Yuanzheng Gong

List of Publications by Year
in descending order

16	303	1306789 7	1473754 9
papers	citations	h-index	g-index

16	16	16	321
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Semiâ€autonomous imageâ€guided brain tumour resection using an integrated robotic system: A benchâ€top study. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1872.	1.2	19
2	Toward real-time quantification of fluorescence molecular probes using target/background ratio for guiding biopsy and endoscopic therapy of esophageal neoplasia. Journal of Medical Imaging, 2017, 4, 1.	0.8	12
3	Three-dimensional measurement of small inner surface profiles using feature-based 3-D panoramic registration. Optical Engineering, 2017, 56, 014108.	0.5	23
4	Toward real-time tumor margin identification in image-guided robotic brain tumor resection. Proceedings of SPIE, 2017, 10135, .	0.8	3
5	Feature-Based Three-Dimensional Registration for Repetitive Geometry in Machine Vision. Journal of Information Technology & Software Engineering, 2016, 6, .	0.3	5
6	Toward real-time endoscopically-guided robotic navigation based on a 3D virtual surgical field model. , 2015, 9415, 94150C.		4
7	Path planning for semi-automated simulated robotic neurosurgery. , 2015, 2015, 2639-2645.		12
8	Semi-autonomous simulated brain tumor ablation with RAVENII Surgical Robot using behavior tree. , 2015, 2015, 3868-3875.		67
9	Axial-Stereo 3-D Optical Metrology for Inner Profile of Pipes Using a Scanning Laser Endoscope. International Journal of Optomechatronics, 2015, 9, 238-247.	3.3	11
10	Bound constrained bundle adjustment for reliable 3D reconstruction. Optics Express, 2015, 23, 10771.	1.7	17
11	Accurate three-dimensional virtual reconstruction of surgical field using calibrated trajectories of an image-guided medical robot. Journal of Medical Imaging, 2014, 1, 035002.	0.8	13
12	Mapping surgical fields by moving a laser-scanning multimodal scope attached to a robot arm. , 2014, 9036, .		5
13	Improving 4-D shape measurement by using projector defocusing. , 2010, , .		4
14	Ultrafast 3-D shape measurement with an off-the-shelf DLP projector. Optics Express, 2010, 18, 19743.	1.7	106
15	Some recent advance on high-speed, high-resolution 3-D shape measurement using projector defocusing. , 2010, , .		2
16	High-Speed, High-Resolution 3D Imaging Using Projector Defocusing. , 0, , 121-140.		0