

Kensaku Mori

List of Publications by Year in descending order

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312
papers

6,279
citations

87888

38
h-index

88630

70
g-index

321
all docs

321
docs citations

321
times ranked

5318
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Use of Artificial Intelligence in Identification of Diminutive Polyps During Colonoscopy. <i>Annals of Internal Medicine</i> , 2018, 169, 357.	3.9	391
2	Self-supervised learning for medical image analysis using image context restoration. <i>Medical Image Analysis</i> , 2019, 58, 101539.	11.6	315
3	Artificial Intelligence-Assisted Polyp Detection for Colonoscopy: Initial Experience. <i>Gastroenterology</i> , 2018, 154, 2027-2029.e3.	1.3	281
4	An application of cascaded 3D fully convolutional networks for medical image segmentation. <i>Computerized Medical Imaging and Graphics</i> , 2018, 66, 90-99.	5.8	227
5	Automated Abdominal Multi-Organ Segmentation With Subject-Specific Atlas Generation. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 1723-1730.	8.9	225
6	DRINet for Medical Image Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 2453-2462.	8.9	198
7	Artificial Intelligence-assisted System Improves Endoscopic Identification of Colorectal Neoplasms. <i>Clinical Gastroenterology and Hepatology</i> , 2020, 18, 1874-1881.e2.	4.4	167
8	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.	1.0	165
9	Characterization of Colorectal Lesions Using a Computer-Aided Diagnostic System for Narrow-Band Imaging Endocytoscopy. <i>Gastroenterology</i> , 2016, 150, 1531-1532.e3.	1.3	158
10	Tracking of a bronchoscope using epipolar geometry analysis and intensity-based image registration of real and virtual endoscopic images—A preliminary version of this paper was presented at the Medical Image Computing and Computer-Assisted Intervention (MICCAI) Conference, Utrecht, The Netherlands (Mori et al., 2001). <i>Medical Image Analysis</i> , 2002, 6, 321-336.	11.6	129
11	Discriminative dictionary learning for abdominal multi-organ segmentation. <i>Medical Image Analysis</i> , 2015, 23, 92-104.	11.6	122
12	Automated anatomical labeling of the bronchial branch and its application to the virtual bronchoscopy system. <i>IEEE Transactions on Medical Imaging</i> , 2000, 19, 103-114.	8.9	115
13	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.	1.0	111
14	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, 1441-1454.	8.9	110
15	Accuracy of diagnosing invasive colorectal cancer using computer-aided endocytoscopy. <i>Endoscopy</i> , 2017, 49, 798-802.	1.8	109
16	Artificial intelligence and colonoscopy: Current status and future perspectives. <i>Digestive Endoscopy</i> , 2019, 31, 363-371.	2.3	108
17	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.	1.8	100
18	Artificial intelligence and upper gastrointestinal endoscopy: Current status and future perspective. <i>Digestive Endoscopy</i> , 2019, 31, 378-388.	2.3	100

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19	Artificial Intelligence System to Determine Risk of T1 Colorectal Cancer Metastasis to Lymph Node. Gastroenterology, 2021, 160, 1075-1084.e2.	1.3	99
20	Impact of an automated system for endocytoscopic diagnosis of small colorectal lesions: an international web-based study. Endoscopy, 2016, 48, 1110-1118.	1.8	98
21	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.	1.6	95
22	Cost savings in colonoscopy with artificial intelligence-aided polyp diagnosis: an add-on analysis of a clinical trial (withÂvideo). Gastrointestinal Endoscopy, 2020, 92, 905-911.e1.	1.0	95
23	Multi-atlas pancreas segmentation: Atlas selection based on vessel structure. Medical Image Analysis, 2017, 39, 18-28.	11.6	70
24	Selective image similarity measure for bronchoscope tracking based on image registration. Medical Image Analysis, 2009, 13, 621-633.	11.6	69
25	Automatic detection of informative frames from wireless capsule endoscopy images. Medical Image Analysis, 2010, 14, 449-470.	11.6	65
26	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.	2.8	65
27	Low-rank and sparse decomposition based shape model and probabilistic atlas for automatic pathological organ segmentation. Medical Image Analysis, 2017, 38, 30-49.	11.6	62
28	Multi-organ Segmentation Based on Spatially-Divided Probabilistic Atlas from 3D Abdominal CT Images. Lecture Notes in Computer Science, 2013, 16, 165-172.	1.3	62
29	Multipoint Measuring System for Video and Sound - 100-camera and microphone system. , 2006, , .		59
30	Advanced Endoscopic Navigation: Surgical Big Data, Methodology, and Applications. Annual Review of Biomedical Engineering, 2018, 20, 221-251.	12.3	54
31	Radiomics nomogram for predicting the malignant potential of gastrointestinal stromal tumours preoperatively. European Radiology, 2019, 29, 1074-1082.	4.5	52
32	Simultaneous detection and characterization of diminutive polypsÂwithÂthe use of artificial intelligence during colonoscopy. VideoGIE, 2019, 4, 7-10.	0.7	51
33	Multi-organ Abdominal CT Segmentation Using Hierarchically Weighted Subject-Specific Atlases. Lecture Notes in Computer Science, 2012, 15, 10-17.	1.3	50
34	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.	2.8	48
35	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.	2.8	44
36	Hybrid Bronchoscope Tracking Using a Magnetic Tracking Sensor and Image Registration. Lecture Notes in Computer Science, 2005, 8, 543-550.	1.3	44

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37	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, 867-875.	2.2	42
38	Progressive attenuation fields: Fast 2D-3D image registration without precomputation. Medical Physics, 2005, 32, 2870-2880.	3.0	41
39	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.	11.6	40
40	Real-Time Artificial Intelligence-Based Optical Diagnosis of Neoplastic Polyps during Colonoscopy. , 2022, 1, .		36
41	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.	2.9	35
42	Development and comparison of new hybrid motion tracking for bronchoscopic navigation. Medical Image Analysis, 2012, 16, 577-596.	11.6	34
43	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.	2.8	33
44	Interactions of perceptual and conceptual processing: Expertise in medical image diagnosis. International Journal of Human Computer Studies, 2008, 66, 370-390.	5.6	32
45	Regulatory Science on AI-based Medical Devices and Systems. Advanced Biomedical Engineering, 2018, 7, 118-123.	0.6	32
46	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.	2.8	31
47	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.	2.8	30
48	Automated Extraction of Lymph Nodes from 3-D Abdominal CT Images Using 3-D Minimum Directional Difference Filter. , 2007, 10, 336-343.		30
49	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.	8.9	29
50	Geodesic Patch-Based Segmentation. Lecture Notes in Computer Science, 2014, 17, 666-673.	1.3	29
51	Tensor-cut: A tensor-based graph-cut blood vessel segmentation method and its application to renal artery segmentation. Medical Image Analysis, 2020, 60, 101623.	11.6	26
52	Tracking and Segmentation of the Airways in Chest CT Using a Fully Convolutional Network. Lecture Notes in Computer Science, 2017, , 198-207.	1.3	25
53	Current status and future perspective on artificial intelligence for lower endoscopy. Digestive Endoscopy, 2021, 33, 273-284.	2.3	25
54	Can artificial intelligence help to detect dysplasia in patients with ulcerative colitis?. Endoscopy, 2021, 53, E273-E274.	1.8	25

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55	Unsupervised segmentation of 3D medical images based on clustering and deep representation learning. , 2018, , .		25
56	Fast software-based volume rendering using multimedia instructions on PC platforms and its application to virtual endoscopy. , 2003, , .		24
57	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, 91-99.	2.4	23
58	Tubular Structure Segmentation Using Spatial Fully Connected Network with Radial Distance Loss for 3D Medical Images. Lecture Notes in Computer Science, 2019, , 348-356.	1.3	23
59	Evaluation in real-time use of artificial intelligence during colonoscopy to predict relapse of ulcerative colitis: aÂprospective study. Gastrointestinal Endoscopy, 2022, 95, 747-756.e2.	1.0	23
60	Dark-Field Imaging: Recent developments and potential clinical applications. Physica Medica, 2016, 32, 1801-1812.	0.7	22
61	Potential of artificial intelligenceâ€assisted colonoscopy using an endocytoscope (with video). Digestive Endoscopy, 2018, 30, 52-53.	2.3	22
62	Surgical and Radiological Studies on the Length of the Hepatic Ducts. World Journal of Surgery, 2015, 39, 2983-2989.	1.6	21
63	Supervoxel classification forests for estimating pairwise image correspondences. Pattern Recognition, 2017, 63, 561-569.	8.1	21
64	Automated anatomical labeling of abdominal arteries and hepatic portal system extracted from abdominal CT volumes. Medical Image Analysis, 2015, 20, 152-161.	11.6	20
65	Abdominal artery segmentation method from CT volumes using fully convolutional neural network. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 2069-2081.	2.8	20
66	Regression Forest-Based Atlas Localization and Direction Specific Atlas Generation for Pancreas Segmentation. Lecture Notes in Computer Science, 2016, , 556-563.	1.3	20
67	Automated extraction of aorta and pulmonary artery in mediastinum from 3D chest x-ray CT images without contrast medium. , 2002, 4684, 1496.		19
68	Towards hybrid bronchoscope tracking under respiratory motion: evaluation on a dynamic motion phantom. , 2010, , .		19
69	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.	2.8	19
70	Robust Endoscope Motion Estimation Via an Animated Particle Filter for Electromagnetically Navigated Endoscopy. IEEE Transactions on Biomedical Engineering, 2014, 61, 85-95.	4.2	19
71	Impact of the clinical use of artificial intelligenceâ€assisted neoplasia detection for colonoscopy: a large-scale prospective, propensity scoreâ€matched study (with video). Gastrointestinal Endoscopy, 2022, 95, 155-163.	1.0	19
72	Automatic mediastinal lymph node detection in chest CT. Proceedings of SPIE, 2009, , .	0.8	18

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73	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.	5.8	18
74	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, 41-47.	2.8	17
75	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.	2.8	17
76	Organ Segmentation from 3D Abdominal CT Images Based on Atlas Selection and Graph Cut. Lecture Notes in Computer Science, 2012, , 181-188.	1.3	17
77	Application of three-dimensional print in minor hepatectomy following liver partition between anterior and posterior sectors. ANZ Journal of Surgery, 2018, 88, 882-885.	0.7	16
78	A visual SLAM-based bronchoscope tracking scheme for bronchoscopic navigation. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1619-1630.	2.8	16
79	Distance Transformation and Skeletonization of 3D Pictures and Their Applications to Medical Images. Lecture Notes in Computer Science, 2001, , 412-429.	1.3	16
80	Three-dimensional computed tomographic images of pelvic muscle in anorectal malformations. Journal of Pediatric Surgery, 2005, 40, 1931-1934.	1.6	15
81	Digital Bowel Cleansing Free Colonic Polyp Detection Method for Fecal Tagging CT Colonography. Academic Radiology, 2009, 16, 486-494.	2.5	15
82	Observation-driven adaptive differential evolution and its application to accurate and smooth bronchoscope three-dimensional motion tracking. Medical Image Analysis, 2015, 24, 282-296.	11.6	15
83	Three-dimensional image reconstruction of an anorectal malformation with multidetector-row helical computed tomography technology. Pediatric Surgery International, 2003, 19, 167-171.	1.4	14
84	Artificial intelligence-assisted colonic endocytoscopy for cancer recognition: a multicenter study. Endoscopy International Open, 2021, 09, E1004-E1011.	1.8	14
85	Fast and Accurate Bronchoscope Tracking Using Image Registration and Motion Prediction. Lecture Notes in Computer Science, 2004, , 551-558.	1.3	14
86	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, 707-714.	1.3	14
87	A method for detecting undisplayed regions in virtual colonoscopy and its application to quantitative evaluation of fly-through methods1. Academic Radiology, 2003, 10, 1380-1391.	2.5	13
88	Realistic endoscopic image generation method using virtual-to-real image domain translation. Healthcare Technology Letters, 2019, 6, 214-219.	3.3	13
89	Extraction of bronchus regions from 3D chest X-ray CT images by using structural features of bronchus. International Congress Series, 2003, 1256, 240-245.	0.2	12
90	A method for bronchoscope tracking using position sensor without fiducial markers. , 2007, 6511, 168.		12

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91	Refraction-based 2D, 2.5D and 3D medical imaging: Stepping forward to a clinical trial. European Journal of Radiology, 2008, 68, S32-S36.	2.6	12
92	From macro-scale to micro-scale computational anatomy: a perspective on the next 20 years. Medical Image Analysis, 2016, 33, 159-164.	11.6	12
93	A Method for Tracking the Camera Motion of Real Endoscope by Epipolar Geometry Analysis and Virtual Endoscopy System. Lecture Notes in Computer Science, 2001, , 1-8.	1.3	12
94	Intelligent Image Synthesis to Attack a Segmentation CNN Using Adversarial Learning. Lecture Notes in Computer Science, 2019, , 90-99.	1.3	12
95	Dense volumetric detection and segmentation of mediastinal lymph nodes in chest CT images. , 2018, , .		12
96	Automated extraction of lung cancer lesions from multislice chest CT images by using three-dimensional image processing. Systems and Computers in Japan, 1994, 25, 68-77.	0.2	11
97	<title>Method for tracking camera motion of real endoscope by using virtual endoscopy system</title>. , 2000, 3978, 122.		11
98	Detection of small nodules from 3D chest X-ray CT images based on shape features. International Congress Series, 2003, 1256, 971-976.	0.2	11
99	Automated Nomenclature of Bronchial Branches Extracted from CT Images and Its Application to Biopsy Path Planning in Virtual Bronchoscopy. Lecture Notes in Computer Science, 2005, 8, 854-861.	1.3	11
100	Automatic anatomical labeling of arteries and veins using conditional random fields. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 1041-1048.	2.8	11
101	Extraction of teniae coli from CT volumes for assisting virtual colonoscopy. , 2008, , .		10
102	Haustral fold registration in CT colonography and its application to registration of virtual stretched view of the colon. Proceedings of SPIE, 2010, , .	0.8	10
103	Bronchoscopy Navigation beyond Electromagnetic Tracking Systems: A Novel Bronchoscope Tracking Prototype. Lecture Notes in Computer Science, 2011, 14, 194-202.	1.3	10
104	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, 2022, 17, 97-105.	2.8	10
105	New Image Similarity Measure for Bronchoscope Tracking Based on Image Registration. Lecture Notes in Computer Science, 2003, , 399-406.	1.3	9
106	Externally Navigated Bronchoscopy Using 2-D Motion Sensors: Dynamic Phantom Validation. IEEE Transactions on Medical Imaging, 2013, 32, 1745-1764.	8.9	9
107	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
108	Multi-organ segmentation from 3D abdominal CT images using patient-specific weighted-probabilistic atlas. Proceedings of SPIE, 2013, , .	0.8	9

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109	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.	2.8	9
110	Binary polyp-size classification based on deep-learned spatial information. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1817-1828.	2.8	9
111	Towards Automated Colonoscopy Diagnosis: Binary Polyp Size Estimation via Unsupervised Depth Learning. Lecture Notes in Computer Science, 2018, , 611-619.	1.3	9
112	Bronchoscope Tracking Without Fiducial Markers Using Ultra-tiny Electromagnetic Tracking System and Its Evaluation in Different Environments. , 2007, 10, 644-651.		9
113	Modified Hybrid Bronchoscope Tracking Based on Sequential Monte Carlo Sampler: Dynamic Phantom Validation. Lecture Notes in Computer Science, 2011, , 409-421.	1.3	9
114	Deformable Registration of Bronchoscopic Video Sequences to CT Volumes with Guaranteed Smooth Output. Lecture Notes in Computer Science, 2011, 14, 17-24.	1.3	9
115	Automated extraction and visualization of bronchus from 3D CT images of lung. , 1995, , 542-548.		9
116	Unsupervised pathology image segmentation using representation learning with spherical k-means. , 2018, , .		9
117	Visualization of the human body toward the navigation diagnosis with the virtualized human body. Journal of Visualization, 1998, 1, 111-124.	1.8	8
118	Lung area extraction from 3D chest X-ray CT images using a shape model generated by a variable BÃ©zier surface. Systems and Computers in Japan, 2003, 34, 60-71.	0.2	8
119	Hybrid electromagnetic and image-based tracking of endoscopes with guaranteed smooth output. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 955-965.	2.8	8
120	Wide variation in anal sphincter muscles in cases of high- and intermediate-type male anorectal malformation. Pediatric Surgery International, 2013, 29, 369-373.	1.4	8
121	Optimal port placement planning method for laparoscopic gastrectomy. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 1677-1684.	2.8	8
122	Virtual Pneumoperitoneum for Generating Virtual Laparoscopic Views Based on Volumetric Deformation. Lecture Notes in Computer Science, 2004, , 559-567.	1.3	8
123	<title>Method for detecting unobserved regions in virtual endoscopy system</title>. , 2001, 4321, 134.		7
124	New calculation method of image similarity for endoscope tracking based on image registration in endoscope navigation. International Congress Series, 2003, 1256, 460-466.	0.2	7
125	A method for extracting multi-organ from four-phase contrasted CT images based on CT value distribution estimation using EM-algorithm. , 2007, , .		7
126	Anatomical annotation on vascular structure in volume rendered images. Computerized Medical Imaging and Graphics, 2013, 37, 131-141.	5.8	7

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127	Pneumoperitoneum simulation based on mass-spring-damper models for laparoscopic surgical planning. Journal of Medical Imaging, 2015, 2, 044004.	1.5	7
128	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.	3.0	7
129	Artificial Intelligence for Colorectal Polyp Detection and Characterization. Current Treatment Options in Gastroenterology, 2020, 18, 200-211.	0.8	7
130	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.	2.8	7
131	Depth-based branching level estimation for bronchoscopic navigation. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1795-1804.	2.8	7
132	An Application Driven Comparison of Several Feature Extraction Algorithms in Bronchoscope Tracking During Navigated Bronchoscopy. Lecture Notes in Computer Science, 2010, , 475-484.	1.3	7
133	Beyond Current Guided Bronchoscopy: A Robust and Real-Time Bronchoscopic Ultrasound Navigation System. Lecture Notes in Computer Science, 2013, 16, 388-395.	1.3	7
134	Automated mediastinal lymph node detection from CT volumes based on intensity targeted radial structure tensor analysis. Journal of Medical Imaging, 2017, 4, 1.	1.5	7
135	Towards dense volumetric pancreas segmentation in CT using 3D fully convolutional networks. , 2018, , .		7
136	A cascaded fully convolutional network framework for dilated pancreatic duct segmentation. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 343-354.	2.8	7
137	<title>Camera motion tracking of real endoscope by using virtual endoscopy system and texture information</title>. , 2001, , .		6
138	New image similarity measures for bronchoscope tracking based on image registration between virtual and real bronchoscopic images. , 2004, , .		6
139	Adaptive model based pulmonary artery segmentation in 3D chest CT. Proceedings of SPIE, 2010, , .	0.8	6
140	A study on automated anatomical labeling to arteries concerning with colon from 3D abdominal CT images. Proceedings of SPIE, 2011, , .	0.8	6
141	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.	4.7	6
142	Supervoxel Classification Forests for Estimating Pairwise Image Correspondences. Lecture Notes in Computer Science, 2015, , 94-101.	1.3	6
143	Bronchoscope Tracking Based on Image Registration Using Multiple Initial Starting Points Estimated by Motion Prediction. Lecture Notes in Computer Science, 2006, 9, 645-652.	1.3	6
144	Improvement of Accuracy of Marker-Free Bronchoscope Tracking Using Electromagnetic Tracker Based on Bronchial Branch Information. Lecture Notes in Computer Science, 2008, 11, 535-542.	1.3	6

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145	Marker-Free Registration for Electromagnetic Navigation Bronchoscopy under Respiratory Motion. Lecture Notes in Computer Science, 2010, , 237-246.	1.3	6
146	<title>Method of interactive specification of interested regions via a volume-rendered image with application to virtualized endoscope system</title>. , 2000, 3978, 134.		5
147	A CAD System for Quantifying COPD Based on 3-D CT Images. Lecture Notes in Computer Science, 2003, , 730-737.	1.3	5
148	An on-line handwritten mathematical equation recognition system that can process matrix expressions by referring to the relative positions of matrix elements. Systems and Computers in Japan, 2006, 37, 87-96.	0.2	5
149	Lung lobe and segmental lobe extraction from 3D chest CT datasets based on figure decomposition and Voronoi division. , 2008, , .		5
150	Stable polyp scene classification via subsampling and residual learning from an imbalanced large dataset. Healthcare Technology Letters, 2019, 6, 237-242.	3.3	5
151	X-ray Dark-Field Imaging (XDFI)â€”a Promising Tool for 3D Virtual Histopathology. Molecular Imaging and Biology, 2021, 23, 481-494.	2.6	5
152	A Method for Detecting Undisplayed Regions in Virtual Colonoscopy and Its Application to Quantitative Evaluation of Fly-Through Methods. Lecture Notes in Computer Science, 2002, , 631-638.	1.3	5
153	Structure Specific Atlas Generation and Its Application to Pancreas Segmentation from Contrasted Abdominal CT Volumes. Lecture Notes in Computer Science, 2016, , 47-56.	1.3	5
154	Graph Cuts Loss to Boost Model Accuracy and Generalizability for Medical Image Segmentation. , 2021, , .		5
155	Virtualized Angioscopy of the Thoracic Aorta in a Rabbit Model of Atherosclerosis. Japanese Circulation Journal, 1998, 62, 198-200.	1.0	4
156	Method for generating unfolded views of organ and its comparison with virtual endoscopy based on undisplayed region rate. , 2003, , .		4
157	A method for detecting colonic polyps using curve fitting from 3D abdominal CT images. , 2005, , .		4
158	A method for generating virtual unfolded view of colon using spring model. , 2006, , .		4
159	Unexpectedly deformed anal sphincter in low-type anorectal malformation. Journal of Pediatric Surgery, 2009, 44, 2375-2379.	1.6	4
160	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
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, 540-548.	5.8	4
162	Artificial intelligence and computer-aided diagnosis for colonoscopy: where do we stand now?. Translational Gastroenterology and Hepatology, 2021, 6, 0-0.	3.0	4

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163	Joint Supervoxel Classification Forest for Weakly-Supervised Organ Segmentation. Lecture Notes in Computer Science, 2017, , 79-87.	1.3	4
164	3D FCN Feature Driven Regression Forest-Based Pancreas Localization and Segmentation. Lecture Notes in Computer Science, 2017, , 222-230.	1.3	4
165	Development of a Navigation-Based CAD System for Colon. Lecture Notes in Computer Science, 2005, 8, 696-703.	1.3	4
166	Camera motion tracking of real bronchoscope using epipolar geometry analysis and CT-derived bronchoscopic images. , 2002, , .		3
167	Branch identification method for CT-guided bronchoscopy based on eigenspace image matching between real and virtual bronchoscopic images. , 2006, , .		3
168	Compensation of electromagnetic tracking system using an optical tracker and its application to bronchoscopy navigation system. , 2007, , .		3
169	Quantification and visualization of alveolar bone resorption from 3D dental CT images. International Journal of Computer Assisted Radiology and Surgery, 2007, 2, 43-53.	2.8	3
170	An improved method for compensating ultra-tiny electromagnetic tracker utilizing position and orientation information and its application to a flexible neuroendoscopic surgery navigation system. Proceedings of SPIE, 2009, , .	0.8	3
171	Development of CAD prototype system for Crohn's disease. Proceedings of SPIE, 2010, , .	0.8	3
172	Blood vessel segmentation using line-direction vector based on Hessian analysis. , 2010, , .		3
173	A novel bronchoscope tracking method for bronchoscopic navigation using a low cost optical mouse sensor. Proceedings of SPIE, 2011, , .	0.8	3
174	Lung lobe segmentation based on statistical atlas and graph cuts. Proceedings of SPIE, 2012, , .	0.8	3
175	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
176	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.	2.8	3
177	Precise renal artery segmentation for estimation of renal vascular dominant regions. , 2016, , .		3
178	Accurate airway segmentation based on intensity structure analysis and graph-cut. , 2016, , .		3
179	How Far Will Clinical Application of AI Applications Advance for Colorectal Cancer Diagnosis?. Journal of the Anus, Rectum and Colon, 2020, 4, 47-50.	1.1	3
180	Micro-CT Guided 3D Reconstruction of Histological Images. Lecture Notes in Computer Science, 2017, , 93-101.	1.3	3

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