Ronald M Summers

List of Publications by Year
in descending order

348 papers	22,447 citations	22548 61 h-index	14779 131 g-index
352 all docs	352 docs citations	352 times ranked	22168 citing authors

#	Article	IF	Citations
1	Deep Convolutional Neural Networks for Computer-Aided Detection: CNN Architectures, Dataset Characteristics and Transfer Learning. IEEE Transactions on Medical Imaging, 2016, 35, 1285-1298.	5.4	4,024
2	ChestX-Ray8: Hospital-Scale Chest X-Ray Database and Benchmarks on Weakly-Supervised Classification and Localization of Common Thorax Diseases. , 2017, , .		2,038
3	Guest Editorial Deep Learning in Medical Imaging: Overview and Future Promise of an Exciting New Technique. IEEE Transactions on Medical Imaging, 2016, 35, 1153-1159.	5.4	1,261
4	The future of digital health with federated learning. Npj Digital Medicine, 2020, 3, 119.	5.7	887
5	Deep learning in medical imaging and radiation therapy. Medical Physics, 2019, 46, e1-e36.	1.6	513
6	Machine learning and radiology. Medical Image Analysis, 2012, 16, 933-951.	7.0	497
7	Preparing Medical Imaging Data for Machine Learning. Radiology, 2020, 295, 4-15.	3.6	473
8	Improving Computer-Aided Detection Using<?Pub _newline?>Convolutional Neural Networks and Random View Aggregation. IEEE Transactions on Medical Imaging, 2016, 35, 1170-1181.	5.4	465
9	Artificial intelligence for the detection of COVID-19 pneumonia on chest CT using multinational datasets. Nature Communications, 2020, 11, 4080.	5.8	405
10	Data augmentation using generative adversarial networks (CycleGAN) to improve generalizability in CT segmentation tasks. Scientific Reports, 2019, 9, 16884.	1.6	360
11	DeepOrgan: Multi-level Deep Convolutional Networks for Automated Pancreas Segmentation. Lecture Notes in Computer Science, 2015, , 556-564.	1.0	347
12	A Review of Deep Learning in Medical Imaging: Imaging Traits, Technology Trends, Case Studies With Progress Highlights, and Future Promises. Proceedings of the IEEE, 2021, 109, 820-838.	16.4	339
13	DeepLesion: automated mining of large-scale lesion annotations and universal lesion detection with deep learning. Journal of Medical Imaging, 2018, 5, 1.	0.8	288
14	A New 2.5D Representation for Lymph Node Detection Using Random Sets of Deep Convolutional Neural Network Observations. Lecture Notes in Computer Science, 2014, 17, 520-527.	1.0	286
15	Computed Tomographic Virtual Colonoscopy Computer-Aided Polyp Detection in a Screening Population. Gastroenterology, 2005, 129, 1832-1844.	0.6	273
16	TieNet: Text-Image Embedding Network for Common Thorax Disease Classification and Reporting in Chest X-Rays. , 2018, , .		261
17	Spatial aggregation of holistically-nested convolutional neural networks for automated pancreas localization and segmentation. Medical Image Analysis, 2018, 45, 94-107.	7.0	255
18	Automated Polyp Detection at CT Colonography: Feasibility Assessment in a Human Population. Radiology, 2001, 219, 51-59.	3.6	254

#	Article	IF	Citations
19	Automated Polyp Detector for CT Colonography: Feasibility Study. Radiology, 2000, 216, 284-290.	3.6	214
20	On the Interpretability of Artificial Intelligence in Radiology: Challenges and Opportunities. Radiology: Artificial Intelligence, 2020, 2, e190043.	3.0	212
21	Learning to Read Chest X-Rays: Recurrent Neural Cascade Model for Automated Image Annotation. , 2016, , .		197
22	Opportunistic Osteoporosis Screening at Routine Abdominal and Thoracic CT: Normative L1 Trabecular Attenuation Values in More than 20 000 Adults. Radiology, 2019, 291, 360-367.	3.6	183
23	Holistic classification of CT attenuation patterns for interstitial lung diseases via deep convolutional neural networks. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2018, 6, 1-6.	1.3	172
24	Accuracy and agreement of PIRADSv2 for prostate cancer mpMRI: A multireader study. Journal of Magnetic Resonance Imaging, 2017, 45, 579-585.	1.9	170
25	Medical Image Data and Datasets in the Era of Machine Learningâ€"Whitepaper from the 2016 C-MIMI Meeting Dataset Session. Journal of Digital Imaging, 2017, 30, 392-399.	1.6	140
26	Colonic Polyps: Complementary Role of Computer-aided Detection in CT Colonography. Radiology, 2002, 225, 391-399.	3.6	139
27	A Bottom-Up Approach for Pancreas Segmentation Using Cascaded Superpixels and (Deep) Image Patch Labeling. IEEE Transactions on Image Processing, 2017, 26, 386-399.	6.0	136
28	Automated abnormality classification of chest radiographs using deep convolutional neural networks. Npj Digital Medicine, 2020, 3, 70.	5.7	133
29	Validation of the Dominant Sequence Paradigm and Role of Dynamic Contrast-enhanced Imaging in PI-RADS Version 2. Radiology, 2017, 285, 859-869.	3.6	126
30	CT Colonography with Computer-aided Detection as a Second Reader: Observer Performance Study. Radiology, 2008, 246, 148-156.	3.6	123
31	Abdominal multi-organ segmentation from CT images using conditional shapeâ€"location and unsupervised intensity priors. Medical Image Analysis, 2015, 26, 1-18.	7.0	121
32	Vertebral Body Compression Fractures and Bone Density: Automated Detection and Classification on CT Images. Radiology, 2017, 284, 788-797.	3.6	119
33	Automated CT biomarkers for opportunistic prediction of future cardiovascular events and mortality in an asymptomatic screening population: a retrospective cohort study. The Lancet Digital Health, 2020, 2, e192-e200.	5.9	115
34	Automated segmentation and quantification of liver and spleen from CT images using normalized probabilistic atlases and enhancement estimation. Medical Physics, 2010, 37, 771-783.	1.6	113
35	A multi-center milestone study of clinical vertebral CT segmentation. Computerized Medical Imaging and Graphics, 2016, 49, 16-28.	3.5	104
36	Colonic Polyp Segmentation in CT Colonography-Based on Fuzzy Clustering and Deformable Models. IEEE Transactions on Medical Imaging, 2004, 23, 1344-1352.	5.4	102

#	Article	IF	Citations
37	Tumor Burden Analysis on Computed Tomography by Automated Liver and Tumor Segmentation. IEEE Transactions on Medical Imaging, 2012, 31, 1965-1976.	5.4	102
38	087001.	1.6	102
39	Computer-aided Diagnosis of Pulmonary Infections Using Texture Analysis and Support Vector Machine Classification. Academic Radiology, 2011, 18, 306-314.	1.3	96
40	Effect of Computer-aided Detection for CT Colonography in a Multireader, Multicase Trial. Radiology, 2010, 256, 827-835.	3.6	94
41	Statistical 4D graphs for multi-organ abdominal segmentation from multiphase CT. Medical Image Analysis, 2012, 16, 904-914.	7.0	92
42	A Machine Learning Algorithm to Estimate Sarcopenia on Abdominal CT. Academic Radiology, 2020, 27, 311-320.	1.3	92
43	Evaluation of the Aortic Root by MRI. Circulation, 1998, 98, 509-518.	1.6	91
44	Automated Liver Fat Quantification at Nonenhanced Abdominal CT for Population-based Steatosis Assessment. Radiology, 2019, 293, 334-342.	3.6	91
45	Multiple Neural Network Classification Scheme for Detection of Colonic Polyps in CT Colonography Data Sets. Academic Radiology, 2003, 10, 154-160.	1.3	90
46	Computer Aided-Diagnosis of Prostate Cancer on Multiparametric MRI: A Technical Review of Current Research. BioMed Research International, 2014, 2014, 1-11.	0.9	90
47	Feasibility of Simultaneous Computed Tomographic Colonography and Fully Automated Bone Mineral Densitometry in a Single Examination. Journal of Computer Assisted Tomography, 2011, 35, 212-216.	0.5	88
48	Deep learning-based muscle segmentation and quantification at abdominal CT: application to a longitudinal adult screening cohort for sarcopenia assessment. British Journal of Radiology, 2019, 92, 20190327.	1.0	86
49	A Road Map for Translational Research on Artificial Intelligence in Medical Imaging: From the 2018 National Institutes of Health/RSNA/ACR/The Academy Workshop. Journal of the American College of Radiology, 2019, 16, 1179-1189.	0.9	83
50	Automated prostate cancer detection using T2â€weighted and highâ€bâ€value diffusionâ€weighted magnetic resonance imaging. Medical Physics, 2015, 42, 2368-2378.	1.6	81
51	Deep Lesion Graphs in the Wild: Relationship Learning and Organization of Significant Radiology Image Findings in a Diverse Large-Scale Lesion Database. , 2018, , .		78
52	CT Virtual Bronchoscopy of the Central Airways in Patients With Wegener's Granulomatosis. Chest, 2002, 121, 242-250.	0.4	76
53	Computer-assisted detection of colonic polyps with CT colonography using neural networks and binary classification trees. Medical Physics, 2002, 30, 52-60.	1.6	75
54	Interreader Variability of Prostate Imaging Reporting and Data System Version 2 in Detecting and Assessing Prostate Cancer Lesions at Prostate MRI. American Journal of Roentgenology, 2019, 212, 1197-1205.	1.0	75

#	Article	IF	Citations
55	Hybrid segmentation of colon filled with air and opacified fluid for CT colonography. IEEE Transactions on Medical Imaging, 2006, 25, 358-368.	5.4	74
56	Distributed Human Intelligence for Colonic Polyp Classification in Computer-aided Detection for CT Colonography. Radiology, 2012, 262, 824-833.	3.6	73
57	Automated Abdominal CT Imaging Biomarkers for Opportunistic Prediction of Future Major Osteoporotic Fractures in Asymptomatic Adults. Radiology, 2020, 297, 64-72.	3.6	72
58	Progress in Fully Automated Abdominal CT Interpretation. American Journal of Roentgenology, 2016, 207, 67-79.	1.0	71
59	Road Maps for Advancement of Radiologic Computer-aided Detection in the 21st Century. Radiology, 2003, 229, 11-13.	3.6	70
60	Computer-Aided Detection of Polyps on Oral Contrastâ€“Enhanced CT Colonography. American Journal of Roentgenology, 2005, 184, 105-108.	1.0	68
61	Support vector machines committee classification method for computer-aided polyp detection in CT colonography1. Academic Radiology, 2005, 12, 479-486.	1.3	68
62	Computer-aided diagnosis prior to conventional interpretation of prostate mpMRI: an international multi-reader study. European Radiology, 2018, 28, 4407-4417.	2.3	68
63	Attention-Guided Curriculum Learning for Weakly Supervised Classification and Localization of Thoracic Diseases on Chest Radiographs. Lecture Notes in Computer Science, 2018, , 249-258.	1.0	67
64	Can computer-aided diagnosis assist in the identification of prostate cancer on prostate MRI? a multi-center, multi-reader investigation. Oncotarget, 2018, 9, 33804-33817.	0.8	65
65	Lytic Metastases in Thoracolumbar Spine: Computer-aided Detection at CTâ€”Preliminary Study. Radiology, 2007, 242, 811-816.	3.6	64
66	Polyp Size Measurement at CT Colonography: What Do We Know and What Do We Need to Know?. Radiology, 2010, 255, 707-720.	3.6	63
67	Population-based opportunistic osteoporosis screening: Validation of a fully automated CT tool for assessing longitudinal BMD changes. British Journal of Radiology, 2019, 92, 20180726.	1.0	61
68	Fully automated segmentation and quantification of visceral and subcutaneous fat at abdominal CT: application to a longitudinal adult screening cohort. British Journal of Radiology, 2018, 91, 20170968.	1.0	58
69	Patient specific tumor growth prediction using multimodal images. Medical Image Analysis, 2014, 18, 555-566.	7.0	57
70	Automated Detection, Localization, and Classification of Traumatic Vertebral Body Fractures in the Thoracic and Lumbar Spine at CT. Radiology, 2016, 278, 64-73.	3.6	57
71	Automated segmentation and quantification of aortic calcification at abdominal CT: application of a deep learning-based algorithm to a longitudinal screening cohort. Abdominal Radiology, 2019, 44, 2921-2928.	1.0	56
72	Automated Detection of Sclerotic Metastases in the Thoracolumbar Spine at CT. Radiology, 2013, 268, 69-78.	3.6	55

#	Article	IF	Citations
73	COVID-19-CT-CXR: A Freely Accessible and Weakly Labeled Chest X-Ray and CT Image Collection on COVID-19 From Biomedical Literature. IEEE Transactions on Big Data, 2021, 7, 3-12.	4.4	55
74	Automatic magnetic resonance prostate segmentation by deep learning with holistically nested networks. Journal of Medical Imaging, 2017, 4, 1.	0.8	55
75	Detection of Vertebral Body Fractures Based on Cortical Shell Unwrapping. Lecture Notes in Computer Science, 2012, 15, 509-516.	1.0	53
76	Opportunistic Screening at Abdominal CT: Use of Automated Body Composition Biomarkers for Added Cardiometabolic Value. Radiographics, 2021, 41, 524-542.	1.4	53
77	Interleaved text/image Deep Mining on a large-scale radiology database. , 2015, , .		52
78	MULAN: Multitask Universal Lesion Analysis Network for Joint Lesion Detection, Tagging, and Segmentation. Lecture Notes in Computer Science, 2019, , 194-202.	1.0	49
79	Texture analysis in radiology: Does the emperor have no clothes?. Abdominal Radiology, 2017, 42, 342-345.	1.0	48
80	Assessing Splenomegaly. Academic Radiology, 2013, 20, 675-684.	1.3	47
81	Oral Contrast Adherence to Polyps on CT Colonography. Journal of Computer Assisted Tomography, 2006, 30, 51-57.	0.5	45
82	Performance of a Previously Validated CT Colonography Computer-Aided Detection System in a New Patient Population. American Journal of Roentgenology, 2008, 191, 168-174.	1.0	45
83	Detection and diagnosis of colitis on computed tomography using deep convolutional neural networks. Medical Physics, 2017, 44, 4630-4642.	1.6	43
84	Mediastinal lymph node detection and station mapping on chest CT using spatial priors and random forest. Medical Physics, 2016, 43, 4362-4374.	1.6	42
85	Automatic multi-resolution shape modeling of multi-organ structures. Medical Image Analysis, 2015, 25, 11-21.	7.0	41
86	A deep learning system for automated kidney stone detection and volumetric segmentation on noncontrast CT scans. Medical Physics, 2022, 49, 2545-2554.	1.6	40
87	Automatic Correction of Level Set Based Subvoxel Precise Centerlines for Virtual Colonoscopy Using the Colon Outer Wall. IEEE Transactions on Medical Imaging, 2007, 26, 1069-1078.	5.4	39
88	Spatio-Temporal Convolutional LSTMs for Tumor Growth Prediction by Learning 4D Longitudinal Patient Data. IEEE Transactions on Medical Imaging, 2020, 39, 1114-1126.	5.4	39
89	Systematic evaluation of iterative deep neural networks for fast parallel MRI reconstruction with sensitivityâ€weighted coil combination. Magnetic Resonance in Medicine, 2021, 86, 1859-1872.	1.9	39
90	CT Colonography with Computer-aided Detection: Automated Recognition of Ileocecal Valve to Reduce Number of False-Positive Detections. Radiology, 2004, 233, 266-272.	3.6	38

#	Article	IF	Citations
91	Polyps: Linear and Volumetric Measurement at CT Colonography. Radiology, 2006, 241, 802-811.	3.6	38
92	Renal tumor quantification and classification in contrast-enhanced abdominal CT. Pattern Recognition, 2009, 42, 1149-1161.	5.1	38
93	Employing topographical height map in colonic polyp measurement and false positive reduction. Pattern Recognition, 2009, 42, 1029-1040.	5.1	38
94	Combining fully convolutional networks and graph-based approach for automated segmentation of cervical cell nuclei. , 2017, , .		38
95	Uldor: A Universal Lesion Detector For Ct Scans With Pseudo Masks And Hard Negative Example Mining. , 2019, , .		38
96	2D View Aggregation for Lymph Node Detection Using a Shallow Hierarchy of Linear Classifiers. Lecture Notes in Computer Science, 2014, 17, 544-552.	1.0	38
97	MR Microscopy of the Rat Carotid Artery after Balloon Injury by Using an Implanted Imaging Coil. Magnetic Resonance in Medicine, 1995, 33, 785-789.	1.9	37
98	Improved classifier for computerâ€aided polyp detection in CT Colonography by nonlinear dimensionality reduction. Medical Physics, 2008, 35, 1377-1386.	1.6	37
99	Prostate cancer detection from multi-institution multiparametric MRIs using deep convolutional neural networks. Journal of Medical Imaging, 2018, 5, 1.	0.8	37
100	Teniae Coliâ€“based Circumferential Localization System for CT Colonography: Feasibility Study. Radiology, 2007, 243, 551-560.	3.6	36
101	Mesenteric Vasculature-Guided Small Bowel Segmentation on 3-D CT. IEEE Transactions on Medical Imaging, 2013, 32, 2006-2021.	5.4	36
102	A computer simulation of nuclear magnetic resonance imaging. Magnetic Resonance in Medicine, 1986, 3, 363-376.	1.9	35
103	Detection of Sclerotic Spine Metastases viaÂRandom Aggregation of Deep ConvolutionalÂNeural Network Classifications. Lecture Notes in Computational Vision and Biomechanics, 2015, , 3-12.	0.5	34
104	Surface curvature estimation for automatic colonic polyp detection. , 2005, , .		33
105	Computer Aided Evaluation of Ankylosing Spondylitis Using High-Resolution CT. IEEE Transactions on Medical Imaging, 2008, 27, 1252-1267.	5.4	33
106	Strategies for improved interpretation of computer-aided detections for CT colonography utilizing distributed human intelligence. Medical Image Analysis, 2012, 16, 1280-1292.	7.0	33
107	Detection of prostate cancer in multiparametric MRI using random forest with instance weighting. Journal of Medical Imaging, 2017, 4, 024506.	0.8	33
108	Fully automated CT imaging biomarkers of bone, muscle, and fat: correcting for the effect of intravenous contrast. Abdominal Radiology, 2021, 46, 1229-1235.	1.0	32

#	Article	IF	Citations
109	Artificial Intelligence of COVID-19 Imaging: A Hammer in Search of a Nail. Radiology, 2021, 298, E162-E164.	3.6	32
110	Liver Steatosis Categorization on Contrast-Enhanced CT Using a Fully Automated Deep Learning Volumetric Segmentation Tool: Evaluation in 1204 Healthy Adults Using Unenhanced CT as a Reference Standard. American Journal of Roentgenology, 2021, 217, 359-367.	1.0	31
111	Feature selection for computer-aided polyp detection using genetic algorithms. , 2003, , .		30
112	Convolutional neural network based deep-learning architecture for prostate cancer detection on multiparametric magnetic resonance images. Proceedings of SPIE, 2017, , .	0.8	30
113	A disentangled generative model for disease decomposition in chest X-rays via normal image synthesis. Medical Image Analysis, 2021, 67, 101839.	7.0	30
114	Multicenter Multireader Evaluation of an Artificial Intelligenceâ€“Based Attention Mapping System for the Detection of Prostate Cancer With Multiparametric MRI. American Journal of Roentgenology, 2020, 215, 903-912.	1.0	29
115	E^{2}Net: An Edge Enhanced Network for Accurate Liver and Tumor Segmentation on CT Scans. Lecture Notes in Computer Science, 2020, , 512-522.	1.0	29
116	Virtual bronchoscopy for evaluation of airway disease. Thoracic Surgery Clinics, 2004, 14, 79-86.	0.4	28
117	Optimizing area under the ROC curve using semi-supervised learning. Pattern Recognition, 2015, 48, 276-287.	5.1	28
118	Biopsy-guided learning with deep convolutional neural networks for Prostate Cancer detection on multiparametric MRI. , 2017, , .		28
119	Discriminative ensemble learning for few-shot chest x-ray diagnosis. Medical Image Analysis, 2021, 68, 101911.	7.0	28
120	Automated centerline for computed tomography colonography1. Academic Radiology, 2003, 10, 1291-1301.	1.3	27
121	3527-3538.	1.6	27
122	Automated noninvasive classification of renal cancer on multiphase CT. Medical Physics, 2011, 38, 5738-5746.	1.6	27
123	Tumor growth prediction with reaction-diffusion and hyperelastic biomechanical model by physiological data fusion. Medical Image Analysis, 2015, 25, 72-85.	7.0	27
124	Computer-aided detection of exophytic renal lesions on non-contrast CT images. Medical Image Analysis, 2015, 19, 15-29.	7.0	27
125	Artificial Intelligence in Musculoskeletal Imaging: A Paradigm Shift. Journal of Bone and Mineral Research, 2020, 35, 28-35.	3.1	27
126	Automated seed placement for colon segmentation in computed tomography colonography1. Academic Radiology, 2005, 12, 182-190.	1.3	26

#	Article	IF	Citations
127	Normalized Distance Along the Colon Centerline: A Method for Correlating Polyp Location on CT Colonography and Optical Colonoscopy. American Journal of Roentgenology, 2009, 193, 1296-1304.	1.0	26
128	Association Between Visceral Adiposity and Colorectal Polyps on CT Colonography. American Journal of Roentgenology, 2012, 199, 48-57.	1.0	26
129	Assessing Hepatomegaly. Academic Radiology, 2012, 19, 588-598.	1.3	26
130	Unsupervised Joint Mining of Deep Features and Image Labels for Large-Scale Radiology Image Categorization and Scene Recognition. , 2017, , .		26
131	Utilizing Fully Automated Abdominal CTâ€“Based Biomarkers for Opportunistic Screening for Metabolic Syndrome in Adults Without Symptoms. American Journal of Roentgenology, 2021, 216, 85-92.	1.0	26
132	Trustworthy Artificial Intelligence in Medical Imaging. PET Clinics, 2022, 17, 1-12.	1.5	26
133	Unsupervised body part regression via spatially self-ordering convolutional neural networks. , 2018, , .		25
134	Reduction of false positives on the rectal tube in computer-aided detection for CT colonography. Medical Physics, 2004, 31, 2855-2862.	1.6	24
135	Leveraging Mid-Level Semantic Boundary Cues for Automated Lymph Node Detection. Lecture Notes in Computer Science, 2015, , 53-61.	1.0	24
136	CT-realistic data augmentation using generative adversarial network for robust lymph node segmentation. , 2019, , .		24
137	Improving the Accuracy of CTC Interpretation: Computer-Aided Detection. Gastrointestinal Endoscopy Clinics of North America, 2010, 20, 245-257.	0.6	23
138	Visceral fat quantification in asymptomatic adults using abdominal CT: is it predictive of future cardiac events?. Abdominal Imaging, 2015, 40, 222-226.	2.0	23
139	Deep convolutional networks for automated detection of posterior-element fractures on spine CT. Proceedings of SPIE, 2016, , .	0.8	23
140	Fully Automated Deep Learning Tool for Sarcopenia Assessment on CT: L1 Versus L3 Vertebral Level Muscle Measurements for Opportunistic Prediction of Adverse Clinical Outcomes. American Journal of Roentgenology, 2022, 218, 124-131.	1.0	23
141	Artificial Intelligence in Lymphoma PET Imaging. PET Clinics, 2022, 17, 145-174.	1.5	23
142	The flip-angle effect: A method for detection of sodium-23 quadrupole splitting in tissue. Magnetic Resonance in Medicine, 1987, 4, 67-77.	1.9	22
143	CT Colonography with Computer-aided Polyp Detection: Volume and Attenuation Thresholds to Reduce False-Positive Findings Owing to the Ileocecal Valve. Radiology, 2006, 241, 426-432.	3.6	22
144	A prostate cancer computer-aided diagnosis system using multimodal magnetic resonance imaging and targeted biopsy labels. , 2013, , .		22

#	Article	IF	Citations
145	Atherosclerotic Plaque Burden on Abdominal CT: Automated Assessment With Deep Learning on Noncontrast and Contrast-enhanced Scans. Academic Radiology, 2021, 28, 1491-1499.	1.3	22
146	Scaleâ€based scatter correction for computerâ€aided polyp detection in CT colonography. Medical Physics, 2008, 35, 5664-5671.	1.6	21
147	Registration of prone and supine CT colonography scans using correlation optimized warping and canonical correlation analysis. Medical Physics, 2009, 36, 5595-5603.	1.6	21
148	Optimizing the support vector machines (SVM) committee configuration in a colonic polyp CAD system. , 2005, , .		20
149	Current Status of CT Colonography. Academic Radiology, 2006, 13, 1517-1531.	1.3	20
150	Deep Learning CT-based Quantitative Visualization Tool for Liver Volume Estimation: Defining Normal and Hepatomegaly. Radiology, 2022, 302, 336-342.	3.6	20
151	Conspicuity of Colorectal Polyps at CT Colonography. Academic Radiology, 2009, 16, 4-14.	1.3	19
152	Reversible Projection Technique for Colon Unfolding. IEEE Transactions on Biomedical Engineering, 2010, 57, 2861-2869.	2.5	19
153	COMBINING STATISTICAL AND GEOMETRIC FEATURES FOR COLONIC POLYP DETECTION IN CTC BASED ON MULTIPLE KERNEL LEARNING. International Journal of Computational Intelligence and Applications, 2010, 09, 1-15.	0.6	19
154	Generalized Zero-Shot Chest X-Ray Diagnosis Through Trait-Guided Multi-View Semantic Embedding With Self-Training. IEEE Transactions on Medical Imaging, 2021, 40, 2642-2655.	5.4	19
155	Multi-organ automatic segmentation in 4D contrast-enhanced abdominal CT. , 2008, , .		18
156	Automated Measurement of Colorectal Polyp Height at CT Colonography: Hyperplastic Polyps Are Flatter Than Adenomatous Polyps. American Journal of Roentgenology, 2009, 193, 1305-1310.	1.0	18
157	Skeletal Muscle Magnetic Resonance Biomarkers in GNE Myopathy. Neurology, 2021, 96, e798-e808.	1.5	18
158	Abdominal Multi-organ CT Segmentation Using Organ Correlation Graph and Prediction-Based Shape and Location Priors. Lecture Notes in Computer Science, 2013, 16, 275-282.	1.0	18
159	NegBio: a high-performance tool for negation and uncertainty detection in radiology reports. AMIA Summits on Translational Science Proceedings, 2018, 2017, 188-196.	0.4	18
160	Automated detection of blob structures by Hessian analysis and object scale. , 2010, , .		17
161	Regional infarction identification from cardiac CT images: a computer-aided biomechanical approach. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1573-1583.	1.7	17
162	Comparative Evaluation of Three Software Packages for Liver and Spleen Segmentation and Volumetry. Academic Radiology, 2017, 24, 831-839.	1.3	17

#	Article	IF	Citations
163	Computerâ€aided detection of renal calculi from noncontrast CT images using TVâ€flow and MSER features. Medical Physics, 2015, 42, 144-153.	1.6	16
164	Technical and Clinical Factors Affecting Success Rate of a Deep Learning Method for Pancreas Segmentation on CT. Academic Radiology, 2020, 27, 689-695.	1.3	16
165	Comparative Performance of Two Polyp Detection Systems on CT Colonography. American Journal of Roentgenology, 2007, 189, 277-282.	1.0	14
166	Adaptive deformable model for colonic polyp segmentation and measurement on CT colonography. Medical Physics, 2007, 34, 1655-1664.	1.6	14
167	Optimizing computerâ€aided colonic polyp detection for CT colonography by evolving the Pareto	1.6	14
168	Anatomical variability of organs via principal factor analysis from the construction of an abdominal probabilistic atlas. , 2009, 2009, 682-685.		14
169	Improved computerâ€aided detection of small polyps in CT colonography using interpolation for	1.6	14
170	A self-attention based deep learning method for lesion attribute detection from CT reports. , 2019, , .		14
171	Deep Small Bowel Segmentation with Cylindrical Topological Constraints. Lecture Notes in Computer Science, 2020, 12264, 207-215.	1.0	14
172	One Click Lesion RECIST Measurement and Segmentation on CT Scans. Lecture Notes in Computer Science, 2020, , 573-583.	1.0	14
173	Holistic Segmentation of Intermuscular Adipose Tissues on Thigh MRI. Lecture Notes in Computer Science, 2017, , 737-745.	1.0	14
174	Fully automated prostate whole gland and central gland segmentation on MRI using holistically nested networks with short connections. Journal of Medical Imaging, 2019, 6, 1.	0.8	14
175	Fully Automated Abdominal CT Biomarkers for Type 2 Diabetes Using Deep Learning. Radiology, 2022, 304, 85-95.	3.6	14
176	Sodium NMR imaging of lung water in rats. Magnetic Resonance in Medicine, 1988, 6, 381-389.	1.9	13
177	Quality Assessment for CT Colonography: Validation of Automated Measurement of Colonic Distention and Residual Fluid. American Journal of Roentgenology, 2007, 189, 1457-1463.	1.0	13
178	Temporal and Multiinstitutional Quality Assessment of CT Colonography. American Journal of Roentgenology, 2008, 191, 1503-1508.	1.0	13
179	Seeing Is Believing: Video Classification for Computed Tomographic Colonography Using Multiple-Instance Learning. IEEE Transactions on Medical Imaging, 2012, 31, 1141-1153.	5.4	13
180	Tumor sensitive matching flow: A variational method to detecting and segmenting perihepatic and perisplenic ovarian cancer metastases on contrast-enhanced abdominal CT. Medical Image Analysis, 2014, 18, 725-739.	7.0	13

#	Article	IF	Citations
181	Clinical Artificial Intelligence Applications in Radiology. Radiologic Clinics of North America, 2021, 59, 987-1002.	0.9	13
182	Artificial Intelligence in Medical Imaging and its Impact on the Rare Disease Community: Threats, Challenges and Opportunities. PET Clinics, 2022, 17, 13-29.	1.5	13
183	Global-Local attention network with multi-task uncertainty loss for abnormal lymph node detection in MR images. Medical Image Analysis, 2022, 77, 102345.	7.0	13
184	Automated CT-Based Body Composition Analysis: A Golden Opportunity. Korean Journal of Radiology, 2021, 22, 1934.	1.5	13
185	Image gallery: A tool for rapid endobronchial lesion detection and display using virtual bronchoscopy. Journal of Digital Imaging, 1998, 11, 53-55.	1.6	12
186	<title>Automatic detection of endobronchial lesions using virtual bronchoscopy: comparison of two methods</title>. , 1998, , .		12
187	Content-based image retrieval on CT colonography using rotation and scale invariant features and bag-of-words model. , 2010, , .		12
188	Computer-aided detection of sclerotic bone metastases in the spine using watershed algorithm and support vector machines. , 2011, , .		12
189	Fusion of machine intelligence and human intelligence for colonic polyp detection in CT colonography. , 2011, , .		12
190	Detection of sclerotic bone metastases in the spine using watershed algorithm and graph cut. Proceedings of SPIE, 2012, , .	0.8	12
191	Abdominal lymphadenopathy detection using random forest. Proceedings of SPIE, 2014, , .	0.8	12
192	Cortical shell unwrapping for vertebral body abnormality detection on computed tomography. Computerized Medical Imaging and Graphics, 2014, 38, 628-638.	3.5	12
193	Deep Learning Lends a Hand to Pediatric Radiology. Radiology, 2018, 287, 323-325.	3.6	12
194	Are we at a crossroads or a plateau? Radiomics and machine learning in abdominal oncology imaging. Abdominal Radiology, 2019, 44, 1985-1989.	1.0	12
195	AN EFFICIENT FEATURE SELECTION ALGORITHM FOR COMPUTER-AIDED POLYP DETECTION. International Journal on Artificial Intelligence Tools, 2006, 15, 893-915.	0.7	11
196	Improving polyp detection algorithms for CT colonography: Pareto front approach. Pattern Recognition Letters, 2010, 31, 1461-1469.	2.6	11
197	CT Colonography Computer-Aided Polyp Detection. Academic Radiology, 2010, 17, 948-959.	1.3	11
198	Automated imageâ€based colon cleansing for laxativeâ€free CT colonography computerâ€aided polyp detection. Medical Physics, 2011, 38, 6633-6642.	1.6	11

#	Article	IF	Citations
199	Quantitative vertebral compression fracture evaluation using a height compass. Proceedings of SPIE, 2012, , .	0.8	11
200	Sequential Monte Carlo tracking of the marginal artery by multiple cue fusion and random forest regression. Medical Image Analysis, 2015, 19, 164-175.	7.0	11
201	Deep learning with orthogonal volumetric HED segmentation and 3D surface reconstruction model of prostate MRI. , 2017, , .		11
202	An analysis of robust cost functions for CNN in computer-aided diagnosis. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2018, 6, 253-258.	1.3	11
203	Computed tomographic and magnetic resonance colonography: Summary of progress from 1995 to 2000. Current Problems in Diagnostic Radiology, 2001, 30, 147-167.	0.6	10
204	Computer-aided polyp detection in CT colonography using an ensemble of support vector machines. International Congress Series, 2003, 1256, 1019-1024.	0.2	10
205	Assessment of Polyp and Mass Histopathology by Intravenous Contrastâ€“Enhanced CT Colonography. Academic Radiology, 2006, 13, 1490-1495.	1.3	10
206	Use of Variational Autoencoders with Unsupervised Learning to Detect Incorrect Organ Segmentations at CT. Radiology: Artificial Intelligence, 2021, 3, e200218.	3.0	10
207	Soft Multi-organ Shape Models via Generalized PCA: A General Framework. Lecture Notes in Computer Science, 2016, , 219-228.	1.0	10
208	Computer-Aided Detection of Polyps in a Colon Phantom: Effect of Scan Orientation, Polyp Size, Collimation, and Dose. Journal of Computer Assisted Tomography, 2002, 26, 1013-1018.	0.5	9
209	Computer aided detection of epidural masses on computed tomography scans. Computerized Medical Imaging and Graphics, 2014, 38, 606-612.	3.5	9
210	Holistic segmentation of the lung in cine MRI. Journal of Medical Imaging, 2017, 4, 1.	0.8	9
211	Cascaded coarse-to-fine convolutional neural networks for pericardial effusion localization and segmentation on CT scans. , 2018, , .		9
212	Image-Level Harmonization of Multi-site Data Using Image-and-Spatial Transformer Networks. Lecture Notes in Computer Science, 2020, , 710-719.	1.0	9
213	Deep Learning and Computer-Aided Diagnosis for Medical Image Processing: A Personal Perspective. Advances in Computer Vision and Pattern Recognition, 2017, , 3-10.	0.9	9
214	Computer-assisted detection of subcutaneous melanomas. Academic Radiology, 2004, 11, 678-685.	1.3	8
215	Reducing the false positive rate of computer aided detection for CT colonography using Content Based Image Retrieval. , 2009, , .		8
216	Colonic fold detection from computed tomographic colonography images using diffusion-FCM and level sets. Pattern Recognition Letters, 2010, 31, 876-883.	2.6	8

#	Article	IF	Citations
217	Automated extraction of anatomic landmarks on vertebrae based on anatomic knowledge and geometrical constraints. , 2014, , .		8
218	Mixed spine metastasis detection through positron emission tomography/computed tomography synthesis and multiclassifier. Journal of Medical Imaging, 2017, 4, 024504.	0.8	8
219	A Semi-Supervised CNN Learning Method with Pseudo-class Labels for Atherosclerotic Vascular Calcification Detection. , 2019, , .		8
220	CT Evaluation of Lymph Nodes That Merge or Split during the Course of a Clinical Trial: Limitations of RECIST 1.1. Radiology Imaging Cancer, 2021, 3, e200090.	0.7	8
221	Virtual Colonoscopy. JAMA - Journal of the American Medical Association, 2004, 292, 431.	3.8	8
222	The Evolving Status of Radiomics. Journal of the National Cancer Institute, 2020, 112, 869-870.	3.0	8
223	Lymph node detection in T2 MRI with transformers. , 2022, , .		8
224	Polyp segmentation method for CT colonography computer-aided detection. , 2003, , .		7
225	Mediastinal lymph node detection on thoracic CT scans using spatial prior from multi-atlas label fusion. Proceedings of SPIE, 2014, , .	0.8	7
226	Automated segmentation of the thyroid gland on thoracic CT scans by multiatlas label fusion and random forest classification. Journal of Medical Imaging, 2015, 2, 044006.	0.8	7
227	Associations among pericolonic fat, visceral fat, and colorectal polyps on CT colonography. Obesity, 2015, 23, 408-414.	1.5	7
228	Colitis detection on computed tomography using regional convolutional neural networks. , 2016, , .		7
229	Multi-atlas Segmentation with Joint Label Fusion of Osteoporotic Vertebral Compression Fractures on CT. Lecture Notes in Computer Science, 2016, , 74-84.	1.0	7
230	MR Virtual Angioscopy of Thoracic Aortic Atherosclerosis in Homozygous Familial Hypercholesterolemia. Journal of Computer Assisted Tomography, 2001, 25, 371-377.	0.5	6
231	3D colonic polyp segmentation using dynamic deformable surfaces. , 2004, , .		6
232	Automatic colonic polyp detection using multiobjective evolutionary techniques. , 2006, 6144, 1742.		6
233	Glycoprotein expression by adenomatous polyps of the colon. , 2008, , .		6
234	CAD of colon cancer on CT colonography cases without cathartic bowel preparation. , 2008, 2008, 2996-9.		6

#	Article	IF	Citations
235	Hierarchical patch generation for multilevel statistical shape analysis by principal factor analysis decomposition. , 2010, , .		6
236	Automated teniae coli detection and identification on computed tomographic colonography. Medical Physics, 2012, 39, 964-975.	1.6	6
237	Open-Source Radiation Exposure Extraction Engine (RE3) with Patient-Specific Outlier Detection. Journal of Digital Imaging, 2016, 29, 406-419.	1.6	6
238	Automated assessment of longitudinal biomarker changes at abdominal CT: correlation with subsequent cardiovascular events in an asymptomatic adult screening cohort. Abdominal Radiology, 2021, 46, 2976-2984.	1.0	6
239	Multimodal Image Driven Patient Specific Tumor Growth Modeling. Lecture Notes in Computer Science, 2013, 16, 283-290.	1.0	6
240	Multilevel UNet for pancreas segmentation from non-contrast CT scans through domain adaptation. , 2020, , .		6
241	Aortic Hypoplasia in Homozygous Familial Hypercholesterolemia. American Journal of Cardiology, 1998, 81, 1242-1243.	0.7	5
242	The effect of edge-preserving image smoothing on automatic colonic polyp detection for CT colonography. , 2006, , .		5
243	DETECTION AND SEGMENTATION OF COLONIC POLYPS ON HAUSTRAL FOLDS. , 2007, , .		5
244	Intra-patient colon surface registration based on t ni coli. , 2007, , .		5
245	Automated measurement and segmentation of abdominal adipose tissue in MRI. , 2010, , .		5
246	Current concepts in computer-aided detection for ct colonography. , 2010, , .		5
247	Sclerotic rib metastases detection on routine CT images. , 2012, , .		5
248	Automated detection of pelvic fractures from volumetric CT images. , 2012, , .		5
249	Matching 3-D Prone and Supine CT Colonography Scans Using Graphs. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 676-682.	3.6	5
250	Evaluation of Computer-aided Detection Devices. Academic Radiology, 2012, 19, 377-379.	1.3	5
251	Automatic segmentation of kidneys from non-contrast CT images using efficient belief propagation. , 2013, , .		5
252	Automatic anatomical labeling of abdominal arteries for small bowel evaluation on 3D CT scans. , 2013, , .		5

#	Article	IF	Citations
253	A Decomposable Model for the Detection of Prostate Cancer in Multi-parametric MRI. Lecture Notes in Computer Science, 2018, , 930-939.	1.0	5
254	Sequential Monte Carlo Tracking for Marginal Artery Segmentation on CT Angiography by Multiple Cue Fusion. Lecture Notes in Computer Science, 2013, 16, 518-525.	1.0	5
255	Virtual Contrast for Coronary Vessels Based on Level Set Generated Subvoxel Accurate Centerlines. International Journal of Biomedical Imaging, 2006, 2006, 1-8.	3.0	4
256	Hybrid committee classifier for a computerized colonic polyp detection system. , 2006, , .		4
257	Using Pareto fronts to evaluate polyp detection algorithms for CT colonography. , 2007, , .		4
258	CT Colonography Computer-Aided Polyp Detection using Topographical Height Map. , 2007, , .		4
259	Mesenteric vasculature-guided small bowel segmentation on high-resolution 3D CT angiography scans. , 2012, , .		4
260	Detection of vertebral degenerative disc disease based on cortical shell unwrapping. Proceedings of SPIE, 2013, , .	0.8	4
261	Automated segmentation of thyroid gland on CT images with multi-atlas label fusion and random classification forest. Proceedings of SPIE, 2015, , .	0.8	4
262	Segmenting The Kidney On CT Scans Via Crowdsourcing. , 2019, , .		4
263	Weakly Supervised Lesion Co-Segmentation on Ct Scans. , 2020, , .		4
264	Adult patient-specific CT organ dose estimations using automated segmentations and Monte Carlo simulations. Biomedical Physics and Engineering Express, 2020, 6, 045016.	0.6	4
265	Future Directions: Computer-Aided Diagnosis. , 2003, , 55-62.		4
266	Epidural Masses Detection on Computed Tomography Using Spatially-Constrained Gaussian Mixture Models. Lecture Notes in Computational Vision and Biomechanics, 2014, , 99-108.	0.5	4
267	Efficient False Positive Reduction in Computer-Aided Detection Using Convolutional Neural Networks and Random View Aggregation. Advances in Computer Vision and Pattern Recognition, 2017, , 35-48.	0.9	4
268	Characterizing Colonic Detections in CT Colonography Using Curvature-Based Feature Descriptor and Bag-of-Words Model. Lecture Notes in Computer Science, 2011, , 15-23.	1.0	4
269	A Variational Framework for Joint Detection and Segmentation of Ovarian Cancer Metastases. Lecture Notes in Computer Science, 2013, 16, 83-90.	1.0	4
270	Bone suppression on chest radiographs with adversarial learning. , 2020, , .		4

#	Article	IF	Citations
271	Current concepts and future directions in computer-aided diagnosis for CT colonography. , 2002, , 743-748.		4
272	Accurately identifying vertebral levels in large datasets. , 2020, , .		4
273	Applications of Artificial Intelligence in 18F-Sodium Fluoride Positron Emission Tomography/Computed Tomography. PET Clinics, 2022, 17, 115-135.	1.5	4
274	Hepatic Steatosis: CT-Based Prevalence in Adults in China and the United States and Associations With Age, Sex, and Body Mass Index. American Journal of Roentgenology, 2022, 218, 846-857.	1.0	4
275	<title>Fractal analysis of virtual endoscopy reconstructions</title>. , 1999, , .		3
276	Large-scale validation of a computer-aided polyp detection algorithm for CT colonography using cluster computing. , 2004, , .		3
277	Validating Pareto optimal operation parameters of polyp detection algorithms for CT colonography. , 2007, , .		3
278	Polyp height and width measurement using topographic height map. , 2008, , .		3
279	Automated labeling of anatomic segments of the colon in CT colonography. , 2009, , .		3
280	Prediction of polyp histology on CT colonography using content-based image retrieval. , 2010, , .		3
281	Computer-aided abdominal lymph node detection using contrast-enhanced CT images. Proceedings of SPIE, 2011, , .	0.8	3
282	Detection of pelvic fractures using graph cuts and curvatures. , 2011, , .		3
283	Abdominal multi-organ localization on contrast-enhanced CT based on maximum a posteriori probability and minimum volume overlap. , 2011, , .		3
284	Automatic detection of axillary lymphadenopathy on CT scans of untreated chronic lymphocytic leukemia patients. Proceedings of SPIE, 2012, , .	0.8	3
285	Predicting Polyp Location on Optical Colonoscopy From CT Colonography by Minimal-Energy Curve Modeling of the Colonoscope Path. IEEE Transactions on Biomedical Engineering, 2012, 59, 3531-3540.	2.5	3
286	Tumor growth modeling based on dual phase CT and FDG-PET. , 2013, , .		3
287	Augmenting tumor sensitive matching flow to improve detection and segmentation of ovarian cancer metastases within a PDE framework. , 2013, , .		3
288	Feasibility of Using the Marginal Blood Vessels as Reference Landmarks for CT Colonography. American Journal of Roentgenology, 2014, 202, W50-W58.	1.0	3

#	Article	IF	Citations
289	Computer Aided Detection of Bone Metastases in the Thoracolumbar Spine. Lecture Notes in Computational Vision and Biomechanics, 2015, , 97-130.	0.5	3
290	Automated segmentation of the thyroid gland on CT using multi-atlas label fusion and random forest. , 2015, , .		3
291	Retrieval, visualization, and mining of large radiation dosage data. Information Retrieval, 2016, 19, 38-58.	1.6	3
292	Learning Few-Shot Chest X-Ray Diagnosis Using Images From The Published Scientific Literature. , 2021, , .		3
293	Detection of Degenerative Osteophytes of the Spine on PET/CT Using Region-Based Convolutional Neural Networks. Lecture Notes in Computer Science, 2016, , 116-124.	1.0	3
294	Computer-Aided Polyp Detection for Laxative-Free CT Colonography. Lecture Notes in Computer Science, 2012, , 18-26.	1.0	3
295	Morphometric Methods for Virtual Endoscopy. , 2000, , 747-755.		3
296	Graph-Based Small Bowel Path Tracking with Cylindrical Constraints. , 2022, , .		3
297	Science to Practice: Detection of Active Colonic Hemorrhage with Use of Helical CT: Findings in a Swine Model. Radiology, 2003, 228, 599-600.	3.6	2
298	Automatic procedure to distinguish colonic polyps located on fold vs. not on fold. , 2006, 6143, 434.		2
299	Analysis of Kernel method for surface curvature estimation. , 2007, , .		2
300	Matching colonic polyps from prone and supine CT colonography scans based on statistical curvature information. , 2008, , .		2
301	Automated matching of supine and prone colonic polyps based on PCA and SVMs. , 2008, , .		2
302	High-performance computer aided detection system for polyp detection in CT colonography with fluid and fecal tagging. Proceedings of SPIE, 2009, , .	0.8	2
303	Graph matching based on mean field theory. , 2010, , .		2
304	Automatic colonic polyp shape determination using content-based image retrieval. Proceedings of SPIE, 2011, , .	0.8	2
305	Computer-aided mesenteric small vessel segmentation on high-resolution 3D contrast-enhanced CT angiography scans. , 2012, , .		2
306	Detection and station mapping of mediastinal lymph nodes on thoracic computed tomography using spatial prior from multi-atlas label fusion. , 2014, , .		2

#	Article	IF	Citations
307	Reducing false positives of small bowel segmentation on CT scans by localizing colon regions. , 2014, , .		2
308	Automatic identification of IASLC-defined mediastinal lymph node stations on CT scans using multi-atlas organ segmentation. Proceedings of SPIE, 2015, , .	0.8	2
309	Improving vertebra segmentation through joint vertebra-rib atlases. Proceedings of SPIE, 2016, , .	0.8	2
310	Nomograms for Automated Body Composition Analysis: A Crucial Step for Routine Clinical Implementation. Radiology, 2021, 298, 330-331.	3.6	2
311	Detection of Lymph Nodes in T2 MRI Using Neural Network Ensembles. Lecture Notes in Computer Science, 2021, , 682-691.	1.0	2
312	Manifold Diffusion for Exophytic Kidney Lesion Detection on Non-contrast CT Images. Lecture Notes in Computer Science, 2013, 16, 340-347.	1.0	2
313	Cardiovascular disease and all-cause mortality risk prediction from abdominal CT using deep learning. , 2022, , .		2
314	An integrated system for computer-aided diagnosis in CT colonography: work in progress. International Congress Series, 2001, 1230, 669-675.	0.2	1
315	Multinetwork classification scheme for detection of colonic polyps in CT colonography data sets. , 2002, 4683, 207.		1
316	Wavelet analysis in virtual colonoscopy. , 2006, , .		1
317	Centerline registration of prone and supine CT colonography scans based on correlation optimized warping and anatomical landmarks. , 2009, , .		1
318	Linear measurement of polyps in CT colonography using level sets on 3D surfaces. , 2009, 2009, 3617-20.		1
319	Employing anatomical knowledge in vertebral column labeling. , 2009, , .		1
320	Simultaneous morphology and molecular imaging of colon cancer. , 2009, , .		1
321	Combining heterogeneous features for colonic polyp detection in CTC based on semi-definite programming. , 2009, , .		1
322	Haustral fold detection for CT colonography images using Gabor filter. , 2010, , .		1
323	Improved method for predicting polyp location from CT colonography for optical colonoscopy. , 2010, , .		1
324	Improved 3D automatic segmentation and measurement of pleural effusions. , 2011, , .		1

#	Article	IF	Citations
325	Computer-aided teniae coli detection using height maps from computed tomographic colonography images. , 2011, , .		1
326	3D supine and prone colon registration for computed tomographic colonography scans based on graph matching. Proceedings of SPIE, 2011, , .	0.8	1
327	Computer-aided marginal artery detection on computed tomographic colonography. Proceedings of SPIE, 2012, , .	0.8	1
328	Automatic detection and segmentation of abdominopelvic lymph nodes on computed tomography scans. , 2012, , .		1
329	Supine and prone CT colonography registration by matching graphs of teniae coli. , 2012, , .		1
330	ROC-like optimization by sample ranking: Application to CT colonography. , 2012, , .		1
331	Tumor Response Assessment Using Volumetric Doubling Time. Academic Radiology, 2014, 21, 947-949.	1.3	1
332	Automatic Classification and Reporting of Multiple Common Thorax Diseases Using Chest Radiographs. Advances in Computer Vision and Pattern Recognition, 2019, , 393-412.	0.9	1
333	RSNA-MICCAI Panel Discussion: 2. Leveraging the Full Potential of Alâ€"Radiologists and Data Scientists Working Together. Radiology: Artificial Intelligence, 2021, 3, e210248.	3.0	1
334	CURRENT CONCEPTS IN COMPUTER-AIDED DETECTION FOR CT COLONOGRAPHY. , 2007, , .		0
335	COMPUTER-AIDED DETECTION OF COLONIC DIVERTICULAR DISEASE. , 2007, , .		0
336	Using the teniae coli as a registration tool in CT colonography. , 2007, , .		0
337	Collaborative classifiers in CT colonography CAD. , 2007, , .		0
338	DMLLE: a large-scale dimensionality reduction method for detection of polyps in CT colonography. Proceedings of SPIE, 2008, , .	0.8	0
339	A fast mean-field method for large-scale high-dimensional data and its application in colonic polyp detection at CT colonography. , 2009, , .		0
340	Matching colonic polyps using correlation optimized warping. Proceedings of SPIE, 2010, , .	0.8	0
341	Realistic colon simulation in CT colonography using mesh skinning. Proceedings of SPIE, 2010, , .	0.8	0
342	Computer vision approach to detect colonic polyps in computed tomographic colonography. Proceedings of SPIE, 2012, , .	0.8	0

#	Article	IF	Citations
343	Adipose Tissue Measurement Using Magnetic Resonance Imaging: A Survey. Current Medical Imaging, 2017, 13, .	0.4	0
344	Tracking diaphragm and chest wall movement on cine-MRI. , 2018, , .		0
345	Fine-Grained Lesion Annotation in CT Images With Knowledge Mined From Radiology Reports. , 2019, , .		0
346	Imaging Biomarkers to Assess Response to Immune Checkpoint Inhibitors in Solid Tumors to Tailor Therapy. Radiology, 2021, 299, 120-121.	3.6	0
347	Visual Phrase Learning and Its Application in Computed Tomographic Colonography. Lecture Notes in Computer Science, 2013, 16, 243-250.	1.0	0
348	Assessment of Aortoiliac Atherosclerotic Plaque on CT in Prostate Cancer Patients Undergoing Treatment. Tomography, 2022, 8, 607-616.	0.8	0