

List of Publications by Citations

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**Version:** 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

162 papers	4,108 citations	32 h-index	60 g-index
173 ext. papers	5,266 ext. citations	5 avg, IF	6.1 L-index

#	Paper	IF	Citations
162	Review of Artificial Intelligence Techniques in Imaging Data Acquisition, Segmentation, and Diagnosis for COVID-19. <i>IEEE Reviews in Biomedical Engineering</i> , <b>2021</b> , 14, 4-15	6.4	520
161	Medical Image Synthesis with Deep Convolutional Adversarial Networks. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2018</b> , 65, 2720-2730	5	231
160	Medical Image Synthesis with Context-Aware Generative Adversarial Networks. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10435, 417-425	0.9	221
159	Scalable High-Performance Image Registration Framework by Unsupervised Deep Feature Representations Learning. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 1505-16	5	166
158	Dual-Sampling Attention Network for Diagnosis of COVID-19 From Community Acquired Pneumonia. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 2595-2605	11.7	161
157	Deep Auto-context Convolutional Neural Networks for Standard-Dose PET Image Estimation from Low-Dose PET/MRI. <i>Neurocomputing</i> , <b>2017</b> , 267, 406-416	5.4	136
156	SharpMean: groupwise registration guided by sharp mean image and tree-based registration. <i>NeuroImage</i> , <b>2011</b> , 56, 1968-81	7.9	99
155	Deep embedding convolutional neural network for synthesizing CT image from T1-Weighted MR image. <i>Medical Image Analysis</i> , <b>2018</b> , 47, 31-44	15.4	93
154	A generative probability model of joint label fusion for multi-atlas based brain segmentation. <i>Medical Image Analysis</i> , <b>2014</b> , 18, 881-90	15.4	93
153	Integration of network topological and connectivity properties for neuroimaging classification. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2014</b> , 61, 576-89	5	89
152	ABSORB: Atlas Building by Self-organized Registration and Bundling. <i>NeuroImage</i> , <b>2010</b> , 51, 1057-70	7.9	86
151	Metabolic Fingerprinting on a Plasmonic Gold Chip for Mass Spectrometry Based Diagnostics. <i>ACS Central Science</i> , <b>2018</b> , 4, 223-229	16.8	83
150	Hierarchical multi-atlas label fusion with multi-scale feature representation and label-specific patch partition. <i>NeuroImage</i> , <b>2015</b> , 106, 34-46	7.9	79
149	Deformable Image Registration based on Similarity-Steered CNN Regression. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10433, 300-308	0.9	78
148	Interleaved 3D-CNNs for joint segmentation of small-volume structures in head and neck CT images. <i>Medical Physics</i> , <b>2018</b> , 45, 2063-2075	4.4	74
147	Machine learning of serum metabolic patterns encodes early-stage lung adenocarcinoma. <i>Nature Communications</i> , <b>2020</b> , 11, 3556	17.4	73
146	Multi-Channel 3D Deep Feature Learning for Survival Time Prediction of Brain Tumor Patients Using Multi-Modal Neuroimages. <i>Scientific Reports</i> , <b>2019</b> , 9, 1103	4.9	71

145	Metabolic Fingerprinting on Synthetic Alloys for Medulloblastoma Diagnosis and Radiotherapy Evaluation. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000906	24	64
144	Urine Metabolic Fingerprints Encode Subtypes of Kidney Diseases. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 1703-1710	16.4	63
143	Unsupervised deep feature learning for deformable registration of MR brain images. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 649-56	0.9	58
142	Multi-atlas based representations for Alzheimer's disease diagnosis. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 5052-70	5.9	53
141	Multi-task diagnosis for autism spectrum disorders using multi-modality features: A multi-center study. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 3081-3097	5.9	50
140	Deformable Image Registration Using a Cue-Aware Deep Regression Network. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2018</b> , 65, 1900-1911	5	49
139	Adversarial learning for mono- or multi-modal registration. <i>Medical Image Analysis</i> , <b>2019</b> , 58, 101545	15.4	47
138	Deep Learning Based Multi-Modal Fusion for Fast MR Reconstruction. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2018</b> ,	5	44
137	Feature-based groupwise registration by hierarchical anatomical correspondence detection. <i>Human Brain Mapping</i> , <b>2012</b> , 33, 253-71	5.9	38
136	Regression Convolutional Neural Network for Automated Pediatric Bone Age Assessment From Hand Radiograph. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2019</b> , 23, 2030-2038	7.2	38
135	S-HAMMER: hierarchical attribute-guided, symmetric diffeomorphic registration for MR brain images. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 1044-60	5.9	37
134	Deep Learning for Fast and Spatially Constrained Tissue Quantification From Highly Accelerated Data in Magnetic Resonance Fingerprinting. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 2364-2374	11.7	37
133	Sparse Multiview Task-Centralized Ensemble Learning for ASD Diagnosis Based on Age- and Sex-Related Functional Connectivity Patterns. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 3141-3154	10.2	34
132	Deep Learning based Inter-Modality Image Registration Supervised by Intra-Modality Similarity. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 11046, 55-63	0.9	34
131	Groupwise registration based on hierarchical image clustering and atlas synthesis. <i>Human Brain Mapping</i> , <b>2010</b> , 31, 1128-40	5.9	32
130	Construction and validation of mean shape atlas templates for atlas-based brain image segmentation. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 19, 689-700	0.9	32
129	Locally-constrained boundary regression for segmentation of prostate and rectum in the planning CT images. <i>Medical Image Analysis</i> , <b>2015</b> , 26, 345-56	15.4	30
128	Improved image registration by sparse patch-based deformation estimation. <i>NeuroImage</i> , <b>2015</b> , 105, 257-68	7.9	30

127	Hierarchical unbiased graph shrinkage (HUGS): a novel groupwise registration for large data set. <i>NeuroImage</i> , <b>2014</b> , 84, 626-38	7.9	29
126	Intermediate templates guided groupwise registration of diffusion tensor images. <i>NeuroImage</i> , <b>2011</b> , 54, 928-39	7.9	29
125	Segmentation and Classification in Digital Pathology for Glioma Research: Challenges and Deep Learning Approaches. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 27	5.1	27
124	CLARITY for High-resolution Imaging and Quantification of Vasculature in the Whole Mouse Brain <b>2018</b> , 9, 262-272		26
123	Application of neuroanatomical features to tractography clustering. <i>Human Brain Mapping</i> , <b>2013</b> , 34, 2089-102	5.9	26
122	Predict brain MR image registration via sparse learning of appearance and transformation. <i>Medical Image Analysis</i> , <b>2015</b> , 20, 61-75	15.4	25
121	Registration of longitudinal brain image sequences with implicit template and spatial-temporal heuristics. <i>NeuroImage</i> , <b>2012</b> , 59, 404-21	7.9	25
120	Region-adaptive Deformable Registration of CT/MRI Pelvic Images via Learning-based Image Synthesis. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> ,	8.7	24
119	Outcome Prediction for Patient with High-Grade Gliomas from Brain Functional and Structural Networks. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9901, 26-34	0.9	24
118	Automatic labeling of MR brain images by hierarchical learning of atlas forests. <i>Medical Physics</i> , <b>2016</b> , 43, 1175-86	4.4	24
117	Pulmonary nodule detection in CT images based on shape constraint CV model. <i>Medical Physics</i> , <b>2015</b> , 42, 1241-54	4.4	23
116	Association of abnormal white matter integrity in the acute phase of motor vehicle accidents with post-traumatic stress disorder. <i>Journal of Affective Disorders</i> , <b>2016</b> , 190, 714-722	6.6	22
115	Attribute vector guided groupwise registration. <i>NeuroImage</i> , <b>2010</b> , 50, 1485-96	7.9	22
114	Concatenated Spatially-localized Random Forests for Hippocampus Labeling in Adult and Infant MR Brain Images. <i>Neurocomputing</i> , <b>2017</b> , 229, 3-12	5.4	20
113	Overall survival time prediction for high-grade glioma patients based on large-scale brain functional networks. <i>Brain Imaging and Behavior</i> , <b>2019</b> , 13, 1333-1351	4.1	20
112	Computerized detection of lung nodules through radiomics. <i>Medical Physics</i> , <b>2017</b> , 44, 4148-4158	4.4	19
111	Estimating the 4D respiratory lung motion by spatiotemporal registration and super-resolution image reconstruction. <i>Medical Physics</i> , <b>2013</b> , 40, 031710	4.4	19
110	Brain Atlas Fusion from High-Thickness Diagnostic Magnetic Resonance Images by Learning-Based Super-Resolution. <i>Pattern Recognition</i> , <b>2017</b> , 63, 531-541	7.7	17

109	Ultra-Fast Label-Free Serum Metabolic Diagnosis of Coronary Heart Disease via a Deep Stabilizer. <i>Advanced Science</i> , <b>2021</b> , 8, e2101333	13.6	17
108	Multi-Class ASD Classification Based on Functional Connectivity and Functional Correlation Tensor via Multi-Source Domain Adaptation and Multi-View Sparse Representation. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 3137-3147	11.7	16
107	Multi-Label Nonlinear Matrix Completion With Transductive Multi-Task Feature Selection for Joint MGMT and IDH1 Status Prediction of Patient With High-Grade Gliomas. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 1775-1787	11.7	16
106	Enhancement of Perivascular Spaces in 7 T MR Image using Haar Transform of Non-local Cubes and Block-matching Filtering. <i>Scientific Reports</i> , <b>2017</b> , 7, 8569	4.9	16
105	Learning-based structurally-guided construction of resting-state functional correlation tensors. <i>Magnetic Resonance Imaging</i> , <b>2017</b> , 43, 110-121	3.3	16
104	Quantitative susceptibility mapping based hybrid feature extraction for diagnosis of Parkinson's disease. <i>NeuroImage: Clinical</i> , <b>2019</b> , 24, 102070	5.3	15
103	Automatic lung nodule classification with radiomics approach <b>2016</b> ,		15
102	Iterative Label Denoising Network: Segmenting Male Pelvic Organs in CT From 3D Bounding Box Annotations. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2020</b> , 67, 2710-2720	5	14
101	Ultra-Fast T2-Weighted MR Reconstruction Using Complementary T1-Weighted Information. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 11070, 215-223	0.9	13
100	Learning Hierarchical Attention for Weakly-Supervised Chest X-Ray Abnormality Localization and Diagnosis. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 2698-2710	11.7	13
99	Imaging-Based Individualized Response Prediction Of Carbon Ion Radiotherapy For Prostate Cancer Patients. <i>Cancer Management and Research</i> , <b>2019</b> , 11, 9121-9131	3.6	12
98	Can pretreatment F-FDG PET tumor texture features predict the outcomes of osteosarcoma treated by neoadjuvant chemotherapy?. <i>European Radiology</i> , <b>2019</b> , 29, 3945-3954	8	11
97	Weakly Supervised Segmentation Framework with Uncertainty: A Study on Pneumothorax Segmentation in Chest X-ray. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 613-621	0.9	11
96	Dopamine receptor D2 and catechol-O-methyltransferase gene polymorphisms associated with anorexia nervosa in Chinese Han population: DRD2 and COMT gene polymorphisms were associated with AN. <i>Neuroscience Letters</i> , <b>2016</b> , 616, 147-51	3.3	10
95	Unpaired Mr to CT Synthesis with Explicit Structural Constrained Adversarial Learning <b>2019</b> ,		10
94	Directed graph based image registration. <i>Computerized Medical Imaging and Graphics</i> , <b>2012</b> , 36, 139-51	7.6	10
93	Synthesis and Inpainting-Based MR-CT Registration for Image-Guided Thermal Ablation of Liver Tumors. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 512-520	0.9	10
92	Automatic Segmentation of Spinal Canals in CT Images via Iterative Topology Refinement. <i>IEEE Transactions on Medical Imaging</i> , <b>2015</b> , 34, 1694-704	11.7	9

91	Diffusion tensor image registration using hybrid connectivity and tensor features. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 3529-46	5.9	9
90	CoCa-GAN: Common-Feature-Learning-Based Context-Aware Generative Adversarial Network for Glioma Grading. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 155-163	0.9	9
89	Unpaired Deep Cross-Modality Synthesis with Fast Training. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 11045, 155-164	0.9	9
88	CT Male Pelvic Organ Segmentation via Hybrid Loss Network With Incomplete Annotation. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 2151-2162	11.7	8
87	Exploring diagnosis and imaging biomarkers of Parkinson's disease via iterative canonical correlation analysis based feature selection. <i>Computerized Medical Imaging and Graphics</i> , <b>2018</b> , 67, 21-29	7.6	8
86	Hierarchical and symmetric infant image registration by robust longitudinal-example-guided correspondence detection. <i>Medical Physics</i> , <b>2015</b> , 42, 4174-89	4.4	8
85	Groupwise Registration via Graph Shrinkage on the Image Manifold <b>2013</b> ,		8
84	Diffusion tensor imaging assesses white matter injury in neonates with hypoxic-ischemic encephalopathy. <i>Neural Regeneration Research</i> , <b>2017</b> , 12, 603-609	4.5	8
83	Feature Selection Based on Iterative Canonical Correlation Analysis for Automatic Diagnosis of Parkinson's Disease. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9901, 1-8	0.9	8
82	Multi-label Inductive Matrix Completion for Joint MGMT and IDH1 Status Prediction for Glioma Patients. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10434, 450-458	0.9	8
81	Reconstruction of 4D-CT from a single free-breathing 3D-CT by spatial-temporal image registration. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 22, 686-98	0.9	8
80	Estimating the 4D respiratory lung motion by spatiotemporal registration and building super-resolution image. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 14, 532-9	0.9	8
79	Urine Metabolic Fingerprints Encode Subtypes of Kidney Diseases. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 17203-1727	16.27	8
78	SLIR: Synthesis, localization, inpainting, and registration for image-guided thermal ablation of liver tumors. <i>Medical Image Analysis</i> , <b>2020</b> , 65, 101763	15.4	7
77	Quantitative evaluation of subchondral bone microarchitecture in knee osteoarthritis using 3T MRI. <i>BMC Musculoskeletal Disorders</i> , <b>2017</b> , 18, 496	2.8	7
76	Relationship between subchondral bone microstructure and articular cartilage in the osteoarthritic knee using 3T MRI. <i>Journal of Magnetic Resonance Imaging</i> , <b>2018</b> , 48, 669	5.6	7
75	GROUPWISE REGISTRATION FROM EXEMPLAR TO GROUP MEAN: EXTENDING HAMMER TO GROUPWISE REGISTRATION <b>2010</b> , 2010, 396-399	1.5	7
74	Fast histogram equalization for medical image enhancement. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 2217-20	0.9	7

73	Hierarchical attribute-guided symmetric diffeomorphic registration for MR brain images. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 15, 90-7	0.9	7
72	Lung field segmentation using weighted sparse shape composition with robust initialization. <i>Medical Physics</i> , <b>2017</b> , 44, 5916-5929	4.4	6
71	Graph Convolutional Network Based Point Cloud for Head and Neck Vessel Labeling. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 474-483	0.9	6
70	Registration of longitudinal image sequences with implicit template and spatial-temporal heuristics. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 13, 618-25	0.9	6
69	Groupwise registration with sharp mean. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 13, 570-7	0.9	6
68	An artificial-intelligence lung imaging analysis system (ALIAS) for population-based nodule computing in CT scans. <i>Computerized Medical Imaging and Graphics</i> , <b>2021</b> , 89, 101899	7.6	6
67	eHUGS: Enhanced Hierarchical Unbiased Graph Shrinkage for Efficient Groupwise Registration. <i>PLoS ONE</i> , <b>2016</b> , 11, e0146870	3.7	6
66	A cybernetic eye for rare disease. <i>Nature Biomedical Engineering</i> , <b>2017</b> , 1,	19	5
65	Hippocampal Segmentation From Longitudinal Infant Brain MR Images via Classification-Guided Boundary Regression. <i>IEEE Access</i> , <b>2019</b> , 7, 33728-33740	3.5	5
64	ABSORB: Atlas building by Self-Organized Registration and Bundling <b>2010</b> ,		5
63	Deep morphological simplification network (MS-Net) for guided registration of brain magnetic resonance images. <i>Pattern Recognition</i> , <b>2020</b> , 100, 107171	7.7	5
62	<b>2020</b> ,		5
61	Knee Cartilage Thickness Differs Alongside Ages: A 3-T Magnetic Resonance Research Upon 2,481 Subjects via Deep Learning. <i>Frontiers in Medicine</i> , <b>2020</b> , 7, 600049	4.9	5
60	Malignant Brain Tumor Classification Using the Random Forest Method. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 14-21	0.9	4
59	Learning of Atlas Forest Hierarchy for Automatic Labeling of MR Brain Images. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 323-330	0.9	4
58	Diffusion tensor image registration with combined tract and tensor features. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 14, 200-8	0.9	4
57	Group-wise registration of large image dataset by hierarchical clustering and alignment <b>2009</b> ,		4
56	Learning MRI k-Space Subsampling Pattern Using Progressive Weight Pruning. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 178-187	0.9	4



55	Pre-operative Overall Survival Time Prediction for Glioblastoma Patients Using Deep Learning on Both Imaging Phenotype and Genotype. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11764, 415-422	0.9	4
54	Multi-atlas Context Forests for Knee MR Image Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 186-193	0.9	4
53	Fiber modeling and clustering based on neuroanatomical features. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 14, 17-24	0.9	4
52	Task Decomposition and Synchronization for Semantic Biomedical Image Segmentation. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , 29, 7497-7510	8.7	4
51	Hierarchical pathology screening for cervical abnormality. <i>Computerized Medical Imaging and Graphics</i> , <b>2021</b> , 89, 101892	7.6	4
50	Deep learning in knee imaging: a systematic review utilizing a Checklist for Artificial Intelligence in Medical Imaging (CLAIM). <i>European Radiology</i> , <b>2021</b> , 1	8	4
49	<b>2020</b> ,		3
48	Neuroimage-Based Consciousness Evaluation of Patients with Secondary Doubtful Hydrocephalus Before and After Lumbar Drainage. <i>Neuroscience Bulletin</i> , <b>2020</b> , 36, 985-996	4.3	3
47	Follow My Eye: Using Gaze to Supervise Computer-Aided Diagnosis.. <i>IEEE Transactions on Medical Imaging</i> , <b>2022</b> , PP,	11.7	3
46	Brain MR Image Segmentation in Small Dataset with Adversarial Defense and Task Reorganization. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 1-8	0.9	3
45	Hierarchical and Robust Pathology Image Reading for High-Throughput Cervical Abnormality Screening. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 414-422	0.9	3
44	Hierarchical Fiber Clustering Based on Multi-Scale Neuroanatomical Features. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 448-456	0.9	3
43	Multi-Atlas Based Segmentation of Brainstem Nuclei from MR Images by Deep Hyper-Graph Learning. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9993, 51-59	0.9	3
42	Minimizing joint risk of mislabeling for iterative Patch-based label fusion. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 551-8	0.9	3
41	Joint learning of appearance and transformation for predicting brain MR image registration. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 23, 499-510	0.9	3
40	Automatic left ventricular cavity segmentation via deep spatial sequential network in 4D computed tomography. <i>Computerized Medical Imaging and Graphics</i> , <b>2021</b> , 91, 101952	7.6	3
39	Groupwise registration of brain magnetic resonance images: A review. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2014</b> , 19, 755-762	0.6	2
38	Analytical model for straight hemming based on minimum energy method. <i>Journal of Zhejiang University: Science A</i> , <b>2011</b> , 12, 532-542	2.1	2



37	iTree: Fast and accurate image registration based on the combinative and incremental tree <b>2011</b> ,		2
36	Sparsity-Learning-Based Longitudinal MR Image Registration for Early Brain Development. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 1-8	0.9	2
35	Groupwise registration by hierarchical anatomical correspondence detection. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 13, 684-91	0.9	2
34	Image Super-Resolution by Supervised Adaption of Patchwise Self-similarity from High-Resolution Image. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9467, 10-18	0.9	2
33	Reducing magnetic resonance image spacing by learning without ground-truth. <i>Pattern Recognition</i> , <b>2021</b> , 120, 108103	7.7	2
32	Cross-Manifold Guidance in Deformable Registration of Brain MR Images. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 415-424	0.9	1
31	Non-rigid Brain MRI Registration Using Two-stage Deep Perceptive Networks <b>2018</b> , 2018,	0	1
30	The Artificial Intelligence-Enabled Medical Imaging: Today and Its Future. <i>Chinese Medical Sciences Journal</i> , <b>2019</b> , 34, 71-75	1.3	1
29	Reconstruction of Isotropic High-Resolution MR Image from Multiple Anisotropic Scans Using Sparse Fidelity Loss and Adversarial Regularization. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 65-73	0.9	1
28	Deep Local-Global Refinement Network for Stent Analysis in IVOCT Images. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 539-546	0.9	1
27	Can radiomics features boost the performance of deep learning upon histology images? <b>2019</b> ,		1
26	Multi-Class ASD Classification via Label Distribution Learning with Class-Shared and Class-Specific Decomposition. <i>Medical Image Analysis</i> , <b>2021</b> , 75, 102294	15.4	1
25	cuRadiomics: A GPU-Based Radiomics Feature Extraction Toolkit. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 44-52	0.9	1
24	Two-Stage Mapping-Segmentation Framework for Delineating COVID-19 Infections from Heterogeneous CT Images. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 3-13	0.9	1
23	Automatic and Reliable Segmentation of Spinal Canals in Low-Resolution, Low-Contrast CT Images. <i>Lecture Notes in Computational Vision and Biomechanics</i> , <b>2014</b> , 15-24	0.3	1
22	Interactive Registration and Segmentation for Multi-Atlas-Based Labeling of Brain MR Image. <i>Communications in Computer and Information Science</i> , <b>2015</b> , 240-248	0.3	1
21	Dual-Layer (ell <sub>1</sub> )-Graph Embedding for Semi-supervised Image Labeling. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 46-53	0.9	1
20	Directed Graph Based Image Registration. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 175-183	0.9	1

19	Multiparametric MRI-based radiomics analysis: differentiation of subtypes of cervical cancer in the early stage. <i>Acta Radiologica</i> , <b>2021</b> , 2841851211014188	2	1
18	False Positive Suppression in Cervical Cell Screening via Attention-Guided Semi-supervised Learning. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 93-103	0.9	1
17	Anatomical Structure-Aware Pulmonary Nodule Detection via Parallel Multi-task RoI Head. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 212-220	0.9	1
16	Common feature learning for brain tumor MRI synthesis by context-aware generative adversarial network.. <i>Medical Image Analysis</i> , <b>2022</b> , 79, 102472	15.4	1
15	Stability of AI-Enabled Diagnosis of Parkinson's Disease: A Study Targeting Substantia Nigra in Quantitative Susceptibility Mapping Imaging. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 760975	5.1	0
14	Weakly Supervised Confidence Learning for Brain MR Image Dense Parcellation. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 409-416	0.9	0
13	Robust Hydrocephalus Brain Segmentation via Globally and Locally Spatial Guidance. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 92-100	0.9	0
12	Self-adversarial Learning for Detection of Clustered Microcalcifications in Mammograms. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 78-87	0.9	0
11	Predicting Motor Outcome of Subthalamic Nucleus Deep Brain Stimulation for Parkinson's Disease Using Quantitative Susceptibility Mapping and Radiomics: A Pilot Study. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 731109	5.1	0
10	Image fusion network for dual-modal restoration. <i>Inverse Problems and Imaging</i> , <b>2021</b> , 15, 1409	2.1	
9	Morphological Simplification of Brain MR Images by Deep Learning for Facilitating Deformable Registration. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 203-211	0.9	
8	Joint Appearance-Feature Domain Adaptation: Application to QSM Segmentation Transfer. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 241-249	0.9	
7	Automatic Hippocampus Labeling Using the Hierarchy of Sub-region Random Forests. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 19-27	0.9	
6	Combination of Grey Matter and White Matter Features for Early Prediction of Posttraumatic Stress Disorder. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 560-567	0.9	
5	Learning-Based Estimation of Functional Correlation Tensors in White Matter for Early Diagnosis of Mild Cognitive Impairment. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10530, 65-73	0.9	
4	Sparse Multi-view Task-Centralized Learning for ASD Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10541, 159-167	0.9	
3	Brain-Cloud: A Generalized and Flexible Registration Framework for Brain MR Images. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 153-161	0.9	
2	A Recurrent Two-Stage Anatomy-Guided Network for Registration of Liver DCE-MRI. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 219-227	0.9	

- 1 Self-guided Multi-attention Network for Periventricular Leukomalacia Recognition. *Lecture Notes in Computer Science*, **2021**, 128-137 0.9