Zhengrong Liang

List of Publications by Year
in descending order

164 papers	4,418 citations	147801 31 h-index	114465 63 g-index
164 all docs	164 docs citations	164 times ranked	2917 citing authors

#	Article	IF	Citations
1	Penalized weighted least-squares approach to sinogram noise reduction and image reconstruction for low-dose X-ray computed tomography. IEEE Transactions on Medical Imaging, 2006, 25, 1272-1283.	8.9	425
2	Penalized weighted least-squares image reconstruction for dual energy X-ray transmission tomography. IEEE Transactions on Medical Imaging, 2000, 19, 1075-1081.	8.9	331
3	Adaptive-weighted total variation minimization for sparse data toward low-dose x-ray computed tomography image reconstruction. Physics in Medicine and Biology, 2012, 57, 7923-7956.	3.0	265
4	Nonlinear sinogram smoothing for low-dose X-ray CT. IEEE Transactions on Nuclear Science, 2004, 51, 2505-2513.	2.0	248
5	Texture Feature Analysis for Computer-Aided Diagnosis on Pulmonary Nodules. Journal of Digital Imaging, 2015, 28, 99-115.	2.9	214
6	Low-dose computed tomography image restoration using previous normal-dose scan. Medical Physics, 2011, 38, 5713-5731.	3.0	190
7	Variance analysis of x-ray CT sinograms in the presence of electronic noise background. Medical Physics, 2012, 39, 4051-4065.	3.0	147
8	In vivo MR imaging and spectroscopy using hyperpolarized129Xe. Magnetic Resonance in Medicine, 1996, 36, 183-191.	3.0	138
9	Iterative image reconstruction for cerebral perfusion CT using a pre-contrast scan induced edge-preserving prior. Physics in Medicine and Biology, 2012, 57, 7519-7542.	3.0	137
10	Radiomics assessment of bladder cancer grade using texture features from diffusion†weighted imaging. Journal of Magnetic Resonance Imaging, 2017, 46, 1281-1288.	3.4	123
11	A Simple Low-Dose X-Ray CT Simulation From High-Dose Scan. IEEE Transactions on Nuclear Science, 2015, 62, 2226-2233.	2.0	109
12	Reduction of false positives by internal features for polyp detection in CT-based virtual colonoscopy. Medical Physics, 2005, 32, 3602-3616.	3.0	92
13	Total Variation-Stokes Strategy for Sparse-View X-ray CT Image Reconstruction. IEEE Transactions on Medical Imaging, 2014, 33, 749-763.	8.9	91
14	Fast and Adaptive Detection of Pulmonary Nodules in Thoracic CT Images Using a Hierarchical Vector Quantization Scheme. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 648-659.	6.3	91
15	Radiomics Strategy for Molecular Subtype Stratification of Lower†Grade Glioma: Detecting IDH and _TP53_ Mutations Based on Multimodal MRI. Journal of Magnetic Resonance Imaging, 2018, 48, 916-926.	3.4	89
16	3D virtual colonoscopy. , 0, , .		81
17	Applications of nonlocal means algorithm in low†dose X†ray CT image processing and reconstruction: A review. Medical Physics, 2017, 44, 1168-1185.	3.0	79
18	Texture Feature Extraction and Analysis for Polyp Differentiation via Computed Tomography Colonography. IEEE Transactions on Medical Imaging, 2016, 35, 1522-1531.	8.9	75

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19	3D-GLCM CNN: A 3-Dimensional Gray-Level Co-Occurrence Matrix-Based CNN Model for Polyp Classification via CT Colonography. IEEE Transactions on Medical Imaging, 2020, 39, 2013-2024.	8.9	75
20	Quantitative Identification of Nonmuscle–Invasive and Muscle–Invasive Bladder Carcinomas: A Multiparametric MRI Radiomics Analysis. Journal of Magnetic Resonance Imaging, 2019, 49, 1489-1498.	3.4	71
21	Volumetric texture features from higher-order images for diagnosis of colon lesions via CT colonography. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 1021-1031.	2.8	65
22	Statistical image reconstruction for low-dose CT using nonlocal means-based regularization. Computerized Medical Imaging and Graphics, 2014, 38, 423-435.	5.8	64
23	A predictive nomogram for individualized recurrence stratification of bladder cancer using multiparametric MRI and clinical risk factors. Journal of Magnetic Resonance Imaging, 2019, 50, 1893-1904.	3.4	60
24	Extracting Information From Previous Full-Dose CT Scan for Knowledge-Based Bayesian Reconstruction of Current Low-Dose CT Images. IEEE Transactions on Medical Imaging, 2016, 35, 860-870.	8.9	59
25	Multiscale Penalized Weighted Least-Squares Sinogram Restoration for Low-Dose X-Ray Computed Tomography. IEEE Transactions on Biomedical Engineering, 2008, 55, 1022-1031.	4.2	54
26	Reliable path for virtual endoscopy: ensuring complete examination of human organs. IEEE Transactions on Visualization and Computer Graphics, 2001, 7, 333-342.	4.4	46
27	Robust Low-Dose CT Sinogram Preprocessing via Exploiting Noise-Generating Mechanism. IEEE Transactions on Medical Imaging, 2017, 36, 2487-2498.	8.9	44
28	Deriving adaptive MRF coefficients from previous normal–dose CT scan for low–dose image reconstruction via penalized weighted least–squares minimization. Medical Physics, 2014, 41, 041916.	3.0	43
29	A hybrid CNN feature model for pulmonary nodule malignancy risk differentiation. Journal of X-Ray Science and Technology, 2018, 26, 171-187.	1.0	43
30	Low-dose X-ray computed tomography image reconstruction with a combined low-mAs and sparse-view protocol. Optics Express, 2014, 22, 15190.	3.4	41
31	Statistical image reconstruction for low-dose CT using nonlocal means-based regularization. Part II: An adaptive approach. Computerized Medical Imaging and Graphics, 2015, 43, 26-35.	5.8	34
32	An investigation of CNN models for differentiating malignant from benign lesions using small pathologically proven datasets. Computerized Medical Imaging and Graphics, 2019, 77, 101645.	5.8	34
33	A texture feature analysis for diagnosis of pulmonary nodules using LIDC-IDRI database. , 2013, , .		33
34	Low-dose cerebral perfusion computed tomography image restoration via low-rank and total variation regularizations. Neurocomputing, 2016, 197, 143-160.	5.9	33
35	Expert knowledge-infused deep learning for automatic lung nodule detection. Journal of X-Ray Science and Technology, 2019, 27, 17-35.	1.0	30
36	Compensation for attenuation, scatter, and detector response in SPECT reconstruction via iterative FBP methods. Medical Physics, 1993, 20, 1097-1106.	3.0	27

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37	Low-Dose Dynamic Cerebral Perfusion Computed Tomography Reconstruction via Kronecker-Basis-Representation Tensor Sparsity Regularization. IEEE Transactions on Medical Imaging, 2017, 36, 2546-2556.	8.9	27
38	Virtual Colonoscopy Screening With Ultra Low-Dose CT and Less-Stressful Bowel Preparation: A Computer Simulation Study. IEEE Transactions on Nuclear Science, 2008, 55, 2566-2575.	2.0	24
39	A Feasibility Study of Extracting Tissue Textures From a Previous Full-Dose CT Database as Prior Knowledge for Bayesian Reconstruction of Current Low-Dose CT Images. IEEE Transactions on Medical Imaging, 2019, 38, 1981-1992.	8.9	24
40	Regularized reconstruction based on joint L_1 and total variation for sparse-view cone-beam X-ray luminescence computed tomography. Biomedical Optics Express, 2019, 10, 1.	2.9	23
41	Elaboration of a multimodal MRI-based radiomics signature for the preoperative prediction of the histological subtype in patients with non-small-cell lung cancer. BioMedical Engineering OnLine, 2020, 19, 5.	2.7	23
42	Noise properties of low-dose CT projections and noise treatment by scale transformations. , 0, , .		19
43	Guest Editorial Low-Dose CT: What Has Been Done, and What Challenges Remain?. IEEE Transactions on Medical Imaging, 2017, 36, 2409-2416.	8.9	19
44	An EM framework for segmentation of tissue mixtures from medical images. , 0, , .		18
45	A sparse representation and dictionary learning based algorithm for image restoration in the presence of Rician noise. Neurocomputing, 2018, 286, 130-140.	5.9	16
46	MRI volumetric analysis of multiple sclerosis: methodology and validation. IEEE Transactions on Nuclear Science, 2003, 50, 1686-1692.	2.0	15
47	An analytical inversion of the nonuniformly attenuated Radon transform with variable focal-length fan-beam collimators. IEEE Transactions on Nuclear Science, 2003, 50, 1541-1549.	2.0	15
48	An interactive fly-path planning using potential fields and cell decomposition for virtual endoscopy. IEEE Transactions on Nuclear Science, 1999, 46, 1045-1049.	2.0	14
49	Virtual colonoscopy versus optical colonoscopy. Expert Opinion on Medical Diagnostics, 2010, 4, 159-169.	1.6	14
50	Robust dynamic myocardial perfusion CT deconvolution for accurate residue function estimation via adaptive-weighted tensor total variation regularization: a preclinical study. Physics in Medicine and Biology, 2016, 61, 8135-8156.	3.0	14
51	Iterative reconstruction for sparse-view X-ray CT using alpha-divergence constrained total generalized variation minimization. Journal of X-Ray Science and Technology, 2017, 25, 673-688.	1.0	14
52	Assessment of prior image induced nonlocal means regularization for low‐dose <scp>CT</scp> reconstruction: Change in anatomy. Medical Physics, 2017, 44, e264-e278.	3.0	14
53	A harmonic decomposition reconstruction algorithm for spatially varying focal length collimators. IEEE Transactions on Medical Imaging, 1998, 17, 995-1002.	8.9	13
54	Low-mAs X-ray CT image reconstruction by adaptive-weighted TV-constrained penalized re-weighted least-squares. Journal of X-Ray Science and Technology, 2014, 22, 437-457.	1.0	13

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55	Correction to "Total Variation-Stokes Strategy for Sparse-View X-ray CT Image Reconstruction"[Mar 14 749-763]. IEEE Transactions on Medical Imaging, 2014, 33, 1004-1004.	8.9	13
56	GLCM-CNN: Gray Level Co-occurrence Matrix based CNN Model for Polyp Diagnosis. , 2019, , .		13
57	Textured-Based Deep Learning in Prostate Cancer Classification with 3T Multiparametric MRI: Comparison with PI-RADS-Based Classification. Diagnostics, 2021, 11, 1785.	2.6	13
58	Spectral CT Reconstruction via Low-Rank Representation and Region-Specific Texture Preserving Markov Random Field Regularization. IEEE Transactions on Medical Imaging, 2020, 39, 2996-3007.	8.9	11
59	Speed up of an analytical algorithm for nonuniform attenuation correction by using PC video/graphics card architecture. IEEE Transactions on Nuclear Science, 2004, 51, 726-732.	2.0	10
60	Integration of 3D scale-based pseudo-enhancement correction and partial volume image segmentation for improving electronic colon cleansing in CT colonograpy. Journal of X-Ray Science and Technology, 2014, 22, 271-283.	1.0	10
61	A new Mumford–Shah total variation minimization based model for sparse-view x-ray computed tomography image reconstruction. Neurocomputing, 2018, 285, 74-81.	5.9	10
62	Volumetric Textural Analysis of Colorectal Masses at CT Colonography. Academic Radiology, 2019, 26, 30-37.	2.5	10
63	Validation of the central-ray approximation for attenuated depth-dependent convolution in quantitative SPECT reconstruction. Physics in Medicine and Biology, 1997, 42, 433-439.	3.0	9
64	Benefits of angular expression to reconstruction algorithms for collimators with spatially varying focal lengths. IEEE Transactions on Medical Imaging, 1997, 16, 527-531.	8.9	9
65	An experimental system for robotic needle biopsy of lung nodules with respiratory motion. , 2011, , .		9
66	A dynamic lesion model for differentiation of malignant and benign pathologies. Scientific Reports, 2021, 11, 3485.	3.3	9
67	Multi-scale characterizations of colon polyps via computed tomographic colonography. Visual Computing for Industry, Biomedicine, and Art, 2019, 2, 25.	3.7	9
68	Analytical compensation for spatially variant detector response in SPECT with varying focal-length fan-beam collimators. IEEE Transactions on Nuclear Science, 2003, 50, 398-404.	2.0	8
69	Multilayer feature selection method for polyp classification via computed tomographic colonography. Journal of Medical Imaging, 2019, 6, 1.	1.5	8
70	Ray-driven analytical fan-beam SPECT reconstruction with nonuniform attenuation. , 0, , .		7
71	Partial volume segmentation of medical images. , 0, , .		7
72	A Task-Dependent Investigation on Dose and Texture in CT Image Reconstruction. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 441-449.	3.7	7

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73	Contrast-Medium Anisotropy-Aware Tensor Total Variation Model for Robust Cerebral Perfusion CT Reconstruction With Low-Dose Scans. IEEE Transactions on Computational Imaging, 2020, 6, 1375-1388.	4.4	7
74	A study on CT sinogram statistical distribution by information divergence theory. , 2011, , .		6
75	Characterization of tissueâ€specific preâ€log Bayesian CT reconstruction by textureâ€"dose relationship. Medical Physics, 2020, 47, 5032-5047.	3.0	6
76	Improved computer-aided detection of pulmonary nodules via deep learning in the sinogram domain. Visual Computing for Industry, Biomedicine, and Art, 2019, 2, 15.	3.7	6
77	A theoretically based pre-reconstructing filter for spatio-temporal noise reduction in gated cardiac SPECT. , 0, , .		5
78	Different Lung Nodule Detection Tasks at Different Dose Levels by Different Computed Tomography Image Reconstruction Strategies. , 2018, , .		5
79	Predicting Unnecessary Nodule Biopsies from a Small, Unbalanced, and Pathologically Proven Dataset by Transfer Learning. Journal of Digital Imaging, 2020, 33, 685-696.	2.9	5
80	An Efficient Augmented Lagrangian Method for Statistical X-Ray CT Image Reconstruction. PLoS ONE, 2015, 10, e0140579.	2.5	5
81	An Adaptive Learning Model for Multiscale Texture Features in Polyp Classification via Computed Tomographic Colonography. Sensors, 2022, 22, 907.	3.8	5
82	Image fusion for low-dose computed tomography reconstruction. , 2011, , .		4
83	Sparse angular X-ray cone beam CT image iterative reconstruction using normal-dose scan induced nonlocal prior. , 2012, , .		4
84	Texture Feature Analysis of Neighboring Colon Wall for Colorectal Polyp Classification. , 2017, , .		4
85	A machine learning approach to construct a tissue-specific texture prior from previous full-dose CT for Bayesian reconstruction of current ultralow-dose CT images. , 2019, , .		4
86	Constructing a tissue-specific texture prior by machine learning from previous full-dose scan for Bayesian reconstruction of current ultralow-dose CT images. Journal of Medical Imaging, 2020, 7, 1.	1.5	4
87	Reconstruction Of Object-specific Attenuation Map For Quantitative SPECT. , 0, , .		3
88	Inclusion of a priori information in frequency space for quantitative SPECT imaging. , 0, , .		3
89	A Precise calculation of bladder wall thickness for detection of bladder abnormalities via MR cystography. , 2011, , .		3
90	A feasibility study of high order volumetric texture features for computer aided diagnosis of polyps via CT colonography. , 2012, , .		3

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91	Semi-supervised graph embedding-based feature extraction and adaptive kernel-based classification for computer-aided detection in CT colonography. , 2012, , .		3
92	Vector quantization-based automatic detection of pulmonary nodules in thoracic CT images. , 2013, , .		3
93	Iterative image reconstruction for low-dose x-ray CT using a sinogram restoration induced edge-preserving prior. , 2014, , .		3
94	Random forest based computer-aided detection of polyps in CT colonography. , 2014, , .		3
95	Texture-preserved penalized weighted least-squares reconstruction of low-dose CT image via image segmentation and high-order MRF modeling. Proceedings of SPIE, 2016, , .	0.8	3
96	Energy enhanced tissue texture in spectral computed tomography for lesion classification. Visual Computing for Industry, Biomedicine, and Art, 2019, 2, 16.	3.7	3
97	Vector textures derived from higher order derivative domains for classification of colorectal polyps. Visual Computing for Industry, Biomedicine, and Art, 2022, 5, .	3.7	3
98	An investigation on analytical methods for correction of distance-dependent resolution variation in 3D SPECT imaging. , 0, , .		2
99	Feasibility studies of virtual laryngoscopy by CT and MRI-from data acquisition, image segmentation, to interactive visualization. IEEE Transactions on Nuclear Science, 2001, 48, 51-57.	2.0	2
100	A noise reduction method for non-stationary noise model of SPECT sinogram based on Kalman filter. , 0, , .		2
101	Compensation for nonstationary detector response in analytical varying focal-length fan-beam SPECT reconstruction. , 0, , .		2
102	A unifying framework for inhomogeneity correction and partial volume segmentation of brain MR images. , 0, , .		2
103	GUEST EDITORIAL: MEDICAL IMAGING INFORMATICS â€" AN INFORMATION PROCESSING FROM IMAGE FORMATION TO VISUALIZATION. International Journal of Image and Graphics, 2007, 07, 1-15.	1.5	2
104	Penalized weighted alpha-divergence approach to sinogram restoration for low-dose X-ray computed tomography. , 2012, , .		2
105	A novel colon wall flattening model for computed tomographic colonography: method and validation. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2015, 3, 213-221.	1.9	2
106	A Fractional Active Contour Model for Medical Image Segmentation. , 2017, , .		2
107	Characterizing CT Reconstruction of Pre-log Transmission Data toward Ultra-low Dose Imaging by Texture Measures. , 2018, , .		2
108	Statistical CT reconstruction using region-aware texture preserving regularization learning from prior normal-dose CT image. Physics in Medicine and Biology, 2018, 63, 225020.	3.0	2

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109	Partial volume correction for arterial spin labeling using the inherent perfusion information of multiple measurements. BioMedical Engineering OnLine, 2019, 18, 12.	2.7	2
110	Bayesian reconstruction of ultralow-dose CT images with texture prior from existing diagnostic full-dose CT database. , 2019, , .		2
111	3D reconstruction and visualisation of the inner surface of the colon from spiral CT data. , 0, , .		1
112	A new model for tracing first-order Compton scatter in quantitative SPECT imaging. , 0, , .		1
113	The possibility of complete restoration of variable collimator response in SPECT imaging. , 0, , .		1
114	A ray-driven approach to analytical SPECT reconstruction of non-uniform attenuation with variable focal-length fan-beam collimators. , 0, , .		1
115	Mixture-Based Bone Segmentation and Its Application in Computer Aided Diagnosis and Treatment Planning. , 0, , .		1
116	Inversion of the attenuated radon transform for non-parallel geometries. , 0, , .		1
117	Gain of KL-domain adaptive FBP image reconstruction for 4-D dynamic CT. , 2007, , .		1
118	An investigation on computed tomography image reconstruction with compressed sensing by 1 l norm prior image constraints. , 2011, , .		1
119	Efficient colon wall flattening by improved conformal mapping methodologies for computed tomography colonography. , 2011, , .		1
120	A comparison study on ray-driven approximation in re-projection and back-projection for CT reconstruction. , 2011, , .		1
121	Evaluation of classifiers for computer-aided detection in computed tomography colonography. , 2011, , .		1
122	Statistical sinogram restoration for single photon emission computed tomography. , 2013, , .		1
123	Alpha divergence based registration of dynamic scans for MR cystography. , 2014, , .		1
124	A Novel Hybrid Active Contour Model for Medical Image Segmentation Driven by Legendre Polynomials. , 2018, , .		1
125	A New Look at Gray-level Co-occurrence for Multi-scale Texture Descriptor with Applications to Characterize Colorectal Polyps via Computed Tomographic Colonography. , 2018, , .		1
126	Spectral CT Inspired Data Engineering for Colon Polyp Classification. , 2019, , .		1

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127	Hyperparameter Selection for Bayesian Image Reconstruction by Mimicking Physical Crystallization. , 2020, , .		1
128	Interactive volume rendering for virtual colonoscopy. , 0, , .		0
129	Electronic colon cleansing by colonic material tagging and image segmentation for polyp detection: detection model and method evaluation. , 0, , .		0
130	An investigation on the property and fast implementation of a ray-driven method for inversion of the attenuated Radon transform with variable focusing fan-beam collimators. , 2003, , .		0
131	Volumetric analysis of multiple sclerosis using multispectral MR images: method and validation. , 0, , .		0
132	FBP algorithms for attenuated fan-beam projections. , 0, , .		0
133	A study on truncated cone-beam sampling strategies for 3D mammography. , 0, , .		0
134	Consistency Condition and ML-EM Checkerboard Artifacts. , 2006, , .		0
135	Virtual colonoscopy screening with ultra low-dose CT: A simulation study. , 2007, , .		0
136	An Improved Analytical Reconstruction for Gated Cardiac SPECT Based on Intra-Frame Similarity. , 2007, , .		0
137	Spatially-adaptive analytical reconstruction of quantitative gated cardiac SPECT in KL domain. , 2007, , .		0
138	Model parameter estimation and tissue mixture segmentation by a MAP-EM algorithm. , 2007, , .		0
139	Multiplicative versus Additive Bias Field Models for Unified Partial-Volume Segmentation and Inhomogeneity Correction in Brain MR Images. , 2008, , .		0
140	Fully 4D Cardiac Gated SPECT Reconstruction with Simultaneous Compensation in KL Domain. , 2008, , .		0
141	Erratum to â€œAn EM Approach to MAP Solution of Segmenting Tissue Mixtures: A Numerical Analysisâ€. IEEE Transactions on Medical Imaging, 2009, 28, 631-631.	8.9	0
142	A comparison study of low-dose CT image reconstruction strategies by adapted weighted total variation regularization. , 2012, , .		0
143	A comparison study on KL domain penalized weighted least-squares approach to noise reduction for low-dose cone-beam CT. , 2012, , .		0
144	The segmentation of MR bladder wall in 3D based on minimum closed set model. , 2013, , .		0

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145	Improved area-simulating-volume method for 3D X-ray CT re-projection and back-projection operations. , 2013, , .		0
146	An approach to system optimization for X-Ray photon-counting systems using performance on a detection/localization task. , 2013, , .		0
147	A novel computer aided detection (CADe) scheme for colonic polyps based on colon structure decomposition. , 2013, , .		0
148	A comparison study of total variation stokes strategy for low-dose CT image reconstruction. , 2013, , .		0
149	A feasibility study of high order texture features with application to pathological diagnosis of colon lesions for CT Colonography. , 2013, , .		0
150	Second order total generalized variation for low-dose computed tomography image reconstruction. , 2014, , .		0
151	An expectation-maximization approach for partial volume estimation of arterial spin labeled MRI data: A feasibility study. , 2014, , .		0
152	Multiple kernel learning with adaptive kernel method for computer-aided detection of colonic polyps. , 2014, , .		0
153	A mixture classifier for computer aided diagnosis of polyp malignancy for CT colonography. , 2014, , .		0
154	An application of KL transform in feature extraction and selection for polyp differentiation via CT colonography. , 2014, , .		0
155	Iteratively reweighted least-squares implementation for accurate extraction of prior knowledge for Bayesian image reconstruction. , 2015, , .		0
156	New texture features for improved differentiation of hyperplastic polyps from adenomas via computed tomography colonoscopy. , 2015, , .		0
157	Noise suppression for cerebral perfusion CT via intrinsic tensor sparsity regularization: Initial study. , 2016, , .		0
158	Statistical image reconstruction for low-dose dual energy CT using alpha-divergence constrained spectral redundancy information. , 2016, , .		0
159	An Adaptive Boosting Strategy for GLCM-CNN Model in Differentiating the Malignant from Benign Polyps. , 2019, , .		0
160	A Novel Colon Wall Flattening Model for Computed Tomographic Colonography: Method and Validation. Lecture Notes in Computational Vision and Biomechanics, 2014, 13, 1-14.	0.5	0
161	Adaptive kernel based multiple kernel learning for computer-aided polyp detection in CT colonography. Geometry Imaging and Computing, 2015, 2, 23-45.	0.8	0
162	An Adaptive Multi-channel Feature-fusion Model for Polyp Classification. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
163	An Expert-driven Computer-aided Classification for Database Construction: Its Impact to Predict Polyp Sub-types via Computed Tomographic Colonography. , 2020, , .		0
164	Differentiating COVID-19 Cases from Others by an Anatomy Similarity-Inspired Sensitive Merit from CT Images. , 2020, , .		0