Masahiko Nakamoto

List of Publications by Year
in descending order

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41	1,159	516215 16	377514 34
papers	citations	h-index	g-index

43	43	43	1173
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Zero Ischemia Anatomical Partial Nephrectomy: A Novel Approach. Journal of Urology, 2012, 187, 807-815.	0.2	208
2	Anatomic Renal Artery Branch Microdissection to Facilitate Zero-Ischemia Partial Nephrectomy. European Urology, 2012, 61, 67-74.	0.9	118
3	Automated Segmentation of the Liver from 3D CT Images Using Probabilistic Atlas and Multilevel Statistical Shape Model. Academic Radiology, 2008, 15, 1390-1403.	1.3	117
4	Three-Dimensional Reconstruction of Renovascular-Tumor Anatomy to Facilitate Zero-Ischemia Partial Nephrectomy. European Urology, 2012, 61, 211-217.	0.9	107
5	Intraoperative Magnetic Tracker Calibration Using a Magneto-Optic Hybrid Tracker for 3-D Ultrasound-Based Navigation in Laparoscopic Surgery. IEEE Transactions on Medical Imaging, 2008, 27, 255-270.	5.4	63
6	Construction of Hierarchical Multi-Organ Statistical Atlases and Their Application to Multi-Organ Segmentation from CT Images. Lecture Notes in Computer Science, 2008, 11, 502-509.	1.0	63
7	A real-time navigation system for laparoscopic surgery based on three-dimensional ultrasound using magneto-optic hybrid tracking configuration. International Journal of Computer Assisted Radiology and Surgery, 2007, 2, 1-10.	1.7	52
8	Current progress on augmented reality visualization in endoscopic surgery. Current Opinion in Urology, 2012, 22, 121-126.	0.9	47
9	Automated Segmentation of the Liver from 3D CT Images Using Probabilistic Atlas and Multi-level Statistical Shape Model. Lecture Notes in Computer Science, 2007, 10, 86-93.	1.0	41
10	Recovery of respiratory motion and deformation of the liver using laparoscopic freehand 3D ultrasound system. Medical Image Analysis, 2007, 11, 429-442.	7.0	33
11	Automated preoperative planning of femoral stem in total hip arthroplasty from 3D CT data: Atlas-based approach and comparative study. Medical Image Analysis, 2012, 16, 415-426.	7.0	26
12	Augmented reality navigation system for endoscopic surgery based on three-dimensional ultrasound and computed tomography: Application to 20 clinical cases. International Congress Series, 2005, 1281, 537-542.	0.2	25
13	3D Ultrasound System Using a Magneto-optic Hybrid Tracker for Augmented Reality Visualization in Laparoscopic Liver Surgery. Lecture Notes in Computer Science, 2002, , 148-155.	1.0	24
14	Development of a camera model and calibration procedure for oblique-viewing endoscopes â€. Computer Aided Surgery, 2004, 9, 203-214.	1.8	23
15	A Rapid Method for Magnetic Tracker Calibration Using a Magneto-Optic Hybrid Tracker. Lecture Notes in Computer Science, 2003, , 285-293.	1.0	22
16	Three-dimensional ultrasound imaging of breast cancer by a real-time intraoperative navigation system. Breast Cancer, 2005, 12, 122-129.	1.3	18
17	Development of a camera model and calibration procedure for oblique-viewing endoscopes. Computer Aided Surgery, 2004, 9, 203-214.	1.8	17
18	Realtime Organ Tracking for Endoscopic Augmented Reality Visualization Using Miniature Wireless Magnetic Tracker. Lecture Notes in Computer Science, 2008, , 359-366.	1.0	17

#	Article	IF	Citations
19	Intraoperative Navigation for Breast Cancer Surgery Using 3D Ultrasound Images. Computer Aided Surgery, 1999, 4, 37-44.	1.8	16
20	Camera Model and Calibration Procedure for Oblique-Viewing Endoscope. Lecture Notes in Computer Science, 2003, , 373-381.	1.0	14
21	Percutaneous radiofrequency ablation of virtual tumours in canine kidney using Global Positioning Systemâ€like technology. BJU International, 2012, 109, 1398-1403.	1.3	14
22	Magneto-Optic Hybrid 3-D Sensor forÂSurgicalÂNavigation. Lecture Notes in Computer Science, 2000, , 839-848.	1.0	12
23	Threeâ€dimensional navigation system integrating positionâ€tracking technology with a movable tablet display for percutaneous targeting. BJU International, 2015, 115, 659-665.	1.3	9
24	CT-based automated planning of acetabular cup for total hip arthroplasty (THA) based on hybrid use of two statistical atlases. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 2253-2271.	1.7	9
25	Fast alignment of 3D geometrical models and 2D grayscale images using 2D distance maps. Systems and Computers in Japan, 2007, 38, 52-62.	0.2	8
26	A Survey on Statistical Modeling and Machine Learning Approaches to Computer Assisted Medical Intervention: Intraoperative Anatomy Modeling and Optimization of Interventional Procedures. IEICE Transactions on Information and Systems, 2013, E96.D, 784-797.	0.4	8
27	Expertise Modeling for Automated Planning of Acetabular Cup in Total Hip Arthroplasty Using Combined Bone and Implant Statistical Atlases. Lecture Notes in Computer Science, 2009, 12, 532-539.	1.0	8
28	Thoracoscopic Surgical Navigation System for Cancer Localization in Collapsed Lung Based on Estimation of Lung Deformation. , 2007, 10, 68-76.		6
29	Automated CT-based 3D surgical planning for total hip replacement: a pilot study. International Congress Series, 2003, 1256, 389-394.	0.2	5
30	Fast modelâ€“image registration using a two-dimensional distance map for surgical navigation system. Advanced Robotics, 2007, 21, 751-770.	1.1	4
31	Automated Preoperative Planning of Femoral Component for Total Hip Arthroplasty (THA) from 3D CT Images. Journal of Biomechanical Science and Engineering, 2008, 3, 478-489.	0.1	4
32	System simulator for structural description and error analysis of multimodal 3D data integration systems. Electronics and Communications in Japan, 2007, 90, 45-59.	0.2	3
33	Automated 3D Acetabular Cup planning in Total Hip Arthroplasty Based on Expertise Modeling using Statistical Shape Model. Journal of Japan Society of Computer Aided Surgery, 2012, 14, 27-37.	0.1	2
34	Development of AR navigation system for laparoscopic surgery using magneto-optic hybrid sensor: experiences with 3 cases. , 2002, , 1093-1093.		2
35	Development of camera model and calibration procedure for an oblique-viewing endoscope. Electronics and Communications in Japan, 2005, 88, 19-31.	0.2	1
36	Recovery of Liver Motion and Deformation Due to Respiration Using Laparoscopic Freehand 3D Ultrasound System. Lecture Notes in Computer Science, 2006, 9, 372-379.	1.0	1

#	Article	IF	Citations
37	Augmented Reality for Image-Guided Surgery in Urology. , 2010, , 215-222.		1
38	3D CT-based automated preoperative planning system for total hip arthroplasty "AutoImPlan". The Proceedings of Design & Systems Conference, 2004, 2004.14, 302-305.	0.0	1
39	Construction of a Statistical Surgical Plan Atlas for Automated 3D Planning of Femoral Component in Total Hip Arthroplasty. Lecture Notes in Computer Science, 2008, 11, 718-725.	1.0	1
40	^|^ldquo;AutoImPlan^|^rdquo;: An Automated 3D THA Planning System for Whole Components of Implants with Optimizing Joint Functionalities. Transactions of the Society of Instrument and Control Engineers, 2013, 49, 78-85.	0.1	0
41	Experience of Computer-Assisted Surgery in Urology. Journal of Japan Society of Computer Aided Surgery, 2019, 21, 153-156.	0.1	0