

Kensaku Mori

List of Publications by Year in descending order

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Version: 2024-02-01

312
papers

6,279
citations

87723

38
h-index

88477

70
g-index

321
all docs

321
docs citations

321
times ranked

5318
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of the clinical use of artificial intelligence-assisted neoplasia detection for colonoscopy: a large-scale prospective, propensity score-matched study (with video). <i>Gastrointestinal Endoscopy</i> , 2022, 95, 155-163.	0.5	19
2	Evaluation in real-time use of artificial intelligence during colonoscopy to predict relapse of ulcerative colitis: a prospective study. <i>Gastrointestinal Endoscopy</i> , 2022, 95, 747-756.e2.	0.5	23
3	Aorta-aware GAN for non-contrast to artery contrasted CT translation and its application to abdominal aortic aneurysm detection. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 97-105.	1.7	10
4	Pre-/Intra-operative Diagnostic and Navigational Assistance Based on Multidisciplinary Computational Anatomy. , 2022, , 45-55.		0
5	Endoscopy: Computer-Aided Diagnostic System Based on Deep Learning Which Supports Endoscopists's Decision-Making on the Treatment of Colorectal Polyps. , 2022, , 337-342.		0
6	SR-CycleGAN: super-resolution of clinical CT to micro-CT level with multi-modality super-resolution loss. <i>Journal of Medical Imaging</i> , 2022, 9, 024003.	0.8	2
7	Size-reweighted cascaded fully convolutional network for substantia nigra segmentation from T2 MRI. , 2022, , .		0
8	Taking full advantage of uncertainty estimation: an uncertainty-assisted two-stage pipeline for multi-organ segmentation. , 2022, , .		0
9	Bronchial orifice tracking-based branch level estimation for bronchoscopic navigation. , 2022, , .		0
10	A cascaded fully convolutional network framework for dilated pancreatic duct segmentation. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 343-354.	1.7	7
11	Depth estimation from single-shot monocular endoscope image using image domain adaptation and edge-aware depth estimation. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2022, 10, 266-273.	1.3	3
12	Real-Time Artificial Intelligence-Based Optical Diagnosis of Neoplastic Polyps during Colonoscopy. , 2022, 1, .		36
13	Impact of artificial intelligence on colorectal polyp detection for early-career endoscopists: an international comparative study. <i>Scandinavian Journal of Gastroenterology</i> , 2022, 57, 1272-1277.	0.6	3
14	Development of a computer-aided detection system for colonoscopy and a publicly accessible large colonoscopy video database (with video). <i>Gastrointestinal Endoscopy</i> , 2021, 93, 960-967.e3.	0.5	111
15	Current status and future perspective on artificial intelligence for lower endoscopy. <i>Digestive Endoscopy</i> , 2021, 33, 273-284.	1.3	25
16	Station number assignment to abdominal lymph node for assisting gastric cancer surgery. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2021, 9, 357-362.	1.3	0
17	Artificial Intelligence System to Determine Risk of T1 Colorectal Cancer Metastasis to Lymph Node. <i>Gastroenterology</i> , 2021, 160, 1075-1084.e2.	0.6	99
18	Artificial intelligence and computer-aided diagnosis for colonoscopy: where do we stand now?. <i>Translational Gastroenterology and Hepatology</i> , 2021, 6, 0-0.	1.5	4

#	ARTICLE	IF	CITATIONS
19	Context encoder guided self-supervised siamese depth estimation based on stereo laparoscopic images. , 2021, , .		2
20	X-ray Dark-Field Imaging (XDFI)â€”a Promising Tool for 3D Virtual Histopathology. Molecular Imaging and Biology, 2021, 23, 481-494.	1.3	5
21	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.	1.7	7
22	Artificial intelligence-assisted colonic endocytoscopy for cancer recognition: a multicenter study. Endoscopy International Open, 2021, 09, E1004-E1011.	0.9	14
23	Depth-based branching level estimation for bronchoscopic navigation. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1795-1804.	1.7	7
24	Performance improvement of weakly supervised fully convolutional networks by skip connections for brain structure segmentation. Medical Physics, 2021, 48, 7215-7227.	1.6	1
25	Binary polyp-size classification based on deep-learned spatial information. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1817-1828.	1.7	9
26	Can artificial intelligence help to detect dysplasia in patients with ulcerative colitis?. Endoscopy, 2021, 53, E273-E274.	1.0	25
27	Graph Cuts Loss to Boost Model Accuracy and Generalizability for Medical Image Segmentation. , 2021, , .		5
28	Artificial Intelligence-assisted System Improves Endoscopic Identification of Colorectal Neoplasms. Clinical Gastroenterology and Hepatology, 2020, 18, 1874-1881.e2.	2.4	167
29	Artificial intelligence for magnifying endoscopy, endocytoscopy, and confocal laser endomicroscopy of the colorectum. Techniques and Innovations in Gastrointestinal Endoscopy, 2020, 22, 56-60.	0.4	1
30	A deformable model for navigated laparoscopic gastrectomy based on finite elemental method. Minimally Invasive Therapy and Allied Technologies, 2020, 29, 210-216.	0.6	1
31	CAD in lung. , 2020, , 91-107.		0
32	Tensor-cut: A tensor-based graph-cut blood vessel segmentation method and its application to renal artery segmentation. Medical Image Analysis, 2020, 60, 101623.	7.0	26
33	A visual SLAM-based bronchoscope tracking scheme for bronchoscopic navigation. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1619-1630.	1.7	16
34	Improving contrast and spatial resolution in crystal analyzerâ€”based xâ€”ray darkâ€”field imaging: Theoretical considerations and experimental demonstration. Medical Physics, 2020, 47, 5505-5513.	1.6	7
35	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.	1.7	1
36	How Far Will Clinical Application of AI Applications Advance for Colorectal Cancer Diagnosis?. Journal of the Anus, Rectum and Colon, 2020, 4, 47-50.	0.4	3

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37	Artificial Intelligence for Colorectal Polyp Detection and Characterization. Current Treatment Options in Gastroenterology, 2020, 18, 200-211.	0.3	7
38	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.	0.5	95
39	Dependence of ultrahigh resolution optical coherence tomography using supercontinuum. , 2020, , .		0
40	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.	0.6	3
41	Radiomics nomogram for predicting the malignant potential of gastrointestinal stromal tumours preoperatively. European Radiology, 2019, 29, 1074-1082.	2.3	52
42	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.	1.9	35
43	Self-supervised learning for medical image analysis using image context restoration. Medical Image Analysis, 2019, 58, 101539.	7.0	315
44	Simultaneous detection and characterization of diminutive polyps with the use of artificial intelligence during colonoscopy. VideoGIE, 2019, 4, 7-10.	0.3	51
45	Abdominal artery segmentation method from CT volumes using fully convolutional neural network. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 2069-2081.	1.7	20
46	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.	3.5	18
47	Three-dimensional reconstruction of human nipple using refraction-contrast x-ray computed Tomography. AIP Conference Proceedings, 2019, , .	0.3	2
48	Development of a New Laparoscopic Detection System for Gastric Cancer Using Near-Infrared Light-Emitting Clips with Glass Phosphor. Micromachines, 2019, 10, 81.	1.4	1
49	Discriminative Feature Selection by Optimal Manifold Search for Neoplastic Image Recognition. Lecture Notes in Computer Science, 2019, , 534-549.	1.0	0
50	Stable polyp scene classification via subsampling and residual learning from an imbalanced large dataset. Healthcare Technology Letters, 2019, 6, 237-242.	1.9	5
51	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.	0.5	165
52	Artificial intelligence and colonoscopy: Current status and future perspectives. Digestive Endoscopy, 2019, 31, 363-371.	1.3	108
53	Artificial intelligence and upper gastrointestinal endoscopy: Current status and future perspective. Digestive Endoscopy, 2019, 31, 378-388.	1.3	100
54	Tubular Structure Segmentation Using Spatial Fully Connected Network with Radial Distance Loss for 3D Medical Images. Lecture Notes in Computer Science, 2019, , 348-356.	1.0	23

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55	Intelligent Image Synthesis to Attack a Segmentation CNN Using Adversarial Learning. Lecture Notes in Computer Science, 2019, , 90-99.	1.0	12
56	Realistic endoscopic image generation method using virtual-to-real image domain translation. Healthcare Technology Letters, 2019, 6, 214-219.	1.9	13
57	Unsupervised segmentation of micro-CT images based on a hybrid of variational inference and adversarial learning. , 2019, , .		0
58	Colonoscope tracking method based on shape estimation network. , 2019, , .		1
59	Visual SLAM for bronchoscope tracking and bronchus reconstruction in bronchoscopic navigation. , 2019, , .		1
60	Advanced Endoscopic Navigation: Surgical Big Data, Methodology, and Applications. Annual Review of Biomedical Engineering, 2018, 20, 221-251.	5.7	54
61	Potential of artificial intelligence-assisted colonoscopy using an endocytoscope (with video). Digestive Endoscopy, 2018, 30, 52-53.	1.3	22
62	Artificial Intelligence-Assisted Polyp Detection for Colonoscopy: Initial Experience. Gastroenterology, 2018, 154, 2027-2029.e3.	0.6	281
63	Application of three-dimensional print in minor hepatectomy following liver partition between anterior and posterior sectors. ANZ Journal of Surgery, 2018, 88, 882-885.	0.3	16
64	Artificial intelligence may help in predicting the need for additional surgery after endoscopic resection of T1 colorectal cancer. Endoscopy, 2018, 50, 230-240.	1.0	100
65	An application of cascaded 3D fully convolutional networks for medical image segmentation. Computerized Medical Imaging and Graphics, 2018, 66, 90-99.	3.5	227
66	Regulatory Science on AI-based Medical Devices and Systems. Advanced Biomedical Engineering, 2018, 7, 118-123.	0.4	32
67	DRINet for Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2018, 37, 2453-2462.	5.4	198
68	Real-Time Use of Artificial Intelligence in Identification of Diminutive Polyps During Colonoscopy. Annals of Internal Medicine, 2018, 169, 357.	2.0	391
69	Towards Automated Colonoscopy Diagnosis: Binary Polyp Size Estimation via Unsupervised Depth Learning. Lecture Notes in Computer Science, 2018, , 611-619.	1.0	9
70	Dense volumetric detection and segmentation of mediastinal lymph nodes in chest CT images. , 2018, , .		12
71	Unsupervised pathology image segmentation using representation learning with spherical k-means. , 2018, , .		9
72	Unsupervised segmentation of 3D medical images based on clustering and deep representation learning. , 2018, , .		25

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73	Cascade classification of endocytoscopic images of colorectal lesions for automated pathological diagnosis. , 2018, , .		1
74	Towards dense volumetric pancreas segmentation in CT using 3D fully convolutional networks. , 2018, , .		7
75	Crystal-based X-ray Medical Imaging Using Synchrotron Radiation and Its Future Prospect. , 2018, , 287-342.		2
76	Machine learning-based colon deformation estimation method for colonoscope tracking. , 2018, , .		1
77	Automatic segmentation of eyeball structures from micro-CT images based on sparse annotation. , 2018, , .		1
78	Fine segmentation of tiny blood vessel based on full connected conditional random field. , 2018, , .		1
79	Develop and validate a finite element method model for deformation matching of laparoscopic gastrectomy navigation. , 2018, , .		0
80	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.	0.7	2
81	Low-rank and sparse decomposition based shape model and probabilistic atlas for automatic pathological organ segmentation. Medical Image Analysis, 2017, 38, 30-49.	7.0	62
82	Computer-aided diagnosis of mammographic masses using geometric verification-based image retrieval. , 2017, , .		1
83	An improved method for pancreas segmentation using SLIC and interactive region merging. Proceedings of SPIE, 2017, , .	0.8	2
84	Optimal port placement planning method for laparoscopic gastrectomy. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 1677-1684.	1.7	8
85	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.	1.7	65
86	Accuracy of diagnosing invasive colorectal cancer using computer-aided endocytoscopy. Endoscopy, 2017, 49, 798-802.	1.0	109
87	Multi-atlas pancreas segmentation: Atlas selection based on vessel structure. Medical Image Analysis, 2017, 39, 18-28.	7.0	70
88	Hessian-assisted supervoxel: structure-oriented voxel clustering and application to mediastinal lymph node detection from CT volumes. Proceedings of SPIE, 2017, , .	0.8	1
89	Airway extraction from 3D chest CT volumes based on iterative extension of VOI enhanced by cavity enhancement filter. Proceedings of SPIE, 2017, , .	0.8	0
90	Extracellular matrix directions estimation of the heart on micro-focus x-ray CT volumes. Proceedings of SPIE, 2017, , .	0.8	0

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91	Tracking and Segmentation of the Airways in Chest CT Using a Fully Convolutional Network. Lecture Notes in Computer Science, 2017, , 198-207.	1.0	25
92	Motion Vector for Outlier Elimination in Feature Matching and Its Application in SLAM Based Laparoscopic Tracking. Lecture Notes in Computer Science, 2017, , 60-69.	1.0	1
93	Extraction of membrane structure in eyeball from MR volumes. Proceedings of SPIE, 2017, , .	0.8	0
94	Comparison of the deep-learning-based automated segmentation methods for the head sectioned images of the virtual Korean human project. , 2017, , .		2
95	Automatic anatomical labeling of arteries and veins using conditional random fields. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 1041-1048.	1.7	11
96	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.	1.7	30
97	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.	1.7	9
98	Supervoxel classification forests for estimating pairwise image correspondences. Pattern Recognition, 2017, 63, 561-569.	5.1	21
99	Automatic segmentation of head anatomical structures from sparsely-annotated images. , 2017, , .		0
100	Joint Supervoxel Classification Forest for Weakly-Supervised Organ Segmentation. Lecture Notes in Computer Science, 2017, , 79-87.	1.0	4
101	Micro-CT Guided 3D Reconstruction of Histological Images. Lecture Notes in Computer Science, 2017, , 93-101.	1.0	3
102	3D FCN Feature Driven Regression Forest-Based Pancreas Localization and Segmentation. Lecture Notes in Computer Science, 2017, , 222-230.	1.0	4
103	Automated mediastinal lymph node detection from CT volumes based on intensity targeted radial structure tensor analysis. Journal of Medical Imaging, 2017, 4, 1.	0.8	7
104	Understanding Medical Images Based on Computational Anatomy Models. , 2017, , 151-284.		2
105	Applied Technologies and Systems. , 2017, , 285-352.		0
106	Computer Aided Surgery and Artificial Intelligence/Machine Learning. Journal of Japan Society of Computer Aided Surgery, 2017, 19, 147-150.	0.1	0
107	Automated torso organ segmentation from 3D CT images using conditional random field. , 2016, , .		0
108	Position-based adjustment of landmark-based correspondence finding in electromagnetic sensor-based colonoscope tracking method. Proceedings of SPIE, 2016, , .	0.8	0

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109	Precise renal artery segmentation for estimation of renal vascular dominant regions. , 2016, , .		3
110	Intensity targeted radial structure tensor analysis and its application for automated mediastinal lymph node detection from CT volumes. Proceedings of SPIE, 2016, , .	0.8	0
111	Ensemble lymph node detection from CT volumes combining local intensity structure analysis approach and appearance learning approach. Proceedings of SPIE, 2016, , .	0.8	2
112	Dark-Field Imaging: Recent developments and potential clinical applications. Physica Medica, 2016, 32, 1801-1812.	0.4	22
113	Progressive internal landmark registration for surgical navigation in laparoscopic gastrectomy for gastric cancer. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 837-845.	1.7	31
114	Characterization of Colorectal Lesions Using a Computer-Aided Diagnostic System for Narrow-Band Imaging Endocytoscopy. Gastroenterology, 2016, 150, 1531-1532.e3.	0.6	158
115	Impact of an automated system for endocytoscopic diagnosis of small colorectal lesions: an international web-based study. Endoscopy, 2016, 48, 1110-1118.	1.0	98
116	Cascade Registration of Micro CT Volumes Taken in Multiple Resolutions. Lecture Notes in Computer Science, 2016, , 269-280.	1.0	1
117	From macro-scale to micro-scale computational anatomy: a perspective on the next 20 years. Medical Image Analysis, 2016, 33, 159-164.	7.0	12
118	Accurate airway segmentation based on intensity structure analysis and graph-cut. , 2016, , .		3
119	An improved robust hand-eye calibration for endoscopy navigation system. , 2016, , .		0
120	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, 827-836.	1.7	33
121	Structure Specific Atlas Generation and Its Application to Pancreas Segmentation from Contrast-enhanced Abdominal CT Volumes. Lecture Notes in Computer Science, 2016, , 47-56.	1.0	5
122	Regression Forest-Based Atlas Localization and Direction Specific Atlas Generation for Pancreas Segmentation. Lecture Notes in Computer Science, 2016, , 556-563.	1.0	20
123	Tensor-Based Graph-Cut in Riemannian Metric Space and Its Application to Renal Artery Segmentation. Lecture Notes in Computer Science, 2016, , 353-361.	1.0	2
124	Tracking Accuracy Evaluation of Electromagnetic Sensor-Based Colonoscope Tracking Method. Lecture Notes in Computer Science, 2016, , 101-108.	1.0	0
125	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	0
126	A study on improvement of airway segmentation using Hybrid method. , 2015, , .		0

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127	Discriminative dictionary learning for abdominal multi-organ segmentation. Medical Image Analysis, 2015, 23, 92-104.	7.0	122
128	Connection method of separated luminal regions of intestine from CT volumes. Proceedings of SPIE, 2015, , .	0.8	0
129	Automated torso organ segmentation from 3D CT images using structured perceptron and dual decomposition. , 2015, , .		0
130	Pancreas segmentation from 3D abdominal CT images using patient-specific weighted subspecial probabilistic atlases. Proceedings of SPIE, 2015, , .	0.8	2
131	Development of new devices for detection of gastric cancer on laparoscopic surgery using near-infrared light. Proceedings of SPIE, 2015, , .	0.8	0
132	Automated branching pattern report generation for laparoscopic surgery assistance. , 2015, , .		0
133	Pneumoperitoneum simulation based on mass-spring-damper models for laparoscopic surgical planning. Journal of Medical Imaging, 2015, 2, 044004.	0.8	7
134	A model-free method for annotating on vascular structure in volume rendered images. Proceedings of SPIE, 2015, , .	0.8	0
135	Investigation of optimal feature value set in false positive reduction process for automated abdominal lymph node detection method. , 2015, , .		0
136	Observation-driven adaptive differential evolution and its application to accurate and smooth bronchoscope three-dimensional motion tracking. Medical Image Analysis, 2015, 24, 282-296.	7.0	15
137	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, 147-157.	2.6	6
138	Automated anatomical labeling of abdominal arteries and hepatic portal system extracted from abdominal CT volumes. Medical Image Analysis, 2015, 20, 152-161.	7.0	20
139	Meclozine Promotes Longitudinal Skeletal Growth in Transgenic Mice with Achondroplasia Carrying a Gain-of-Function Mutation in the FGFR3 Gene. Endocrinology, 2015, 156, 548-554.	1.4	44
140	Surgical and Radiological Studies on the Length of the Hepatic Ducts. World Journal of Surgery, 2015, 39, 2983-2989.	0.8	21
141	Supervoxel Classification Forests for Estimating Pairwise Image Correspondences. Lecture Notes in Computer Science, 2015, , 94-101.	1.0	6
142	Development and clinical application of surgical navigation system for laparoscopic hepatectomy. Proceedings of SPIE, 2015, , .	0.8	0
143	Automated abdominal lymph node segmentation based on RST analysis and SVM. Proceedings of SPIE, 2014, , .	0.8	2
144	Development of automated extraction method of biliary tract from abdominal CT volumes based on local intensity structure analysis. , 2014, , .		2

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145	Editorial for the MEDIA special issue on MICCAI 2013. Medical Image Analysis, 2014, 18, 1261.	7.0	0
146	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, 3163-3166.	0.8	95
147	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, 1248-1261.	5.4	29
148	Diversity-Enhanced Condensation Algorithm and Its Application for Robust and Accurate Endoscope Three-Dimensional Motion Tracking. , 2014, , .		2
149	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, 540-548.	3.5	4
150	Robust Endoscope Motion Estimation Via an Animated Particle Filter for Electromagnetically Navigated Endoscopy. IEEE Transactions on Biomedical Engineering, 2014, 61, 85-95.	2.5	19
151	Colonoscopy navigation system using colonoscopy tracking method based on line registration. , 2014, , .		0
152	Adaptive fiducial-free registration using multiple point selection for real-time electromagnetically navigated endoscopy. Proceedings of SPIE, 2014, , .	0.8	0
153	Geodesic Patch-Based Segmentation. Lecture Notes in Computer Science, 2014, 17, 666-673.	1.0	29
154	Enhanced Differential Evolution to Combine Optical Mouse Sensor with Image Structural Patches for Robust Endoscopic Navigation. Lecture Notes in Computer Science, 2014, 17, 340-348.	1.0	2
155	Development of Advanced Image-guided Neurosurgery with Intraoperative MRI. Japanese Journal of Neurosurgery, 2014, 23, 854-861.	0.0	0
156	Hybrid electromagnetic and image-based tracking of endoscopes with guaranteed smooth output. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 955-965.	1.7	8
157	Assessment of COPD severity by combining pulmonary function tests and chest CT images. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 353-363.	1.7	3
158	Wide variation in anal sphincter muscles in cases of high- and intermediate-type male anorectal malformation. Pediatric Surgery International, 2013, 29, 369-373.	0.6	8
159	Externally Navigated Bronchoscopy Using 2-D Motion Sensors: Dynamic Phantom Validation. IEEE Transactions on Medical Imaging, 2013, 32, 1745-1764.	5.4	9
160	Automated Abdominal Multi-Organ Segmentation With Subject-Specific Atlas Generation. IEEE Transactions on Medical Imaging, 2013, 32, 1723-1730.	5.4	225
161	Anatomical annotation on vascular structure in volume rendered images. Computerized Medical Imaging and Graphics, 2013, 37, 131-141.	3.5	7
162	Editorial for the MEDIA special issue on MICCAI 2012. Medical Image Analysis, 2013, 17, 711.	7.0	0

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163	A method for automated anatomical labeling of abdominal veins extracted from 3D CT images. , 2013, , .		2
164	Supine and prone registration of the colon for CT colonography based on dynamic programming technique. Proceedings of SPIE, 2013, , .	0.8	0
165	Automatic abdominal lymph node detection method based on local intensity structure analysis from 3D x-ray CT images. Proceedings of SPIE, 2013, , .	0.8	9
166	Multi-organ segmentation from 3D abdominal CT images using patient-specific weighted-probabilistic atlas. Proceedings of SPIE, 2013, , .	0.8	9
167	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.	0.4	1
168	Tissue Visualization Using X-Ray Dark-Field Imaging towards Pathological Goal. Journal of Physics: Conference Series, 2013, 425, 192006.	0.3	1
169	The Current Status and Perspective of Navigation Neurosurgery. Japanese Journal of Neurosurgery, 2013, 22, 510-518.	0.0	2
170	Observation-Driven Adaptive Differential Evolution for Robust Bronchoscope 3-D Motion Tracking. Lecture Notes in Computer Science, 2013, , 259-271.	1.0	1
171	Multi-organ Segmentation Based on Spatially-Divided Probabilistic Atlas from 3D Abdominal CT Images. Lecture Notes in Computer Science, 2013, 16, 165-172.	1.0	62
172	Beyond Current Guided Bronchoscopy: A Robust and Real-Time Bronchoscopic Ultrasound Navigation System. Lecture Notes in Computer Science, 2013, 16, 388-395.	1.0	7
173	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.	1.0	2
174	Traceable Particle Swarm Optimization for Electromagnetically Navigated Bronchoscopy. Lecture Notes in Computer Science, 2013, , 105-116.	1.0	0
175	Semi-automated Virtual Unfolded View Generation Method of Stomach from CT Volumes. Lecture Notes in Computer Science, 2013, 16, 332-339.	1.0	0
176	Multi-organ Abdominal CT Segmentation Using Hierarchically Weighted Subject-Specific Atlases. Lecture Notes in Computer Science, 2012, 15, 10-17.	1.0	50
177	A novel external bronchoscope tracking model beyond electromagnetic localizers: dynamic phantom validation. , 2012, , .		0
178	Evaluation of deformation accuracy of a virtual pneumoperitoneum method based on clinical trials for patient-specific laparoscopic surgery simulator. Proceedings of SPIE, 2012, , .	0.8	4
179	Lung lobe segmentation based on statistical atlas and graph cuts. Proceedings of SPIE, 2012, , .	0.8	3
180	Automated incision line determination for virtual unfolded view generation of the stomach from 3D abdominal CT images. Proceedings of SPIE, 2012, , .	0.8	1

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181	Automatic segmentation of solitary pulmonary nodules based on local intensity structure analysis and 3D neighborhood features in 3D chest CT images. Proceedings of SPIE, 2012, , .	0.8	3
182	Real-time marker-free patient registration for electromagnetic navigated bronchoscopy: a phantom study. International Journal of Computer Assisted Radiology and Surgery, 2012, 7, 359-369.	1.7	19
183	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, 465-482.	1.7	48
184	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, 371-387.	1.7	17
185	Development and comparison of new hybrid motion tracking for bronchoscopic navigation. Medical Image Analysis, 2012, 16, 577-596.	7.0	34
186	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.	7.0	40
187	Organ Segmentation from 3D Abdominal CT Images Based on Atlas Selection and Graph Cut. Lecture Notes in Computer Science, 2012, , 181-188.	1.0	17
188	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.	1.0	0
189	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.	1.0	0
190	A study on quantifying COPD severity by combining pulmonary function tests and CT image analysis. , 2011, , .		0
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192	A study on automated anatomical labeling to arteries concerning with colon from 3D abdominal CT images. Proceedings of SPIE, 2011, , .	0.8	6
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