

Kensaku Mori

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272
papers

4,090
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56
g-index

321
ext. papers

5,174
ext. citations

3.7
avg, IF

5.49
L-index

#	Paper	IF	Citations
272	Real-Time Use of Artificial Intelligence in Identification of Diminutive Polyps During Colonoscopy: A Prospective Study. <i>Annals of Internal Medicine</i> , 2018 , 169, 357-366	8	240
271	Artificial Intelligence-Assisted Polyp Detection for Colonoscopy: Initial Experience. <i>Gastroenterology</i> , 2018 , 154, 2027-2029.e3	13.3	180
270	Automated abdominal multi-organ segmentation with subject-specific atlas generation. <i>IEEE Transactions on Medical Imaging</i> , 2013 , 32, 1723-30	11.7	180
269	An application of cascaded 3D fully convolutional networks for medical image segmentation. <i>Computerized Medical Imaging and Graphics</i> , 2018 , 66, 90-99	7.6	144
268	Self-supervised learning for medical image analysis using image context restoration. <i>Medical Image Analysis</i> , 2019 , 58, 101539	15.4	117
267	Tracking of a bronchoscope using epipolar geometry analysis and intensity-based image registration of real and virtual endoscopic images. <i>Medical Image Analysis</i> , 2002 , 6, 321-36	15.4	113
266	Characterization of Colorectal Lesions Using a Computer-Aided Diagnostic System for Narrow-Band Imaging Endocytoscopy. <i>Gastroenterology</i> , 2016 , 150, 1531-1532.e3	13.3	112
265	Fully automated diagnostic system with artificial intelligence using endocytoscopy to identify the presence of histologic inflammation associated with ulcerative colitis (with video). <i>Gastrointestinal Endoscopy</i> , 2019 , 89, 408-415	5.2	110
264	DRINet for Medical Image Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 2453-2462	11.7	105
263	Discriminative dictionary learning for abdominal multi-organ segmentation. <i>Medical Image Analysis</i> , 2015 , 23, 92-104	15.4	100
262	Automated anatomical labeling of the bronchial branch and its application to the virtual bronchoscopy system. <i>IEEE Transactions on Medical Imaging</i> , 2000 , 19, 103-14	11.7	90
261	Fast generation of digitally reconstructed radiographs using attenuation fields with application to 2D-3D image registration. <i>IEEE Transactions on Medical Imaging</i> , 2005 , 24, 1441-54	11.7	89
260	Artificial Intelligence-assisted System Improves Endoscopic Identification of Colorectal Neoplasms. <i>Clinical Gastroenterology and Hepatology</i> , 2020 , 18, 1874-1881.e2	6.9	85
259	Impact of an automated system for endocytoscopic diagnosis of small colorectal lesions: an international web-based study. <i>Endoscopy</i> , 2016 , 48, 1110-1118	3.4	77
258	Accuracy of diagnosing invasive colorectal cancer using computer-aided endocytoscopy. <i>Endoscopy</i> , 2017 , 49, 798-802	3.4	75
257	Application of a three-dimensional print of a liver in hepatectomy for small tumors invisible by intraoperative ultrasonography: preliminary experience. <i>World Journal of Surgery</i> , 2014 , 38, 3163-6	3.3	75
256	Artificial intelligence and colonoscopy: Current status and future perspectives. <i>Digestive Endoscopy</i> , 2019 , 31, 363-371	3.7	67

255	Artificial intelligence and upper gastrointestinal endoscopy: Current status and future perspective. <i>Digestive Endoscopy</i> , 2019 , 31, 378-388	3.7	63
254	Automatic detection of informative frames from wireless capsule endoscopy images. <i>Medical Image Analysis</i> , 2010 , 14, 449-70	15.4	55
253	Artificial intelligence may help in predicting the need for additional surgery after endoscopic resection of T1 colorectal cancer. <i>Endoscopy</i> , 2018 , 50, 230-240	3.4	51
252	Selective image similarity measure for bronchoscope tracking based on image registration. <i>Medical Image Analysis</i> , 2009 , 13, 621-33	15.4	49
251	Multi-organ segmentation based on spatially-divided probabilistic atlas from 3D abdominal CT images. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 165-72	0.9	49
250	Low-rank and sparse decomposition based shape model and probabilistic atlas for automatic pathological organ segmentation. <i>Medical Image Analysis</i> , 2017 , 38, 30-49	15.4	46
249	Multipoint Measuring System for Video and Sound - 100-camera and microphone system 2006 ,		46
248	Multi-atlas pancreas segmentation: Atlas selection based on vessel structure. <i>Medical Image Analysis</i> , 2017 , 39, 18-28	15.4	44
247	Accuracy of computer-aided diagnosis based on narrow-band imaging endocytoscopy for diagnosing colorectal lesions: comparison with experts. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017 , 12, 757-766	3.9	43
246	Cost savings in colonoscopy with artificial intelligence-aided polyp diagnosis: an add-on analysis of a clinical trial (with video). <i>Gastrointestinal Endoscopy</i> , 2020 , 92, 905-911.e1	5.2	43
245	Multi-organ abdominal CT segmentation using hierarchically weighted subject-specific atlases. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 10-7	0.9	43
244	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	5.2	43
243	Automatic segmentation of pulmonary blood vessels and nodules based on local intensity structure analysis and surface propagation in 3D chest CT images. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2012 , 7, 465-82	3.9	39
242	Simultaneous detection and characterization of diminutive polyps with the use of artificial intelligence during colonoscopy. <i>VideoGIE</i> , 2019 , 4, 7-10	1.1	38
241	Diagnosis of the invasion depth of gastric cancer using MDCT with virtual gastroscopy: comparison with staging with endoscopic ultrasound. <i>American Journal of Roentgenology</i> , 2011 , 197, 867-75	5.4	37
240	Progressive attenuation fields: fast 2D-3D image registration without precomputation. <i>Medical Physics</i> , 2005 , 32, 2870-80	4.4	36
239	Hybrid bronchoscope tracking using a magnetic tracking sensor and image registration. <i>Lecture Notes in Computer Science</i> , 2005 , 8, 543-50	0.9	36
238	Meclozine promotes longitudinal skeletal growth in transgenic mice with achondroplasia carrying a gain-of-function mutation in the FGFR3 gene. <i>Endocrinology</i> , 2015 , 156, 548-54	4.8	35

237	Radiomics nomogram for predicting the malignant potential of gastrointestinal stromal tumours preoperatively. <i>European Radiology</i> , 2019 , 29, 1074-1082	8	34
236	Mediastinal atlas creation from 3-D chest computed tomography images: application to automated detection and station mapping of lymph nodes. <i>Medical Image Analysis</i> , 2012 , 16, 63-74	15.4	33
235	Artificial Intelligence System to Determine Risk of T1 Colorectal Cancer Metastasis to Lymph Node. <i>Gastroenterology</i> , 2021 , 160, 1075-1084.e2	13.3	30
234	Advanced Endoscopic Navigation: Surgical Big Data, Methodology, and Applications. <i>Annual Review of Biomedical Engineering</i> , 2018 , 20, 221-251	12	28
233	Development and comparison of new hybrid motion tracking for bronchoscopic navigation. <i>Medical Image Analysis</i> , 2012 , 16, 577-96	15.4	27
232	Interactions of perceptual and conceptual processing: Expertise in medical image diagnosis. <i>International Journal of Human Computer Studies</i> , 2008 , 66, 370-390	4.6	26
231	Clinical application of a surgical navigation system based on virtual laparoscopy in laparoscopic gastrectomy for gastric cancer. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016 , 11, 827-36	3.9	23
230	Fast software-based volume rendering using multimedia instructions on PC platforms and its application to virtual endoscopy 2003 ,		23
229	Progressive internal landmark registration for surgical navigation in laparoscopic gastrectomy for gastric cancer. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016 , 11, 837-45	3.9	23
228	Wavelength Dependence of Ultrahigh-Resolution Optical Coherence Tomography Using Supercontinuum for Biomedical Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-15	3.8	22
227	Geodesic patch-based segmentation. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 666-73	0.9	22
226	Automated extraction of lymph nodes from 3-D abdominal CT images using 3-D minimum directional difference filter 2007 , 10, 336-43		21
225	Regulatory Science on AI-based Medical Devices and Systems. <i>Advanced Biomedical Engineering</i> , 2018 , 7, 118-123	0.7	20
224	A discriminative structural similarity measure and its application to video-volume registration for endoscope three-dimensional motion tracking. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 1248-61	11.7	19
223	Automatic segmentation of airway tree based on local intensity filter and machine learning technique in 3D chest CT volume. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017 , 12, 245-261	3.9	19
222	Supervoxel classification forests for estimating pairwise image correspondences. <i>Pattern Recognition</i> , 2017 , 63, 561-569	7.7	18
221	Towards hybrid bronchoscope tracking under respiratory motion: evaluation on a dynamic motion phantom 2010 ,		18
220	Computer-aided diagnosis of lung cancer: definition and detection of ground-glass opacity type of nodules by high-resolution computed tomography. <i>Japanese Journal of Radiology</i> , 2009 , 27, 91-9	2.9	18

219	Tracking and Segmentation of the Airways in Chest CT Using a Fully Convolutional Network. <i>Lecture Notes in Computer Science</i> , 2017 , 198-207	0.9	17
218	Unsupervised segmentation of 3D medical images based on clustering and deep representation learning 2018 ,		17
217	Surgical and Radiological Studies on the Length of the Hepatic Ducts. <i>World Journal of Surgery</i> , 2015 , 39, 2983-9	3.3	16
216	Robust endoscope motion estimation via an animated particle filter for electromagnetically navigated endoscopy. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 85-95	5	16
215	Potential of artificial intelligence-assisted colonoscopy using an endocytoscope (with video). <i>Digestive Endoscopy</i> , 2018 , 30 Suppl 1, 52-53	3.7	15
214	Real-time marker-free patient registration for electromagnetic navigated bronchoscopy: a phantom study. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2012 , 7, 359-69	3.9	15
213	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. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2008 , 452, 41-7	5.1	15
212	Dark-Field Imaging: Recent developments and potential clinical applications. <i>Physica Medica</i> , 2016 , 32, 1801-1812	2.7	15
211	Robust bronchoscope motion tracking using sequential Monte Carlo methods in navigated bronchoscopy: dynamic phantom and patient validation. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2012 , 7, 371-87	3.9	14
210	Digital bowel cleansing free colonic polyp detection method for fecal tagging CT colonography. <i>Academic Radiology</i> , 2009 , 16, 486-94	4.3	14
209	Three-dimensional computed tomographic images of pelvic muscle in anorectal malformations. <i>Journal of Pediatric Surgery</i> , 2005 , 40, 1931-4	2.6	14
208	Automated extraction of aorta and pulmonary artery in mediastinum from 3D chest x-ray CT images without contrast medium 2002 , 4684, 1496		14
207	Tubular Structure Segmentation Using Spatial Fully Connected Network with Radial Distance Loss for 3D Medical Images. <i>Lecture Notes in Computer Science</i> , 2019 , 348-356	0.9	14
206	Regression Forest-Based Atlas Localization and Direction Specific Atlas Generation for Pancreas Segmentation. <i>Lecture Notes in Computer Science</i> , 2016 , 556-563	0.9	14
205	Organ Segmentation from 3D Abdominal CT Images Based on Atlas Selection and Graph Cut. <i>Lecture Notes in Computer Science</i> , 2012 , 181-188	0.9	14
204	Automated anatomical labeling of abdominal arteries and hepatic portal system extracted from abdominal CT volumes. <i>Medical Image Analysis</i> , 2015 , 20, 152-61	15.4	13
203	Application of three-dimensional print in minor hepatectomy following liver partition between anterior and posterior sectors. <i>ANZ Journal of Surgery</i> , 2018 , 88, 882-885	1	13
202	Three-dimensional image reconstruction of an anorectal malformation with multidetector-row helical computed tomography technology. <i>Pediatric Surgery International</i> , 2003 , 19, 167-71	2.1	13

201	Automated Extraction and Visualization of Bronchus from 3D CT Images of Lung. <i>Lecture Notes in Computer Science</i> , 1995 , 542-548	0.9	13
200	Automated anatomical labeling of bronchial branches extracted from CT datasets based on machine learning and combination optimization and its application to bronchoscope guidance. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 707-14	0.9	13
199	A method for detecting undisplayed regions in virtual colonoscopy and its application to quantitative evaluation of fly-through methods. <i>Academic Radiology</i> , 2003 , 10, 1380-91	4.3	12
198	Fast and Accurate Bronchoscope Tracking Using Image Registration and Motion Prediction. <i>Lecture Notes in Computer Science</i> , 2004 , 551-558	0.9	12
197	Tensor-cut: A tensor-based graph-cut blood vessel segmentation method and its application to renal artery segmentation. <i>Medical Image Analysis</i> , 2020 , 60, 101623	15.4	12
196	Observation-driven adaptive differential evolution and its application to accurate and smooth bronchoscope three-dimensional motion tracking. <i>Medical Image Analysis</i> , 2015 , 24, 282-296	15.4	11
195	A method for bronchoscope tracking using position sensor without fiducial markers 2007 , 6511, 168		11
194	Automatic mediastinal lymph node detection in chest CT 2009 ,		10
193	Refraction-based 2D, 2.5D and 3D medical imaging: stepping forward to a clinical trial. <i>European Journal of Radiology</i> , 2008 , 68, S32-6	4.7	10
192	Automated Nomenclature of Upper Abdominal Arteries for Displaying Anatomical Names on Virtual Laparoscopic Images. <i>Lecture Notes in Computer Science</i> , 2010 , 353-362	0.9	10
191	Can artificial intelligence help to detect dysplasia in patients with ulcerative colitis?. <i>Endoscopy</i> , 2021 , 53, E273-E274	3.4	10
190	Distance Transformation and Skeletonization of 3D Pictures and Their Applications to Medical Images. <i>Lecture Notes in Computer Science</i> , 2001 , 412-429	0.9	10
189	Abdominal artery segmentation method from CT volumes using fully convolutional neural network. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019 , 14, 2069-2081	3.9	9
188	Haustral fold registration in CT colonography and its application to registration of virtual stretched view of the colon 2010 ,		9
187	Extraction of bronchus regions from 3D chest X-ray CT images by using structural features of bronchus. <i>International Congress Series</i> , 2003 , 1256, 240-245		9
186	Bronchoscopy navigation beyond electromagnetic tracking systems: a novel bronchoscope tracking prototype. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 194-202	0.9	9
185	Automated Extraction and Visualization of Bronchus from 3D CT Images of Lung 1995 , 542		9
184	A Method for Tracking the Camera Motion of Real Endoscope by Epipolar Geometry Analysis and Virtual Endoscopy System. <i>Lecture Notes in Computer Science</i> , 2001 , 1-8	0.9	9

183	Externally navigated bronchoscopy using 2-D motion sensors: dynamic phantom validation. <i>IEEE Transactions on Medical Imaging</i> , 2013 , 32, 1745-64	11.7	8
182	Robust colonoscope tracking method for colon deformations utilizing coarse-to-fine correspondence findings. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017 , 12, 39-50	3.9	8
181	New Image Similarity Measure for Bronchoscope Tracking Based on Image Registration. <i>Lecture Notes in Computer Science</i> , 2003 , 399-406	0.9	8
180	Fast volume rendering based on software optimisation using multimedia instructions on PC platforms 2002 , 467-472		8
179	Method for tracking camera motion of real endoscope by using virtual endoscopy system 2000 , 3978, 122		8
178	Towards Automated Colonoscopy Diagnosis: Binary Polyp Size Estimation via Unsupervised Depth Learning. <i>Lecture Notes in Computer Science</i> , 2018 , 611-619	0.9	8
177	Virtual Pneumoperitoneum for Generating Virtual Laparoscopic Views Based on Volumetric Deformation. <i>Lecture Notes in Computer Science</i> , 2004 , 559-567	0.9	8
176	Realistic endoscopic image generation method using virtual-to-real image-domain translation. <i>Healthcare Technology Letters</i> , 2019 , 6, 214-219	1.9	8
175	Pneumoperitoneum simulation based on mass-spring-damper models for laparoscopic surgical planning. <i>Journal of Medical Imaging</i> , 2015 , 2, 044004	2.6	7
174	Automatic abdominal lymph node detection method based on local intensity structure analysis from 3D x-ray CT images 2013 ,		7
173	Extraction of teniae coli from CT volumes for assisting virtual colonoscopy 2008 ,		7
172	Lung area extraction from 3D chest X-ray CT images using a shape model generated by a variable Bèzier surface. <i>Systems and Computers in Japan</i> , 2003 , 34, 60-71		7
171	Detection of small nodules from 3D chest X-ray CT images based on shape features. <i>International Congress Series</i> , 2003 , 1256, 971-976		7
170	Unsupervised pathology image segmentation using representation learning with spherical k-means 2018 ,		7
169	Intelligent Image Synthesis to Attack a Segmentation CNN Using Adversarial Learning. <i>Lecture Notes in Computer Science</i> , 2019 , 90-99	0.9	7
168	Bronchoscope tracking without fiducial markers using ultra-tiny electromagnetic tracking system and its evaluation in different environments 2007 , 10, 644-51		7
167	Modified Hybrid Bronchoscope Tracking Based on Sequential Monte Carlo Sampler: Dynamic Phantom Validation. <i>Lecture Notes in Computer Science</i> , 2011 , 409-421	0.9	7
166	A visual SLAM-based bronchoscope tracking scheme for bronchoscopic navigation. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020 , 15, 1619-1630	3.9	7

165	Precise estimation of renal vascular dominant regions using spatially aware fully convolutional networks, tensor-cut and Voronoi diagrams. <i>Computerized Medical Imaging and Graphics</i> , 2019 , 77, 1016-1042	7.6	6
164	Wide variation in anal sphincter muscles in cases of high- and intermediate-type male anorectal malformation. <i>Pediatric Surgery International</i> , 2013 , 29, 369-73	2.1	6
163	Automatic anatomical labeling of arteries and veins using conditional random fields. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017 , 12, 1041-1048	3.9	6
162	A method for extracting multi-organ from four-phase contrasted CT images based on CT value distribution estimation using EM-algorithm 2007 ,		6
161	Automated nomenclature of bronchial branches extracted from CT images and its application to biopsy path planning in virtual bronchoscopy. <i>Lecture Notes in Computer Science</i> , 2005 , 8, 854-61	0.9	6
160	Dense volumetric detection and segmentation of mediastinal lymph nodes in chest CT images 2018 ,		6
159	Marker-Free Registration for Electromagnetic Navigation Bronchoscopy under Respiratory Motion. <i>Lecture Notes in Computer Science</i> , 2010 , 237-246	0.9	6
158	Deformable registration of bronchoscopic video sequences to CT volumes with guaranteed smooth output. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 17-24	0.9	6
157	Optimal port placement planning method for laparoscopic gastrectomy. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017 , 12, 1677-1684	3.9	5
156	Artificial Intelligence for Colorectal Polyp Detection and Characterization. <i>Current Treatment Options in Gastroenterology</i> , 2020 , 18, 200-211	2.5	5
155	Adaptive marker-free registration using a multiple point strategy for real-time and robust endoscope electromagnetic navigation. <i>Computer Methods and Programs in Biomedicine</i> , 2015 , 118, 147-157	6.9	5
154	Multi-organ segmentation from 3D abdominal CT images using patient-specific weighted-probabilistic atlas 2013 ,		5
153	Adaptive model based pulmonary artery segmentation in 3D chest CT 2010 ,		5
152	Visualization of the human body toward the navigation diagnosis with the virtualized human body. <i>Journal of Visualization</i> , 1998 , 1, 111-124	1.6	5
151	Method of interactive specification of interested regions via a volume-rendered image with application to virtualized endoscope system 2000 , 3978, 134		5
150	Beyond current guided bronchoscopy: a robust and real-time bronchoscopic ultrasound navigation system. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 388-95	0.9	5
149	Improving contrast and spatial resolution in crystal analyzer-based x-ray dark-field imaging: Theoretical considerations and experimental demonstration. <i>Medical Physics</i> , 2020 , 47, 5505-5513	4.4	5
148	Current status and future perspective on artificial intelligence for lower endoscopy. <i>Digestive Endoscopy</i> , 2021 , 33, 273-284	3.7	5

147	Supervoxel Classification Forests for Estimating Pairwise Image Correspondences. <i>Lecture Notes in Computer Science</i> , 2015 , 94-101	0.9	4
146	Hybrid electromagnetic and image-based tracking of endoscopes with guaranteed smooth output. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013 , 8, 955-65	3.9	4
145	Anatomical annotation on vascular structure in volume rendered images. <i>Computerized Medical Imaging and Graphics</i> , 2013 , 37, 131-41	7.6	4
144	A study on automated anatomical labeling to arteries concerning with colon from 3D abdominal CT images 2011 ,		4
143	Evaluation of deformation accuracy of a virtual pneumoperitoneum method based on clinical trials for patient-specific laparoscopic surgery simulator 2012 ,		4
142	Unexpectedly deformed anal sphincter in low-type anorectal malformation. <i>Journal of Pediatric Surgery</i> , 2009 , 44, 2375-9	2.6	4
141	New image similarity measures for bronchoscope tracking based on image registration between virtual and real bronchoscopic images 2004 ,		4
140	Method for detecting unobserved regions in virtual endoscopy system 2001 , 4321, 134		4
139	Camera motion tracking of real endoscope by using virtual endoscopy system and texture information 2001 ,		4
138	Automated mediastinal lymph node detection from CT volumes based on intensity targeted radial structure tensor analysis. <i>Journal of Medical Imaging</i> , 2017 , 4, 044502	2.6	4
137	Structure Specific Atlas Generation and Its Application to Pancreas Segmentation from Contrasted Abdominal CT Volumes. <i>Lecture Notes in Computer Science</i> , 2016 , 47-56	0.9	4
136	Improvement of accuracy of marker-free bronchoscope tracking using electromagnetic tracker based on bronchial branch information. <i>Lecture Notes in Computer Science</i> , 2008 , 11, 535-42	0.9	4
135	An Application Driven Comparison of Several Feature Extraction Algorithms in Bronchoscope Tracking During Navigated Bronchoscopy. <i>Lecture Notes in Computer Science</i> , 2010 , 475-484	0.9	4
134	Unsupervised colonoscopic depth estimation by domain translations with a Lambertian-reflection keeping auxiliary task. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021 , 16, 989-1001	3.9	4
133	Artificial intelligence-assisted colonic endocytoscopy for cancer recognition: a multicenter study. <i>Endoscopy International Open</i> , 2021 , 9, E1004-E1011	3	4
132	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> , 2021 ,	5.2	4
131	Bronchoscope tracking based on image registration using multiple initial starting points estimated by motion prediction. <i>Lecture Notes in Computer Science</i> , 2006 , 9, 645-52	0.9	4
130	Accurate airway segmentation based on intensity structure analysis and graph-cut 2016 ,		3

129	Real-time bronchoscope three-dimensional motion estimation using multiple sensor-driven alignment of CT images and electromagnetic measurements. <i>Computerized Medical Imaging and Graphics</i> , 2014 , 38, 540-8	7.6	3
128	Automatic segmentation of solitary pulmonary nodules based on local intensity structure analysis and 3D neighborhood features in 3D chest CT images 2012 ,		3
127	Blood vessel segmentation using line-direction vector based on Hessian analysis 2010 ,		3
126	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
125	Lung lobe segmentation based on statistical atlas and graph cuts 2012 ,		3
124	Quantification and visualization of alveolar bone resorption from 3D dental CT images. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2007 , 2, 43-53	3.9	3
123	An on-line handwritten mathematical equation recognition system that can process matrix expressions by referring to the relative positions of matrix elements. <i>Systems and Computers in Japan</i> , 2006 , 37, 87-96		3
122	Method for generating unfolded views of organ and its comparison with virtual endoscopy based on undisplayed region rate 2003 ,		3
121	A CAD System for Quantifying COPD Based on 3-D CT Images. <i>Lecture Notes in Computer Science</i> , 2003 , 730-737	0.9	3
120	New calculation method of image similarity for endoscope tracking based on image registration in endoscope navigation. <i>International Congress Series</i> , 2003 , 1256, 460-466		3
119	A method for detecting colonic polyps using curve fitting from 3D abdominal CT images 2005 ,		3
118	Virtualized angioscopy of the thoracic aorta in a rabbit model of atherosclerosis. <i>Japanese Circulation Journal</i> , 1998 , 62, 198-200		3
117	Towards dense volumetric pancreas segmentation in CT using 3D fully convolutional networks 2018 ,		3
116	Development of a navigation-based CAD system for colon. <i>Lecture Notes in Computer Science</i> , 2005 , 8, 696-703	0.9	3
115	Colon Shape Estimation Method for Colonoscope Tracking Using Recurrent Neural Networks. <i>Lecture Notes in Computer Science</i> , 2018 , 176-184	0.9	3
114	3D FCN Feature Driven Regression Forest-Based Pancreas Localization and Segmentation. <i>Lecture Notes in Computer Science</i> , 2017 , 222-230	0.9	3
113	ManiSMC: a new method using manifold modeling and sequential Monte Carlo sampler for boosting navigated bronchoscopy. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 248-55	0.9	3
112	Three-dimensional reconstruction of human nipple using refraction-contrast x-ray computed Tomography 2019 ,		2

111	Assessment of COPD severity by combining pulmonary function tests and chest CT images. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013 , 8, 353-63	3.9	2
110	Automated abdominal lymph node segmentation based on RST analysis and SVM 2014 ,		2
109	Development of automated extraction method of biliary tract from abdominal CT volumes based on local intensity structure analysis 2014 ,		2
108	A method for automated anatomical labeling of abdominal veins extracted from 3D CT images 2013 ,		2
107	The Current Status and Perspective of Navigation Neurosurgery. <i>Japanese Journal of Neurosurgery</i> , 2013 , 22, 510-518	0	2
106	A method for accelerating bronchoscope tracking based on image registration by using GPU 2009 ,		2
105	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
104	Haustral fold detection method for CT colonography based on difference filter along colon centerline 2009 ,		2
103	Lung lobe and segmental lobe extraction from 3D chest CT datasets based on figure decomposition and Voronoi division 2008 ,		2
102	Compensation of electromagnetic tracking system using an optical tracker and its application to bronchoscopy navigation system 2007 ,		2
101	A method for automated nomenclature of bronchial branches extracted from CT images. <i>International Congress Series</i> , 2005 , 1281, 86-91		2
100	Fast and accurate tract unfolding based on stable volumetric image deformation 2006 , 6143, 412		2
99	Development of a virtual needle biopsy simulation system for the virtual prostate. <i>Systems and Computers in Japan</i> , 2006 , 37, 93-104		2
98	A method for generating unfolded views of the stomach based on volumetric image deformation 2005 ,		2
97	Camera motion tracking of real bronchoscope using epipolar geometry analysis and CT-derived bronchoscopic images 2002 ,		2
96	Automated extraction of lung cancer lesions from multislice chest CT images by using three-dimensional image processing. <i>Systems and Computers in Japan</i> , 1994 , 25, 68-77		2
95	Crystal-based X-ray Medical Imaging Using Synchrotron Radiation and Its Future Prospect 2018 , 287-342		2
94	Augmented Display of Anatomical Names of Bronchial Branches for Bronchoscopy Assistance. <i>Lecture Notes in Computer Science</i> , 2008 , 377-384	0.9	2

93	Enhanced differential evolution to combine optical mouse sensor with image structural patches for robust endoscopic navigation. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 340-8	0.9	2
92	Joint Supervoxel Classification Forest for Weakly-Supervised Organ Segmentation. <i>Lecture Notes in Computer Science</i> , 2017 , 79-87	0.9	2
91	Micro-CT Guided 3D Reconstruction of Histological Images. <i>Lecture Notes in Computer Science</i> , 2017 , 93-101	0.9	2
90	Tensor-Based Graph-Cut in Riemannian Metric Space and Its Application to Renal Artery Segmentation. <i>Lecture Notes in Computer Science</i> , 2016 , 353-361	0.9	2
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