Ventriculoscopy for 3-D Image Reconstruction and Guidance of Deep Brain Neurosurgery. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 28-37.	3.2	3
3	Joint synthesis and registration network for deformable MR-CBCT image registration for neurosurgical guidance. Physics in Medicine and Biology, 2022, 67, 125008.	3.0	9
4	A Mosquito Pick-and-Place System for PfSPZ-Based Malaria Vaccine Production. IEEE Transactions on Automation Science and Engineering, 2021, 18, 299-310.	5.2	7
5	Deformable MR-CT image registration using an unsupervised synthesis and registration network for neuro-endoscopic surgery. , 2021, , .		4
6	Cone-beam CT for neurosurgical guidance: high-fidelity artifacts correction for soft-tissue contrast resolution. , 2021, , .		3
7	Pre-clinical evaluation of a video-based drill guidance system for orthopaedic trauma surgery. , 2021, , .		1
8	Fluoroscopic guidance of a surgical robot: pre-clinical evaluation in pelvic guidewire placement. , 2021, , .		1
9	Fracture reduction planning and guidance in orthopaedic trauma surgery via multi-body image registration. Medical Image Analysis, 2021, 68, 101917.	11.6	21
10	Robot-assisted ventriculoscopic 3D reconstruction for guidance of deep-brain stimulation surgery. , 2021, , .		3
11	Drill-mounted video guidance for orthopaedic trauma surgery. Journal of Medical Imaging, 2021, 8, 015002.	1.5	2
12	Data-driven deformable 3D-2D registration for guiding neuroelectrode placement in deep brain stimulation. , 2021, , .		1
13	Development of a fluoroscopically guided robotic assistant for instrument placement in pelvic trauma surgery. Journal of Medical Imaging, 2021, 8, 035001.	1.5	2
14	Deformable 3D-2D registration for high-precision guidance and verification of neuroelectrode placement. Physics in Medicine and Biology, 2021, 66, 215014.	3.0	3
15	Multi-body 3Dâ€“2D registration for image-guided reduction of pelvic dislocation in orthopaedic trauma surgery. Physics in Medicine and Biology, 2020, 65, 135009.	3.0	11
16	C-arm orbits for metal artifact avoidance (MAA) in cone-beam CT. Physics in Medicine and Biology, 2020, 65, 165012.	3.0	18
17	Multi-body registration for fracture reduction in orthopaedic trauma surgery. , 2020, , .		2
18	Image-guided robotic k-wire placement for orthopaedic trauma surgery. , 2020, , .		4

#	Article	IF	Citations
19	Method for metal artifact avoidance in C-Arm cone-beam CT. , 2020, , .		7
20	Sparse Point Registration. Springer Proceedings in Advanced Robotics, 2020, , 743-758.	1.3	3
21	Calibration and registration of a freehand video-guided surgical drill for orthopaedic trauma. , 2020, 11315, .		2
22	User Centric Device Registration for Streamlined Workflows in Surgical Navigation Systems. , 2019, , .		0
23	Registration with a small number of sparse measurements. International Journal of Robotics Research, 2019, 38, 1403-1419.	8.5	8
24	Mosquito Pick-and-Place: Automating a Key Step in PfSPZ-based Malaria Vaccine Production. , 2019, , .		4
25	Interactive Endoscopy: A Next-Generation, Streamlined User Interface for Lung Surgery Navigation. Lecture Notes in Computer Science, 2019, , 83-91.	1.3	3
26	Development of an inexpensive tri-axial force sensor for minimally invasive surgery. , 2017, , .		13