

Yefeng Zheng

List of Publications by Year in descending order

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215
papers

7,040
citations

73966

38
h-index

75995

70
g-index

223
all docs

223
docs citations

223
times ranked

6592
citing authors

#	ARTICLE	IF	CITATIONS
1	Four-Chamber Heart Modeling and Automatic Segmentation for 3-D Cardiac CT Volumes Using Marginal Space Learning and Steerable Features. IEEE Transactions on Medical Imaging, 2008, 27, 1668-1681.	9.2	490
2	The Medical Segmentation Decathlon. Nature Communications, 2022, 13, .	13.2	352
3	Robust point matching for nonrigid shapes by preserving local neighborhood structures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 643-649.	15.3	255
4	Translating and Segmenting Multimodal Medical Volumes with Cycle- and Shape-Consistency Generative Adversarial Network. , 2018, , .		251
5	Combo loss: Handling input and output imbalance in multi-organ segmentation. Computerized Medical Imaging and Graphics, 2019, 75, 24-33.	6.1	239
6	Multi-Scale Deep Reinforcement Learning for Real-Time 3D-Landmark Detection in CT Scans. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 176-189.	15.3	231
7	Morphological diversity of single neurons in molecularly defined cell types. Nature, 2021, 598, 174-181.	36.3	214
8	A global benchmark of algorithms for segmenting the left atrium from late gadolinium-enhanced cardiac magnetic resonance imaging. Medical Image Analysis, 2021, 67, 101832.	11.8	177
9	Script-Independent Text Line Segmentation in Freestyle Handwritten Documents. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1313-1329.	15.3	159
10	Machine printed text and handwriting identification in noisy document images. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 337-353.	15.3	146
11	Benchmark for Algorithms Segmenting the Left Atrium From 3D CT and MRI Datasets. IEEE Transactions on Medical Imaging, 2015, 34, 1460-1473.	9.2	146
12	Marginal Space Deep Learning: Efficient Architecture for Volumetric Image Parsing. IEEE Transactions on Medical Imaging, 2016, 35, 1217-1228.	9.2	126
13	X2CT-GAN: Reconstructing CT From Biplanar X-Rays With Generative Adversarial Networks. , 2019, , .		112
14	Preoperative identification of microvascular invasion in hepatocellular carcinoma by XGBoost and deep learning. Journal of Cancer Research and Clinical Oncology, 2021, 147, 821-833.	2.6	105
15	Fast Automatic Heart Chamber Segmentation from 3D CT Data Using Marginal Space Learning and Steerable Features. , 2007, , .		104
16	Spine detection in CT and MR using iterated marginal space learning. Medical Image Analysis, 2013, 17, 1283-1292.	11.8	102
17	Rubik's Cube+: A self-supervised feature learning framework for 3D medical image analysis. Medical Image Analysis, 2020, 64, 101746.	11.8	100
18	Hierarchical, learning-based automatic liver segmentation. , 2008, , .		99

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19	Deep similarity learning for multimodal medical images. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2018, 6, 248-252.	2.0	97
20	Deep Representation-Based Domain Adaptation for Nonstationary EEG Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 535-545.	12.6	97
21	3D Deep Learning for Efficient and Robust Landmark Detection in Volumetric Data. <i>Lecture Notes in Computer Science</i> , 2015, , 565-572.	0.2	90
22	Inconsistency-Aware Uncertainty Estimation for Semi-Supervised Medical Image Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 608-620.	9.2	89
23	Self-supervised Feature Learning for 3D Medical Images by Playing a Rubikâ€™s Cube. <i>Lecture Notes in Computer Science</i> , 2019, , 420-428.	0.2	84
24	Automatic Aorta Segmentation and Valve Landmark Detection in C-Arm CT for Transcatheter Aortic Valve Implantation. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 2307-2321.	9.2	83
25	Learning Calibrated Medical Image Segmentation via Multi-rater Agreement Modeling. , 2021, , .		78
26	Computer-Aided Cervical Cancer Diagnosis Using Time-Lapsed Colposcopic Images. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3403-3415.	9.2	75
27	Towards cross-modal organ translation and segmentation: A cycle- and shape-consistent generative adversarial network. <i>Medical Image Analysis</i> , 2019, 52, 174-184.	11.8	70
28	An evaluation of automatic coronary artery calcium scoring methods with cardiac CT using the orCaScore framework. <i>Medical Physics</i> , 2016, 43, 2361-2373.	3.1	69
29	From Rain Generation to Rain Removal. , 2021, , .		62
30	MIL-VT: Multiple Instance Learning Enhanced Vision Transformer for Fundus Image Classification. <i>Lecture Notes in Computer Science</i> , 2021, , 45-54.	0.2	59
31	Efficient and Effective Training of COVID-19 Classification Networks With Self-Supervised Dual-Track Learning to Rank. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 2787-2797.	6.9	58
32	Dynamic Joint Domain Adaptation Network for Motor Imagery Classification. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 556-565.	5.0	55
33	Iterative Multi-domain Regularized Deep Learning for Anatomical Structure Detection and Segmentation from Ultrasound Images. <i>Lecture Notes in Computer Science</i> , 2016, , 487-495.	0.2	55
34	Signature Detection and Matching for Document Image Retrieval. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2009, 31, 2015-2031.	15.3	54
35	Prediction Based Collaborative Trackers (PCT): A Robust and Accurate Approach Toward 3D Medical Object Tracking. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 1921-1932.	9.2	54
36	Anomaly Detection for Medical Images Using Self-Supervised and Translation-Consistent Features. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3641-3651.	9.2	54

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37	Real-time 2D/3D registration via CNN regression. , 2016, , .		53
38	Development and validation of an artificial intelligence system for grading colposcopic impressions and guiding biopsies. BMC Medicine, 2020, 18, 406.	5.7	51
39	Robust and Accurate Coronary Artery Centerline Extraction in CTA by Combining Model-Driven and Data-Driven Approaches. Lecture Notes in Computer Science, 2013, 16, 74-81.	0.2	50
40	Comparing to Learn: Surpassing ImageNet Pretraining on Radiographs by Comparing Image Representations. Lecture Notes in Computer Science, 2020, , 398-407.	0.2	47
41	Self-Loop Uncertainty: A Novel Pseudo-Label for Semi-supervised Medical Image Segmentation. Lecture Notes in Computer Science, 2020, , 614-623.	0.2	45
42	Cross-modal coherent registration of whole mouse brains. Nature Methods, 2022, 19, 111-118.	19.6	45
43	Deep Symmetric Adaptation Network for Cross-Modality Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2022, 41, 121-132.	9.2	44
44	Multi-task Neural Networks with Spatial Activation for Retinal Vessel Segmentation and Artery/Vein Classification. Lecture Notes in Computer Science, 2019, , 769-778.	0.2	44
45	Detection, Grading and Classification of Coronary Stenoses in Computed Tomography Angiography. Lecture Notes in Computer Science, 2011, 14, 25-32.	0.2	44
46	Uncertainty-aware domain alignment for anatomical structure segmentation. Medical Image Analysis, 2020, 64, 101732.	11.8	43
47	Automatic Aorta Segmentation and Valve Landmark Detection in C-Arm CT: Application to Aortic Valve Implantation. Lecture Notes in Computer Science, 2010, 13, 476-483.	0.2	41
48	Self supervised deep representation learning for fine-grained body part recognition. , 2017, , .		41
49	LT-Net: Label Transfer by Learning Reversible Voxel-Wise Correspondence for One-Shot Medical Image Segmentation. , 2020, , .		41
50	All-Around Real Label Supervision: Cyclic Prototype Consistency Learning for Semi-Supervised Medical Image Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3174-3184.	6.9	40
51	A parallel-line detection algorithm based on HMM decoding. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 777-792.	15.3	35
52	Attentive CT Lesion Detection Using Deep Pyramid Inference with Multi-scale Booster. Lecture Notes in Computer Science, 2019, , 301-309.	0.2	35
53	Marginal Space Learning for Efficient Detection of 2D/3D Anatomical Structures in Medical Images. Lecture Notes in Computer Science, 2009, 21, 411-422.	0.2	35
54	Revisiting Rubik's Cube: Self-supervised Learning with Volume-Wise Transformation for 3D Medical Image Segmentation. Lecture Notes in Computer Science, 2020, , 238-248.	0.2	33

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55	Instance-Aware Self-supervised Learning for Nuclei Segmentation. Lecture Notes in Computer Science, 2020, , 341-350.	0.2	32
56	Review of Deep Learning Methods in Mammography, Cardiovascular, and Microscopy Image Analysis. Advances in Computer Vision and Pattern Recognition, 2017, , 11-32.	0.0	32
57	Multi-Part Modeling and Segmentation of Left Atrium in C-Arm CT for Image-Guided Ablation of Atrial Fibrillation. IEEE Transactions on Medical Imaging, 2014, 33, 318-331.	9.2	31
58	Multi-scale Structural Saliency for Signature Detection. , 2007, , .		30
59	Prototypical Graph Contrastive Learning. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 2747-2758.	12.6	30
60	A semi-supervised multi-task learning framework for cancer classification with weak annotation in whole-slide images. Medical Image Analysis, 2023, 83, 102652.	11.8	30
61	Detection of 3D Spinal Geometry Using Iterated Marginal Space Learning. Lecture Notes in Computer Science, 2011, , 96-105.	0.2	28
62	System to Guide Transcatheter Aortic Valve Implantations Based on Interventional C-Arm CT Imaging. Lecture Notes in Computer Science, 2010, 13, 375-382.	0.2	28
63	INPREM: An Interpretable and Trustworthy Predictive Model for Healthcare. , 2020, , .		28
64	Unsupervised Domain Adaptation for Medical Image Segmentation by Disentanglement Learning and Self-Training. IEEE Transactions on Medical Imaging, 2024, 43, 4-14.	9.2	27
65	The Segmentation and Identification of Handwriting in Noisy Document Images. Lecture Notes in Computer Science, 2002, , 95-105.	0.2	26
66	Ambiguity-selective consistency regularization for mean-teacher semi-supervised medical image segmentation. Medical Image Analysis, 2023, 88, 102880.	11.8	26
67	Machine learning based vesselness measurement for coronary artery segmentation in cardiac CT volumes. Proceedings of SPIE, 2011, , .	1.0	25
68	A Unified Framework for Generalized Low-Shot Medical Image Segmentation With Scarce Data. IEEE Transactions on Medical Imaging, 2021, 40, 2656-2671.	9.2	25
69	Precise Segmentation of Multiple Organs in CT Volumes Using Learning-Based Approach and Information Theory. Lecture Notes in Computer Science, 2012, 15, 462-469.	0.2	25
70	DICDNet: Deep Interpretable Convolutional Dictionary Network for Metal Artifact Reduction in CT Images. IEEE Transactions on Medical Imaging, 2022, 41, 869-880.	9.2	25
71	Constrained marginal space learning for efficient 3D anatomical structure detection in medical images. , 2009, , .		24
72	Anti-Interference From Noisy Labels: Mean-Teacher-Assisted Confident Learning for Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2022, 41, 3062-3073.	9.2	24

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73	Coronary Centerline Extraction via Optimal Flow Paths and CNN Path Pruning. Lecture Notes in Computer Science, 2016, , 317-325.	0.2	23
74	Form frame line detection with directional single-connected chain. , 0, , .		22
75	Multi-Anchor Active Domain Adaptation for Semantic Segmentation. , 2021, , .		21
76	A fast and accurate tracking algorithm of left ventricles in 3D echocardiography. , 2008, 5, 221-224.		20
77	Crossover-Net: Leveraging vertical-horizontal crossover relation for robust medical image segmentation. Pattern Recognition, 2021, 113, 107756.	8.5	20
78	InDuDoNet: An Interpretable Dual Domain Network for CT Metal Artifact Reduction. Lecture Notes in Computer Science, 2021, , 107-118.	0.2	20
79	Noisy Labels are Treasure: Mean-Teacher-Assisted Confident Learning for Hepatic Vessel Segmentation. Lecture Notes in Computer Science, 2021, , 3-13.	0.2	20
80	OctopusNet: A Deep Learning Segmentation Network for Multi-modal Medical Images. Lecture Notes in Computer Science, 2020, , 17-25.	0.2	20
81	Domain Adaptation Meets Zero-Shot Learning: An Annotation-Efficient Approach to Multi-Modality Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2022, 41, 1043-1056.	9.2	20
82	Noninvasive hemodynamic assessment, treatment outcome prediction and follow-up of aortic coarctation from MR imaging. Medical Physics, 2015, 42, 2143-2156.	3.1	19
83	Deep Reinforcement Learning for Vessel Centerline Tracing in Multi-modality 3D Volumes. Lecture Notes in Computer Science, 2018, , 755-763.	0.2	19
84	A discriminative model-constrained EM approach to 3D MRI brain tissue classification and intensity non-uniformity correction. Physics in Medicine and Biology, 2011, 56, 3269-3300.	3.1	17
85	Adaptive random forest — How many “experts” to ask before making a decision?. , 2011, , .		17
86	Pairwise learning for medical image segmentation. Medical Image Analysis, 2021, 67, 101876.	11.8	17
87	GREEN: a Graph RESidual rE-ranking Network for Grading Diabetic Retinopathy. Lecture Notes in Computer Science, 2020, , 585-594.	0.2	17
88	Fast Automatic Detection of Calcified Coronary Lesions in 3D Cardiac CT Images. Lecture Notes in Computer Science, 2010, , 1-9.	0.2	17
89	Beyond Mutual Information: Generative Adversarial Network for Domain Adaptation Using Information Bottleneck Constraint. IEEE Transactions on Medical Imaging, 2022, 41, 595-607.	9.2	17
90	Fast and Automatic Heart Isolation in 3D CT Volumes: Optimal Shape Initialization. Lecture Notes in Computer Science, 2010, , 84-91.	0.2	16

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91	Pyramid Network with Online Hard Example Mining for Accurate Left Atrium Segmentation. Lecture Notes in Computer Science, 2019, , 237-245.	0.2	16
92	Generative Adversarial Networks for Video-to-Video Domain Adaptation. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 3462-3469.	5.1	16
93	<title>Single-character type identification </title>. , 2001, , .		15
94	Text identification in noisy document images using Markov random model. , 0, , .		15
95	Patient-specific modeling of left heart anatomy, dynamics and hemodynamics from high resolution 4D CT. , 2010, , .		15
96	A hybrid method for 2-D/3-D registration between 3-D volumes and 2-D angiography for trans-catheter aortic valve implantation (TAVI). , 2011, , .		15
97	Conquering Data Variations in Resolution: A Slice-Aware Multi-Branch Decoder Network. IEEE Transactions on Medical Imaging, 2020, 39, 4174-4185.	9.2	15
98	GRAND: A large-scale dataset and benchmark for cervical intraepithelial Neoplasia grading with fine-grained lesion description. Medical Image Analysis, 2021, 70, 102006.	11.8	15
99	TR-GAN: Topology Ranking GAN with Triplet Loss for Retinal Artery/Vein Classification. Lecture Notes in Computer Science, 2020, , 616-625.	0.2	15
100	3D ultrasound tracking of the left ventricle using one-step forward prediction and data fusion of collaborative trackers. , 2008, , .		14
101	Automatic and efficient contrast-based 2-D/3-D fusion for trans-catheter aortic valve implantation (TAVI). Computerized Medical Imaging and Graphics, 2013, 37, 150-161.	6.1	14
102	Automatic Segmentation of Spinal Canals in CT Images via Iterative Topology Refinement. IEEE Transactions on Medical Imaging, 2015, 34, 1694-1704.	9.2	14
103	Multi-Modality Generative Adversarial Networks with Tumor Consistency Loss for Brain MR Image Synthesis. , 2020, , .		14
104	Select, Attend, and Transfer: Light, Learnable Skip Connections. Lecture Notes in Computer Science, 2019, , 417-425.	0.2	14
105	Seg4Reg Networks for Automated Spinal Curvature Estimation. Lecture Notes in Computer Science, 2020, , 69-74.	0.2	14
106	Superpixel-Guided Label Softening for Medical Image Segmentation. Lecture Notes in Computer Science, 2020, , 227-237.	0.2	14
107	Deep Learning Based Automatic Segmentation of Pathological Kidney in CT: Local Versus Global Image Context. Advances in Computer Vision and Pattern Recognition, 2017, , 241-255.	0.0	14
108	Detecting Text Lines in Handwritten Documents. , 2006, , .		13

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109	Evaluation of interpolation methods for surface-based motion compensated tomographic reconstruction for cardiac angiographic C-arm data. <i>Medical Physics</i> , 2013, 40, 031107.	3.1	13
110	A medical multimodal large language model for future pandemics. <i>Npj Digital Medicine</i> , 2023, 6, .	11.4	13
111	Handwriting matching and its application to handwriting synthesis. , 2005, , .		12
112	Precise Lumen Segmentation in Coronary Computed Tomography Angiography. <i>Lecture Notes in Computer Science</i> , 2014, , 137-147.	0.2	12
113	Multi-part Left Atrium Modeling and Segmentation in C-Arm CT Volumes for Atrial Fibrillation Ablation. <i>Lecture Notes in Computer Science</i> , 2011, 14, 487-495.	0.2	12
114	Classification-Based Spatial Error Concealment for Visual Communications. <i>Eurasip Journal on Advances in Signal Processing</i> , 2006, 2006, 1.	1.8	11
115	Motion-Compensated Mega-Voltage Cone Beam CT Using the Deformation Derived Directly From 2D Projection Images. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 1365-1375.	9.2	11
116	Seg4Reg+: Consistency Learning Between Spine Segmentation and Cobb Angle Regression. <i>Lecture Notes in Computer Science</i> , 2021, , 490-499.	0.2	11
117	Leveraging Undiagnosed Data for Glaucoma Classification with Teacher-Student Learning. <i>Lecture Notes in Computer Science</i> , 2020, , 731-740.	0.2	11
118	Self-Supervised CycleGAN for Object-Preserving Image-to-Image Domain Adaptation. <i>Lecture Notes in Computer Science</i> , 2020, , 498-513.	0.2	11
119	Robust object detection using marginal space learning and ranking-based multi-detector aggregation: Application to left ventricle detection in 2D MRI images. , 2009, , .		10
120	Learning-Based Detection and Tracking in Medical Imaging: A Probabilistic Approach. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2013, , 209-235.	0.0	10
121	Face Completion with Semantic Knowledge and Collaborative Adversarial Learning. <i>Lecture Notes in Computer Science</i> , 2019, , 382-397.	0.2	10
122	Difficulty-Aware Glaucoma Classification with Multi-rater Consensus Modeling. <i>Lecture Notes in Computer Science</i> , 2020, , 741-750.	0.2	10
123	Signature-Based Document Image Retrieval. <i>Lecture Notes in Computer Science</i> , 2008, , 752-765.	0.2	10
124	Unsupervised Representation Learning for Tissue Segmentation in Histopathological Images: From Global to Local Contrast. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 3611-3623.	9.2	10
125	Robust point matching for two-dimensional nonrigid shapes. , 2005, , .		9
126	Precise segmentation of the left atrium in C-arm CT volumes with applications to atrial fibrillation ablation. , 2012, , .		9

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127	Reliable extraction of the mid-sagittal plane in 3D brain MRI via hierarchical landmark detection. , 2014, , .		9
128	CTA Coronary Labeling through Efficient Geodesics between Trees Using Anatomy Priors. Lecture Notes in Computer Science, 2014, 17, 521-528.	0.2	9
129	A model-based line detection algorithm in documents. , 0, , .		8
130	Computer Aided Diagnosis Using Multilevel Image Features on Large-Scale Evaluation. Lecture Notes in Computer Science, 2014, , 161-174.	0.2	8
131	Marginal Space Deep Learning: Efficient Architecture for Detection in Volumetric Image Data. Lecture Notes in Computer Science, 2015, , 710-718.	0.2	8
132	MI ² GAN: Generative Adversarial Network for Medical Image Domain Adaptation Using Mutual Information Constraint. Lecture Notes in Computer Science, 2020, , 516-525.	0.2	8
133	Improving accuracy in coronary lumen segmentation via explicit calcium exclusion, learning-based ray detection and surface optimization. Proceedings of SPIE, 2014, , .	1.0	7
134	Cross-modality medical image detection and segmentation by transfer learning of shapel priors. , 2015, , .		7
135	A Multi-Task Self-Supervised Learning Framework for Scopy Images. , 2020, , .		7
136	Recist-Net: Lesion Detection Via Grouping Keypoints On Recist-Based Annotation. , 2021, , .		7
137	Automatic Extraction of 3D Dynamic Left Ventricle Model from 2D Rotational Angiogram. Lecture Notes in Computer Science, 2011, 14, 471-478.	0.2	7
138	Catheter Tracking via Online Learning for Dynamic Motion Compensation in Transcatheter Aortic Valve Implantation. Lecture Notes in Computer Science, 2012, 15, 17-24.	0.2	7
139	Exploring Social Media for Early Detection of Depression in COVID-19 Patients. , 2023, , .		7
140	Nuclei segmentation with point annotations from pathology images via self-supervised learning and co-training. Medical Image Analysis, 2023, 89, 102933.	11.8	7
141	Four-chamber heart modeling and automatic segmentation for 3D cardiac CT volumes. , 2008, , .		6
142	Computer Aided Diagnosis Using Multilevel Image Features on Large-Scale Evaluation. Lecture Notes in Computer Science, 2014, , 161-174.	0.2	6
143	Efficient Detection of Native and Bypass Coronary Ostia in Cardiac CT Volumes: Anatomical vs. Pathological Structures. Lecture Notes in Computer Science, 2011, 14, 403-410.	0.2	6
144	Model-Based Fusion of Multi-modal Volumetric Images: Application to Transcatheter Valve Procedures. Lecture Notes in Computer Science, 2011, 14, 219-226.	0.2	6

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145	Childhood Leukemia Classification via Information Bottleneck Enhanced Hierarchical Multi-Instance Learning. IEEE Transactions on Medical Imaging, 2023, 42, 2348-2359.	9.2	6
146	Left ventricle endocardium segmentation for cardiac CT volumes using an optimal smooth surface. Proceedings of SPIE, 2009, , .	1.0	5
147	Personalized learning-based segmentation of thoracic aorta and main branches for diagnosis and treatment planning. , 2012, , .		5
148	Interventional heart wall motion analysis with cardiac C-arm CT systems. Physics in Medicine and Biology, 2014, 59, 2265-2284.	3.1	5
149	Example Based Non-rigid Shape Detection. Lecture Notes in Computer Science, 2006, , 423-436.	0.2	5
150	Blind Super-Resolution of 3D MRI via Unsupervised Domain Transformation. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 1409-1418.	6.9	5
151	A Structure-Aware Hierarchical Graph-Based Multiple Instance Learning Framework for pT Staging in Histopathological Image. IEEE Transactions on Medical Imaging, 2023, 42, 3000-3011.	9.2	5
152	AutoMPR: Automatic detection of standard planes in 3D echocardiography. , 2008, , .		4
153	Automatic left ventricle detection in MRI images using marginal space learning and component-based voting. , 2009, , .		4
154	Segmentation and removal of pulmonary arteries, veins and left atrial appendage for visualizing coronary and bypass arteries. , 2012, , .		4
155	Marginal Space Learning. , 2014, , 25-65.		4
156	A Macro-Micro Weakly-Supervised Framework for AS-OCT Tissue Segmentation. Lecture Notes in Computer Science, 2020, , 725-734.	0.2	4
157	RCDNet: An Interpretable Rain Convolutional Dictionary Network for Single Image Deraining. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 8668-8682.	12.6	4
158	Background Line Detection with A Stochastic Model. , 2003, , .		3
159	Aortic valve and ascending aortic root modeling from 3D and 3D+t CT. , 2010, , .		3
160	Graph cuts based left atrium segmentation refinement and right middle pulmonary vein extraction in C-arm CT. Proceedings of SPIE, 2013, , .	1.0	3
161	Structure-Aware Rank-1 Tensor Approximation for Curvilinear Structure Tracking Using Learned Hierarchical Features. Lecture Notes in Computer Science, 2016, , 413-421.	0.2	3
162	Multimodal medical volumes translation and segmentation with generative adversarial network. , 2020, , 183-204.		3

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163	Triplet-Branch Network with Prior-Knowledge Embedding for Fatigue Fracture Grading. Lecture Notes in Computer Science, 2021, , 449-458.	0.2	3
164	Generalized Organ Segmentation by Imitating One-Shot Reasoning Using Anatomical Correlation. Lecture Notes in Computer Science, 2021, , 452-464.	0.2	3
165	Learning and Exploiting Interclass Visual Correlations for Medical Image Classification. Lecture Notes in Computer Science, 2020, , 106-115.	0.2	3
166	Distractor-Aware Neuron Intrinsic Learning for Generic 2D Medical Image Classifications. Lecture Notes in Computer Science, 2020, , 591-601.	0.2	3
167	Patient-Specific Modeling of the Heart: Applications to Cardiovascular Disease Management. Lecture Notes in Computer Science, 2010, , 14-24.	0.2	3
168	Automatic Heart Isolation in 3D CT Images. Lecture Notes in Computer Science, 2013, , 165-180.	0.2	3
169	Pairwise Semantic Segmentation via Conjugate Fully Convolutional Network. Lecture Notes in Computer Science, 2019, , 157-165.	0.2	3
170	Understanding Patient Query With Weak Supervision From Doctor Response. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2770-2777.	6.9	3
171	Simultaneous Alignment and Surface Regression Using Hybrid 2D-3D Networks for 3D Coherent Layer Segmentation of Retina OCT Images. Lecture Notes in Computer Science, 2021, , 108-118.	0.2	2
172	Learning Shape Priors by Pairwise Comparison for Robust Semantic Segmentation. , 2021, , .		2
173	Mix-and-Interpolate: A Training Strategy to Deal With Source-Biased Medical Data. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 172-182.	6.9	2
174	Robust Landmark Detection in Volumetric Data with Efficient 3D Deep Learning. Advances in Computer Vision and Pattern Recognition, 2017, , 49-61.	0.0	2
175	Towards Interpretability and Personalization: A Predictive Framework for Clinical Time-series Analysis. , 2021, , .		2
176	MADAv2: Advanced Multi-Anchor Based Active Domain Adaptation Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 13553-13566.	15.3	2
177	Distributionally Robust Sequential Recommendation. , 2023, , .		2
178	Robust pigtail catheter tip detection in fluoroscopy. Proceedings of SPIE, 2012, , .	1.0	1
179	Component-composition based heart isolation for 3D volume visualization of coronary arteries. , 2015, , .		1
180	Automatic 3D Motion Estimation of Left Ventricle from C-arm Rotational Angiocardiology Using a Prior Motion Model and Learning Based Boundary Detector. Lecture Notes in Computer Science, 2013, 16, 90-97.	0.2	1

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181	Discriminative Learning for Anatomical Structure Detection and Segmentation. , 2012, , 273-306.		1
182	Constrained marginal space learning for efficient 3D anatomical structure detection in medical images. , 2009, , .		1
183	Robust object detection using marginal space learning and ranking-based multi-detector aggregation: Application to left ventricle detection in 2D MRI images. , 2009, , .		1
184	S ³ R: Shape and Semantics-Based Selective Regularization for Explainable Continual Segmentation Across Multiple Sites. IEEE Transactions on Medical Imaging, 2023, 42, 2539-2551.	9.2	1
185	Improving Medical Vision-Language Contrastive Pretraining With Semantics-Aware Triage. IEEE Transactions on Medical Imaging, 2023, 42, 3579-3589.	9.2	1
186	DS-Depth: Dynamic and Static Depth Estimation via a Fusion Cost Volume. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 2564-2576.	8.7	1
187	OSNet: Orientation-Shared Convolutional Network for CT Metal Artifact Learning. IEEE Transactions on Medical Imaging, 2024, 43, 489-502.	9.2	1
188	Cross-modality Neuroimage Synthesis: A Survey. ACM Computing Surveys, 2024, 56, 1-28.	23.6	1
189	LENAS: Learning-Based Neural Architecture Search and Ensemble for 3-D Radiotherapy Dose Prediction. IEEE Transactions on Cybernetics, 2024, , 1-11.	10.1	1
190	UniHead: Unifying Multi-Perception for Detection Heads. IEEE Transactions on Neural Networks and Learning Systems, 2024, , 1-12.	12.6	1
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