Kensaku Mori

List of Publications by Year in Descending Order

272 papers	4,090 citations	35 h-index	56 g-index
321 ext. papers	5,174 ext. citations	3.7 avg, IF	5.49 L-index

#	Paper	IF	Citations
272	Pre-/Intra-operative Diagnostic and Navigational Assistance Based on Multidisciplinary Computational Anatomy **2022**, 45-55		
271	Endoscopy: Computer-Aided Diagnostic System Based on Deep Learning Which Supports EndoscopistsDecision-Making on the Treatment of Colorectal Polyps **2022**, 337-342		
270	SR-CycleGAN: super-resolution of clinical CT to micro-CT level with multi-modality super-resolution loss.. *Journal of Medical Imaging*, **2022**, 9, 024003	2.6	0
269	COVID-19 Infection Segmentation from Chest CT Images Based on Scale Uncertainty. *Lecture Notes in Computer Science*, **2021**, 88-97	0.9	
268	Aorta-aware GAN for non-contrast to artery contrasted CT translation and its application to abdominal aortic aneurysm detection. *International Journal of Computer Assisted Radiology and Surgery*, **2021**, 1	3.9	1
267	Can artificial intelligence help to detect dysplasia in patients with ulcerative colitis?. *Endoscopy*, **2021**, 53, E273-E274	3.4	10
266	Unsupervised colonoscopic depth estimation by domain translations with a Lambertian-reflection keeping auxiliary task. *International Journal of Computer Assisted Radiology and Surgery*, **2021**, 16, 989-1001	3.9	4
265	Artificial intelligence-assisted colonic endocytoscopy for cancer recognition: a multicenter study. *Endoscopy International Open*, **2021**, 9, E1004-E1011	3	4
264	Development of a computer-aided detection system for colonoscopy and a publicly accessible large colonoscopy video database (with video). *Gastrointestinal Endoscopy*, **2021**, 93, 960-967.e3	5.2	43
263	Current status and future perspective on artificial intelligence for lower endoscopy. *Digestive Endoscopy*, **2021**, 33, 273-284	3.7	5
262	Station number assignment to abdominal lymph node for assisting gastric cancer surgery. *Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization*, **2021**, 9, 357-362	0.9	
261	Artificial Intelligence System to Determine Risk of T1 Colorectal Cancer Metastasis to Lymph Node. *Gastroenterology*, **2021**, 160, 1075-1084.e2	13.3	30
260	Artificial intelligence and computer-aided diagnosis for colonoscopy: where do we stand now?. *Translational Gastroenterology and Hepatology*, **2021**, 6, 64	5.2	0
259	X-ray Dark-Field Imaging (XDFI)-a Promising Tool for 3D Virtual Histopathology. *Molecular Imaging and Biology*, **2021**, 23, 481-494	3.8	2
258	Impact of the clinical use of artificial intelligence-assisted neoplasia detection for colonoscopy: a large-scale prospective, propensity score-matched study (with video). *Gastrointestinal Endoscopy*, **2021**,	5.2	4
257	Depth-based branching level estimation for bronchoscopic navigation. *International Journal of Computer Assisted Radiology and Surgery*, **2021**, 16, 1795-1804	3.9	2
256	Performance improvement of weakly supervised fully convolutional networks by skip connections for brain structure segmentation. *Medical Physics*, **2021**, 48, 7215-7227	4.4	

255	Binary polyp-size classification based on deep-learned spatial information. *International Journal of Computer Assisted Radiology and Surgery*, **2021**, 16, 1817-1828	3.9	0
254	A cascaded fully convolutional network framework for dilated pancreatic duct segmentation.. *International Journal of Computer Assisted Radiology and Surgery*, **2021**, 17, 343	3.9	2
253	How Far Will Clinical Application of AI Applications Advance for Colorectal Cancer Diagnosis?. *Journal of the Anus, Rectum and Colon*, **2020**, 4, 47-50	3.7	1
252	Artificial Intelligence for Colorectal Polyp Detection and Characterization. *Current Treatment Options in Gastroenterology*, **2020**, 18, 200-211	2.5	5
251	Cost savings in colonoscopy with artificial intelligence-aided polyp diagnosis: an add-on analysis of a clinical trial (with video). *Gastrointestinal Endoscopy*, **2020**, 92, 905-911.e1	5.2	43
250	Clinical application of a surgical navigation system based on virtual thoracoscopy for lung cancer patients: real time visualization of area of lung cancer before induction therapy and optimal resection line for obtaining a safe surgical margin during surgery. *Journal of Thoracic Disease*, **2020**, 12, 672-679	2.6	1
249	CAD in lung **2020**, 91-107		
248	Tensor-cut: A tensor-based graph-cut blood vessel segmentation method and its application to renal artery segmentation. *Medical Image Analysis*, **2020**, 60, 101623	15.4	12
247	A visual SLAM-based bronchoscope tracking scheme for bronchoscopic navigation. *International Journal of Computer Assisted Radiology and Surgery*, **2020**, 15, 1619-1630	3.9	7
246	Improving contrast and spatial resolution in crystal analyzer-based x-ray dark-field imaging: Theoretical considerations and experimental demonstration. *Medical Physics*, **2020**, 47, 5505-5513	4.4	5
245	Robust endocytoscopic image classification based on higher-order symmetric tensor analysis and multi-scale topological statistics. *International Journal of Computer Assisted Radiology and Surgery*, **2020**, 15, 2049-2059	3.9	1
244	Artificial Intelligence-assisted System Improves Endoscopic Identification of Colorectal Neoplasms. *Clinical Gastroenterology and Hepatology*, **2020**, 18, 1874-1881.e2	6.9	85
243	Artificial intelligence for magnifying endoscopy, endocytoscopy, and confocal laser endomicroscopy of the colorectum. *Techniques and Innovations in Gastrointestinal Endoscopy*, **2020**, 22, 56-60	1.3	1
242	A deformable model for navigated laparoscopic gastrectomy based on finite elemental method. *Minimally Invasive Therapy and Allied Technologies*, **2020**, 29, 210-216	2.1	0
241	Simultaneous detection and characterization of diminutive polyps with the use of artificial intelligence during colonoscopy. *VideoGIE*, **2019**, 4, 7-10	1.1	38
240	Abdominal artery segmentation method from CT volumes using fully convolutional neural network. *International Journal of Computer Assisted Radiology and Surgery*, **2019**, 14, 2069-2081	3.9	9
239	Precise estimation of renal vascular dominant regions using spatially aware fully convolutional networks, tensor-cut and Voronoi diagrams. *Computerized Medical Imaging and Graphics*, **2019**, 77, 101642	7.6	6
238	Three-dimensional reconstruction of human nipple using refraction-contrast x-ray computed Tomography **2019**,		2

237	Discriminative Feature Selection by Optimal Manifold Search for Neoplastic Image Recognition. *Lecture Notes in Computer Science*, **2019**, 534-549	0.9	
236	Radiomics nomogram for predicting the malignant potential of gastrointestinal stromal tumours preoperatively. *European Radiology*, **2019**, 29, 1074-1082	8	34
235	Wavelength Dependence of Ultrahigh-Resolution Optical Coherence Tomography Using Supercontinuum for Biomedical Imaging. *IEEE Journal of Selected Topics in Quantum Electronics*, **2019**, 25, 1-15	3.8	22
234	Self-supervised learning for medical image analysis using image context restoration. *Medical Image Analysis*, **2019**, 58, 101539	15.4	117
233	Tubular Structure Segmentation Using Spatial Fully Connected Network with Radial Distance Loss for 3D Medical Images. *Lecture Notes in Computer Science*, **2019**, 348-356	0.9	14
232	Intelligent Image Synthesis to Attack a Segmentation CNN Using Adversarial Learning. *Lecture Notes in Computer Science*, **2019**, 90-99	0.9	7
231	Realistic endoscopic image generation method using virtual-to-real image-domain translation. *Healthcare Technology Letters*, **2019**, 6, 214-219	1.9	8
230	Stable polyp-scene classification via subsampling and residual learning from an imbalanced large dataset. *Healthcare Technology Letters*, **2019**, 6, 237-242	1.9	2
229	Fully automated diagnostic system with artificial intelligence using endocytoscopy to identify the presence of histologic inflammation associated with ulcerative colitis (with video). *Gastrointestinal Endoscopy*, **2019**, 89, 408-415	5.2	110
228	Artificial intelligence and colonoscopy: Current status and future perspectives. *Digestive Endoscopy*, **2019**, 31, 363-371	3.7	67
227	Artificial intelligence and upper gastrointestinal endoscopy: Current status and future perspective. *Digestive Endoscopy*, **2019**, 31, 378-388	3.7	63
226	Advanced Endoscopic Navigation: Surgical Big Data, Methodology, and Applications. *Annual Review of Biomedical Engineering*, **2018**, 20, 221-251	12	28
225	Potential of artificial intelligence-assisted colonoscopy using an endocytoscope (with video). *Digestive Endoscopy*, **2018**, 30 Suppl 1, 52-53	3.7	15
224	Artificial Intelligence-Assisted Polyp Detection for Colonoscopy: Initial Experience. *Gastroenterology*, **2018**, 154, 2027-2029.e3	13.3	180
223	Application of three-dimensional print in minor hepatectomy following liver partition between anterior and posterior sectors. *ANZ Journal of Surgery*, **2018**, 88, 882-885	1	13
222	Artificial intelligence may help in predicting the need for additional surgery after endoscopic resection of T1 colorectal cancer. *Endoscopy*, **2018**, 50, 230-240	3.4	51
221	An application of cascaded 3D fully convolutional networks for medical image segmentation. *Computerized Medical Imaging and Graphics*, **2018**, 66, 90-99	7.6	144
220	Regulatory Science on AI-based Medical Devices and Systems. *Advanced Biomedical Engineering*, **2018**, 7, 118-123	0.7	20

219	DRINet for Medical Image Segmentation. *IEEE Transactions on Medical Imaging*, **2018**, 37, 2453-2462	11.7	105
218	Real-Time Use of Artificial Intelligence in Identification of Diminutive Polyps During Colonoscopy: A Prospective Study. *Annals of Internal Medicine*, **2018**, 169, 357-366	8	240
217	Dense volumetric detection and segmentation of mediastinal lymph nodes in chest CT images **2018** ,		6
216	Unsupervised pathology image segmentation using representation learning with spherical k-means **2018**,		7
215	Unsupervised segmentation of 3D medical images based on clustering and deep representation learning **2018**,		17
214	Cascade classification of endocytoscopic images of colorectal lesions for automated pathological diagnosis **2018**,		1
213	Towards dense volumetric pancreas segmentation in CT using 3D fully convolutional networks **2018**,		3
212	Crystal-based X-ray Medical Imaging Using Synchrotron Radiation and Its Future Prospect **2018**, 287-342		2
211	Colon Shape Estimation Method for Colonoscope Tracking Using Recurrent Neural Networks. *Lecture Notes in Computer Science*, **2018**, 176-184	0.9	3
210	Machine learning-based colon deformation estimation method for colonoscope tracking **2018**,		1
209	Towards Automated Colonoscopy Diagnosis: Binary Polyp Size Estimation via Unsupervised Depth Learning. *Lecture Notes in Computer Science*, **2018**, 611-619	0.9	8
208	The development of an automatically produced cholangiography procedure using the reconstruction of portal-phase multidetector-row computed tomography images: preliminary experience. *Surgery Today*, **2017**, 47, 365-374	3	0
207	Low-rank and sparse decomposition based shape model and probabilistic atlas for automatic pathological organ segmentation. *Medical Image Analysis*, **2017**, 38, 30-49	15.4	46
206	Optimal port placement planning method for laparoscopic gastrectomy. *International Journal of Computer Assisted Radiology and Surgery*, **2017**, 12, 1677-1684	3.9	5
205	Accuracy of computer-aided diagnosis based on narrow-band imaging endocytoscopy for diagnosing colorectal lesions: comparison with experts. *International Journal of Computer Assisted Radiology and Surgery*, **2017**, 12, 757-766	3.9	43
204	Accuracy of diagnosing invasive colorectal cancer using computer-aided endocytoscopy. *Endoscopy*, **2017**, 49, 798-802	3.4	75
203	Multi-atlas pancreas segmentation: Atlas selection based on vessel structure. *Medical Image Analysis*, **2017**, 39, 18-28	15.4	44
202	Hessian-assisted supervoxel: structure-oriented voxel clustering and application to mediastinal lymph node detection from CT volumes **2017**,		1

201	TBS: Tensor-Based Supervoxels for Unfolding the Heart. *Lecture Notes in Computer Science*, **2017**, 681-689	0.9	
200	Tracking and Segmentation of the Airways in Chest CT Using a Fully Convolutional Network. *Lecture Notes in Computer Science*, **2017**, 198-207	0.9	17
199	Motion Vector for Outlier Elimination in Feature Matching and Its Application in SLAM Based Laparoscopic Tracking. *Lecture Notes in Computer Science*, **2017**, 60-69	0.9	1
198	Comparison of the deep-learning-based automated segmentation methods for the head sectioned images of the virtual Korean human project **2017**,		1
197	Automatic anatomical labeling of arteries and veins using conditional random fields. *International Journal of Computer Assisted Radiology and Surgery*, **2017**, 12, 1041-1048	3.9	6
196	Automatic segmentation of airway tree based on local intensity filter and machine learning technique in 3D chest CT volume. *International Journal of Computer Assisted Radiology and Surgery*, **2017**, 12, 245-261	3.9	19
195	Robust colonoscope tracking method for colon deformations utilizing coarse-to-fine correspondence findings. *International Journal of Computer Assisted Radiology and Surgery*, **2017**, 12, 39-50	3.9	8
194	Supervoxel classification forests for estimating pairwise image correspondences. *Pattern Recognition*, **2017**, 63, 561-569	7.7	18
193	Automated mediastinal lymph node detection from CT volumes based on intensity targeted radial structure tensor analysis. *Journal of Medical Imaging*, **2017**, 4, 044502	2.6	4
192	Joint Supervoxel Classification Forest for Weakly-Supervised Organ Segmentation. *Lecture Notes in Computer Science*, **2017**, 79-87	0.9	2
191	Micro-CT Guided 3D Reconstruction of Histological Images. *Lecture Notes in Computer Science*, **2017** , 93-101	0.9	2
190	3D FCN Feature Driven Regression Forest-Based Pancreas Localization and Segmentation. *Lecture Notes in Computer Science*, **2017**, 222-230	0.9	3
189	Understanding Medical Images Based on Computational Anatomy Models **2017**, 151-284		1
188	Applied Technologies and Systems **2017**, 285-352		
187	Computer Aided Surgery and Artificial Intelligence/Machine Learning. *Journal of Japan Society of Computer Aided Surgery*, **2017**, 19, 147-150	0.1	
186	Clinical application of a surgical navigation system based on virtual laparoscopy in laparoscopic gastrectomy for gastric cancer. *International Journal of Computer Assisted Radiology and Surgery*, **2016**, 11, 827-36	3.9	23
185	Cascade Registration of Micro CT Volumes Taken in Multiple Resolutions. *Lecture Notes in Computer Science*, **2016**, 269-280	0.9	1
184	Accurate airway segmentation based on intensity structure analysis and graph-cut **2016**,		3

183	Structure Specific Atlas Generation and Its Application to Pancreas Segmentation from Contrasted Abdominal CT Volumes. *Lecture Notes in Computer Science*, **2016**, 47-56	0.9	4
182	Regression Forest-Based Atlas Localization and Direction Specific Atlas Generation for Pancreas Segmentation. *Lecture Notes in Computer Science*, **2016**, 556-563	0.9	14
181	Tensor-Based Graph-Cut in Riemannian Metric Space and Its Application to Renal Artery Segmentation. *Lecture Notes in Computer Science*, **2016**, 353-361	0.9	2
180	Tracking Accuracy Evaluation of Electromagnetic Sensor-Based Colonoscope Tracking Method. *Lecture Notes in Computer Science*, **2016**, 101-108	0.9	
179	Precise renal artery segmentation for estimation of renal vascular dominant regions **2016**,		2
178	Ensemble lymph node detection from CT volumes combining local intensity structure analysis approach and appearance learning approach **2016**,		1
177	Dark-Field Imaging: Recent developments and potential clinical applications. *Physica Medica*, **2016**, 32, 1801-1812	2.7	15
176	Progressive internal landmark registration for surgical navigation in laparoscopic gastrectomy for gastric cancer. *International Journal of Computer Assisted Radiology and Surgery*, **2016**, 11, 837-45	3.9	23
175	Characterization of Colorectal Lesions Using a Computer-Aided Diagnostic System for Narrow-Band Imaging Endocytoscopy. *Gastroenterology*, **2016**, 150, 1531-1532.e3	13.3	112
174	Impact of an automated system for endocytoscopic diagnosis of small colorectal lesions: an international web-based study. *Endoscopy*, **2016**, 48, 1110-1118	3.4	77
173	Automated anatomical labeling of abdominal arteries and hepatic portal system extracted from abdominal CT volumes. *Medical Image Analysis*, **2015**, 20, 152-61	15.4	13
172	Meclozine promotes longitudinal skeletal growth in transgenic mice with achondroplasia carrying a gain-of-function mutation in the FGFR3 gene. *Endocrinology*, **2015**, 156, 548-54	4.8	35
171	Surgical and Radiological Studies on the Length of the Hepatic Ducts. *World Journal of Surgery*, **2015**, 39, 2983-9	3.3	16
170	Supervoxel Classification Forests for Estimating Pairwise Image Correspondences. *Lecture Notes in Computer Science*, **2015**, 94-101	0.9	4
169	Development of a new detection device using a glass clip emitting infrared fluorescence for laparoscopic surgery of gastric cancer. *Journal of Physics: Conference Series*, **2015**, 619, 012033	0.3	
168	Discriminative dictionary learning for abdominal multi-organ segmentation. *Medical Image Analysis*, **2015**, 23, 92-104	15.4	100
167	Pancreas segmentation from 3D abdominal CT images using patient-specific weighted subspatial probabilistic atlases **2015**,		1
166	Pneumoperitoneum simulation based on mass-spring-damper models for laparoscopic surgical planning. *Journal of Medical Imaging*, **2015**, 2, 044004	2.6	7

165	Observation-driven adaptive differential evolution and its application to accurate and smooth bronchoscope three-dimensional motion tracking. *Medical Image Analysis*, **2015**, 24, 282-296	15.4	11
164	Adaptive marker-free registration using a multiple point strategy for real-time and robust endoscope electromagnetic navigation. *Computer Methods and Programs in Biomedicine*, **2015**, 118, 147-57	6.9	5
163	A discriminative structural similarity measure and its application to video-volume registration for endoscope three-dimensional motion tracking. *IEEE Transactions on Medical Imaging*, **2014**, 33, 1248-61	11.7	19
162	Diversity-Enhanced Condensation Algorithm and Its Application for Robust and Accurate Endoscope Three-Dimensional Motion Tracking **2014**,		1
161	Real-time bronchoscope three-dimensional motion estimation using multiple sensor-driven alignment of CT images and electromagnetic measurements. *Computerized Medical Imaging and Graphics*, **2014**, 38, 540-8	7.6	3
160	Robust endoscope motion estimation via an animated particle filter for electromagnetically navigated endoscopy. *IEEE Transactions on Biomedical Engineering*, **2014**, 61, 85-95	5	16
159	Automated abdominal lymph node segmentation based on RST analysis and SVM **2014**,		2
158	Development of automated extraction method of biliary tract from abdominal CT volumes based on local intensity structure analysis **2014**,		2
157	Application of a three-dimensional print of a liver in hepatectomy for small tumors invisible by intraoperative ultrasonography: preliminary experience. *World Journal of Surgery*, **2014**, 38, 3163-6	3.3	75
156	Geodesic patch-based segmentation. *Lecture Notes in Computer Science*, **2014**, 17, 666-73	0.9	22
155	Enhanced differential evolution to combine optical mouse sensor with image structural patches for robust endoscopic navigation. *Lecture Notes in Computer Science*, **2014**, 17, 340-8	0.9	2
154	Real-time and Accurate Endoscope Electromagnetic Tracking via Marker-free Registration Based on Endoscope Tip Center. *Lecture Notes in Computational Vision and Biomechanics*, **2014**, 65-76	0.3	
153	Development of Advanced Image-guided Neurosurgery with Intraoperative MRI. *Japanese Journal of Neurosurgery*, **2014**, 23, 854-861	0	
152	Hybrid electromagnetic and image-based tracking of endoscopes with guaranteed smooth output. *International Journal of Computer Assisted Radiology and Surgery*, **2013**, 8, 955-65	3.9	4
151	Assessment of COPD severity by combining pulmonary function tests and chest CT images. *International Journal of Computer Assisted Radiology and Surgery*, **2013**, 8, 353-63	3.9	2
150	Wide variation in anal sphincter muscles in cases of high- and intermediate-type male anorectal malformation. *Pediatric Surgery International*, **2013**, 29, 369-73	2.1	6
149	Externally navigated bronchoscopy using 2-D motion sensors: dynamic phantom validation. *IEEE Transactions on Medical Imaging*, **2013**, 32, 1745-64	11.7	8
148	Automated abdominal multi-organ segmentation with subject-specific atlas generation. *IEEE Transactions on Medical Imaging*, **2013**, 32, 1723-30	11.7	180

147	Anatomical annotation on vascular structure in volume rendered images. *Computerized Medical Imaging and Graphics*, **2013**, 37, 131-41	7.6	4
146	A method for automated anatomical labeling of abdominal veins extracted from 3D CT images **2013**,		2
145	Automatic abdominal lymph node detection method based on local intensity structure analysis from 3D x-ray CT images **2013**,		7
144	Multi-organ segmentation from 3D abdominal CT images using patient-specific weighted-probabilistic atlas **2013**,		5
143	Automated Ulcer Detection Method from CT Images for Computer Aided Diagnosis of Crohn's Disease. *IEICE Transactions on Information and Systems*, **2013**, E96.D, 808-818	0.6	1
142	Tissue Visualization Using X-Ray Dark-Field Imaging towards Pathological Goal. *Journal of Physics: Conference Series*, **2013**, 425, 192006	0.3	1
141	The Current Status and Perspective of Navigation Neurosurgery. *Japanese Journal of Neurosurgery*, **2013**, 22, 510-518	0	2
140	Observation-Driven Adaptive Differential Evolution for Robust Bronchoscope 3-D Motion Tracking. *Lecture Notes in Computer Science*, **2013**, 259-271	0.9	1
139	Multi-organ segmentation based on spatially-divided probabilistic atlas from 3D abdominal CT images. *Lecture Notes in Computer Science*, **2013**, 16, 165-72	0.9	49
138	Beyond current guided bronchoscopy: a robust and real-time bronchoscopic ultrasound navigation system. *Lecture Notes in Computer Science*, **2013**, 16, 388-95	0.9	5
137	Robust Real-Time Image-Guided Endoscopy: A New Discriminative Structural Similarity Measure for Video to Volume Registration. *Lecture Notes in Computer Science*, **2013**, 91-100	0.9	2
136	Traceable Particle Swarm Optimization for Electromagnetically Navigated Bronchoscopy. *Lecture Notes in Computer Science*, **2013**, 105-116	0.9	
135	Semi-automated virtual unfolded view generation method of stomach from CT volumes. *Lecture Notes in Computer Science*, **2013**, 16, 332-9	0.9	
134	Automated Detection of Mediastinal Lymph Nodes for Assistance of Transbronchial Needle Aspiration. *Lecture Notes in Computer Science*, **2013**, 167-177	0.9	
133	Development and comparison of new hybrid motion tracking for bronchoscopic navigation. *Medical Image Analysis*, **2012**, 16, 577-96	15.4	27
132	Mediastinal atlas creation from 3-D chest computed tomography images: application to automated detection and station mapping of lymph nodes. *Medical Image Analysis*, **2012**, 16, 63-74	15.4	33
131	Automatic segmentation of solitary pulmonary nodules based on local intensity structure analysis and 3D neighborhood features in 3D chest CT images **2012**,		3
130	Real-time marker-free patient registration for electromagnetic navigated bronchoscopy: a phantom study. *International Journal of Computer Assisted Radiology and Surgery*, **2012**, 7, 359-69	3.9	15

129	Automatic segmentation of pulmonary blood vessels and nodules based on local intensity structure analysis and surface propagation in 3D chest CT images. *International Journal of Computer Assisted Radiology and Surgery*, **2012**, 7, 465-82	3.9	39
128	Robust bronchoscope motion tracking using sequential Monte Carlo methods in navigated bronchoscopy: dynamic phantom and patient validation. *International Journal of Computer Assisted Radiology and Surgery*, **2012**, 7, 371-87	3.9	14
127	Multi-organ abdominal CT segmentation using hierarchically weighted subject-specific atlases. *Lecture Notes in Computer Science*, **2012**, 15, 10-7	0.9	43
126	Evaluation of deformation accuracy of a virtual pneumoperitoneum method based on clinical trials for patient-specific laparoscopic surgery simulator **2012**,		4
125	Lung lobe segmentation based on statistical atlas and graph cuts **2012**,		3
124	Automated incision line determination for virtual unfolded view generation of the stomach from 3D abdominal CT images **2012**,		1
123	Organ Segmentation from 3D Abdominal CT Images Based on Atlas Selection and Graph Cut. *Lecture Notes in Computer Science*, **2012**, 181-188	0.9	14
122	Method for Detecting Enlarged Lymph Nodes from 3D Abdominal CT Images with a Multi-shape and Multi-scale Ellipsoidal Structure Detection Filter. *Lecture Notes in Computer Science*, **2012**, 238-245	0.9	
121	Very High Contrast and Very High Spatial Resolution 2-D, 2.5-D and 3-D Breast Tissue Visualization under X-ray Dark Field Imaging. *Lecture Notes in Computer Science*, **2012**, 104-110	0.9	
120	A study on automated anatomical labeling to arteries concerning with colon from 3D abdominal CT images **2011**,		4
119	Diagnosis of the invasion depth of gastric cancer using MDCT with virtual gastroscopy: comparison with staging with endoscopic ultrasound. *American Journal of Roentgenology*, **2011**, 197, 867-75	5.4	37
118	A novel bronchoscope tracking method for bronchoscopic navigation using a low cost optical mouse sensor **2011**,		1
117	On scale invariant features and sequential Monte Carlo sampling for bronchoscope tracking **2011**,		1
116	Automatic segmentation and identification of solitary pulmonary nodules on follow-up CT scans based on local intensity structure analysis and non-rigid image registration **2011**,		2
115	Modified Hybrid Bronchoscope Tracking Based on Sequential Monte Carlo Sampler: Dynamic Phantom Validation. *Lecture Notes in Computer Science*, **2011**, 409-421	0.9	7
114	Bronchoscopy navigation beyond electromagnetic tracking systems: a novel bronchoscope tracking prototype. *Lecture Notes in Computer Science*, **2011**, 14, 194-202	0.9	9
113	Deformable registration of bronchoscopic video sequences to CT volumes with guaranteed smooth output. *Lecture Notes in Computer Science*, **2011**, 14, 17-24	0.9	6
112	The Current Status of Intraoperative MRI and Its Future Perspective(Operation Suite in 21st Century). *Japanese Journal of Neurosurgery*, **2011**, 20, 259-269	0	

111	Synchronized Display of Virtual Colonoscopic Views in Supine and Prone CT Images. *Lecture Notes in Computer Science*, **2011**, 126-133	0.9	
110	4. Medical Image Diagnosis Assistance by Using 3-D Image Information. *Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers*, **2011**, 65, 448-452	0	
109	ManiSMC: a new method using manifold modeling and sequential Monte Carlo sampler for boosting navigated bronchoscopy. *Lecture Notes in Computer Science*, **2011**, 14, 248-55	0.9	3
108	Towards hybrid bronchoscope tracking under respiratory motion: evaluation on a dynamic motion phantom **2010**,		18
107	Adaptive model based pulmonary artery segmentation in 3D chest CT **2010**,		5
106	Blood vessel segmentation using line-direction vector based on Hessian analysis **2010**,		3
105	Haustral fold registration in CT colonography and its application to registration of virtual stretched view of the colon **2010**,		9
104	An Easy Method for Compensating Rotation Error between Virtual Endoscopic Images and Real Endoscopic Images in Flexible Neuroendoscopic Surgery Navigation. *Journal of Japan Society of Computer Aided Surgery*, **2010**, 12, 65-77	0.1	
103	Automatic detection of informative frames from wireless capsule endoscopy images. *Medical Image Analysis*, **2010**, 14, 449-70	15.4	55
102	Marker-Free Registration for Electromagnetic Navigation Bronchoscopy under Respiratory Motion. *Lecture Notes in Computer Science*, **2010**, 237-246	0.9	6
101	Automated Nomenclature of Upper Abdominal Arteries for Displaying Anatomical Names on Virtual Laparoscopic Images. *Lecture Notes in Computer Science*, **2010**, 353-362	0.9	10
100	An Application Driven Comparison of Several Feature Extraction Algorithms in Bronchoscope Tracking During Navigated Bronchoscopy. *Lecture Notes in Computer Science*, **2010**, 475-484	0.9	4
99	Direct Co-calibration of Endobronchial Ultrasound and Video. *Lecture Notes in Computer Science*, **2010**, 513-520	0.9	1
98	An improved method for compensating ultra-tiny electromagnetic tracker utilizing position and orientation information and its application to a flexible neuroendoscopic surgery navigation system **2009**,		3
97	A method for accelerating bronchoscope tracking based on image registration by using GPU **2009**,		2
96	Computer-aided diagnosis of lung cancer: definition and detection of ground-glass opacity type of nodules by high-resolution computed tomography. *Japanese Journal of Radiology*, **2009**, 27, 91-9	2.9	18
95	Selective image similarity measure for bronchoscope tracking based on image registration. *Medical Image Analysis*, **2009**, 13, 621-33	15.4	49
94	Unexpectedly deformed anal sphincter in low-type anorectal malformation. *Journal of Pediatric Surgery*, **2009**, 44, 2375-9	2.6	4

93	Digital bowel cleansing free colonic polyp detection method for fecal tagging CT colonography. *Academic Radiology*, **2009**, 16, 486-94	4.3	14
92	Automatic mediastinal lymph node detection in chest CT **2009**,		10
91	Haustral fold detection method for CT colonography based on difference filter along colon centerline **2009**,		2
90	Automated anatomical labeling of bronchial branches extracted from CT datasets based on machine learning and combination optimization and its application to bronchoscope guidance. *Lecture Notes in Computer Science*, **2009**, 12, 707-14	0.9	13
89	Refraction-based 2D, 2.5D and 3D medical imaging: stepping forward to a clinical trial. *European Journal of Radiology*, **2008**, 68, S32-6	4.7	10
88	Extraction of teniae coli from CT volumes for assisting virtual colonoscopy **2008**,		7
87	Lung lobe and segmental lobe extraction from 3D chest CT datasets based on figure decomposition and Voronoi division **2008**,		2
86	3-D reconstruction and virtual ductoscopy of high-grade ductal carcinoma in situ of the breast with casting type calcifications using refraction-based X-ray CT. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **2008**, 452, 41-7	5.1	15
85	Interactions of perceptual and conceptual processing: Expertise in medical image diagnosis. *International Journal of Human Computer Studies*, **2008**, 66, 370-390	4.6	26
84	Augmented Display of Anatomical Names of Bronchial Branches for Bronchoscopy Assistance. *Lecture Notes in Computer Science*, **2008**, 377-384	0.9	2
83	Navigation-based Intelligent Computer-aided Diagnosis. *Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers*, **2008**, 62, 488-492	0	
82	Voice Activity Detection for Driver Using Audio-Visual Integration. *Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers*, **2008**, 62, 435-441	0	1
81	Improvement of accuracy of marker-free bronchoscope tracking using electromagnetic tracker based on bronchial branch information. *Lecture Notes in Computer Science*, **2008**, 11, 535-42	0.9	4
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