Qian Wang

List of Publications by Year in Descending Order

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	Follow My Eye: Using Gaze to Supervise Computer-Aided Diagnosis.. *IEEE Transactions on Medical Imaging*, **2022**, PP,	11.7	3
161	Common feature learning for brain tumor MRI synthesis by context-aware generative adversarial network.. *Medical Image Analysis*, **2022**, 79, 102472	15.4	1
160	Stability of AI-Enabled Diagnosis of Parkinson's Disease: A Study Targeting Substantia Nigra in Quantitative Susceptibility Mapping Imaging. *Frontiers in Neuroscience*, **2021**, 15, 760975	5.1	0
159	Image fusion network for dual-modal restoration. *Inverse Problems and Imaging*, **2021**, 15, 1409	2.1	
158	Multi-Class ASD Classification via Label Distribution Learning with Class-Shared and Class-Specific Decomposition. *Medical Image Analysis*, **2021**, 75, 102294	15.4	1
157	An artificial-intelligence lung imaging analysis system (ALIAS) for population-based nodule computing in CT scans. *Computerized Medical Imaging and Graphics*, **2021**, 89, 101899	7.6	6
156	Hierarchical pathology screening for cervical abnormality. *Computerized Medical Imaging and Graphics*, **2021**, 89, 101892	7.6	4
155	Multiparametric MRI-based radiomics analysis: differentiation of subtypes of cervical cancer in the early stage. *Acta Radiologica*, **2021**, 2841851211014188	2	1
154	Automatic left ventricular cavity segmentation via deep spatial sequential network in 4D computed tomography. *Computerized Medical Imaging and Graphics*, **2021**, 91, 101952	7.6	3
153	Review of Artificial Intelligence Techniques in Imaging Data Acquisition, Segmentation, and Diagnosis for COVID-19. *IEEE Reviews in Biomedical Engineering*, **2021**, 14, 4-15	6.4	520
152	Robust Hydrocephalus Brain Segmentation via Globally and Locally Spatial Guidance. *Lecture Notes in Computer Science*, **2021**, 92-100	0.9	0
151	A Recurrent Two-Stage Anatomy-Guided Network for Registration of Liver DCE-MRI. *Lecture Notes in Computer Science*, **2021**, 219-227	0.9	
150	False Positive Suppression in Cervical Cell Screening via Attention-Guided Semi-supervised Learning. *Lecture Notes in Computer Science*, **2021**, 93-103	0.9	1
149	Self-adversarial Learning for Detection of Clustered Microcalcifications in Mammograms. *Lecture Notes in Computer Science*, **2021**, 78-87	0.9	0
148	Ultra-Fast Label-Free Serum Metabolic Diagnosis of Coronary Heart Disease via a Deep Stabilizer. *Advanced Science*, **2021**, 8, e2101333	13.6	17
147	Deep learning in knee imaging: a systematic review utilizing a Checklist for Artificial Intelligence in Medical Imaging (CLAIM). *European Radiology*, **2021**, 1	8	4
146	Predicting Motor Outcome of Subthalamic Nucleus Deep Brain Stimulation for Parkinson's Disease Using Quantitative Susceptibility Mapping and Radiomics: A Pilot Study. *Frontiers in Neuroscience*, **2021**, 15, 731109	5.1	0

145	Learning Hierarchical Attention for Weakly-Supervised Chest X-Ray Abnormality Localization and Diagnosis. *IEEE Transactions on Medical Imaging*, **2021**, 40, 2698-2710	11.7	13
144	Reducing magnetic resonance image spacing by learning without ground-truth. *Pattern Recognition*, **2021**, 120, 108103	7.7	2
143	Self-guided Multi-attention Network for Periventricular Leukomalacia Recognition. *Lecture Notes in Computer Science*, **2021**, 128-137	0.9	
142	Anatomical Structure-Aware Pulmonary Nodule Detection via Parallel Multi-task RoI Head. *Lecture Notes in Computer Science*, **2021**, 212-220	0.9	1
141	**2020**,		3
140	SLIR: Synthesis, localization, inpainting, and registration for image-guided thermal ablation of liver tumors. *Medical Image Analysis*, **2020**, 65, 101763	15.4	7
139	Neuroimage-Based Consciousness Evaluation of Patients with Secondary Doubtful Hydrocephalus Before and After Lumbar Drainage. *Neuroscience Bulletin*, **2020**, 36, 985-996	4.3	3
138	Segmentation and Classification in Digital Pathology for Glioma Research: Challenges and Deep Learning Approaches. *Frontiers in Neuroscience*, **2020**, 14, 27	5.1	27
137	Iterative Label Denoising Network: Segmenting Male Pelvic Organs in CT From 3D Bounding Box Annotations. *IEEE Transactions on Biomedical Engineering*, **2020**, 67, 2710-2720	5	14
136	CT Male Pelvic Organ Segmentation via Hybrid Loss Network With Incomplete Annotation. *IEEE Transactions on Medical Imaging*, **2020**, 39, 2151-2162	11.7	8
135	Metabolic Fingerprinting on Synthetic Alloys for Medulloblastoma Diagnosis and Radiotherapy Evaluation. *Advanced Materials*, **2020**, 32, e2000906	24	64
134	Multi-Class ASD Classification Based on Functional Connectivity and Functional Correlation Tensor via Multi-Source Domain Adaptation and Multi-View Sparse Representation. *IEEE Transactions on Medical Imaging*, **2020**, 39, 3137-3147	11.7	16
133	Dual-Sampling Attention Network for Diagnosis of COVID-19 From Community Acquired Pneumonia. *IEEE Transactions on Medical Imaging*, **2020**, 39, 2595-2605	11.7	161
132	Learning MRI k-Space Subsampling Pattern Using Progressive Weight Pruning. *Lecture Notes in Computer Science*, **2020**, 178-187	0.9	4
131	Joint Appearance-Feature Domain Adaptation: Application to QSM Segmentation Transfer. *Lecture Notes in Computer Science*, **2020**, 241-249	0.9	
130	cuRadiomics: A GPU-Based Radiomics Feature Extraction Toolkit. *Lecture Notes in Computer Science*, **2020**, 44-52	0.9	1
129	Hierarchical and Robust Pathology Image Reading for High-Throughput Cervical Abnormality Screening. *Lecture Notes in Computer Science*, **2020**, 414-422	0.9	3
128	Graph Convolutional Network Based Point Cloud for Head and Neck Vessel Labeling. *Lecture Notes in Computer Science*, **2020**, 474-483	0.9	6

127	Two-Stage Mapping-Segmentation Framework for Delineating COVID-19 Infections from Heterogeneous CT Images. *Lecture Notes in Computer Science*, **2020**, 3-13	0.9	1
126	Deep morphological simplification network (MS-Net) for guided registration of brain magnetic resonance images. *Pattern Recognition*, **2020**, 100, 107171	7.7	5
125	Urine Metabolic Fingerprints Encode Subtypes of Kidney Diseases. *Angewandte Chemie*, **2020**, 132, 1720-1727	3.6	8
124	Urine Metabolic Fingerprints Encode Subtypes of Kidney Diseases. *Angewandte Chemie - International Edition*, **2020**, 59, 1703-1710	16.4	63
123	Machine learning of serum metabolic patterns encodes early-stage lung adenocarcinoma. *Nature Communications*, **2020**, 11, 3556	17.4	73
122	Task Decomposition and Synchronization for Semantic Biomedical Image Segmentation. *IEEE Transactions on Image Processing*, **2020**, 29, 7497-7510	8.7	4
121	**2020**,		5
120	Knee Cartilage Thickness Differs Alongside Ages: A 3-T Magnetic Resonance Research Upon 2,481 Subjects via Deep Learning. *Frontiers in Medicine*, **2020**, 7, 600049	4.9	5
119	Adversarial learning for mono- or multi-modal registration. *Medical Image Analysis*, **2019**, 58, 101545	15.4	47
118	Hippocampal Segmentation From Longitudinal Infant Brain MR Images via Classification-Guided Boundary Regression. *IEEE Access*, **2019**, 7, 33728-33740	3.5	5
117	Can pretreatment F-FDG PET tumor texture features predict the outcomes of osteosarcoma treated by neoadjuvant chemotherapy?. *European Radiology*, **2019**, 29, 3945-3954	8	11
116	Sparse Multiview Task-Centralized Ensemble Learning for ASD Diagnosis Based on Age- and Sex-Related Functional Connectivity Patterns. *IEEE Transactions on Cybernetics*, **2019**, 49, 3141-3154	10.2	34
115	Unpaired Mr to CT Synthesis with Explicit Structural Constrained Adversarial Learning **2019**,		10
114	Quantitative susceptibility mapping based hybrid feature extraction for diagnosis of Parkinson's disease. *NeuroImage: Clinical*, **2019**, 24, 102070	5.3	15
113	Imaging-Based Individualized Response Prediction Of Carbon Ion Radiotherapy For Prostate Cancer Patients. *Cancer Management and Research*, **2019**, 11, 9121-9131	3.6	12
112	The Artificial Intelligence-Enabled Medical Imaging: Today and Its Future. *Chinese Medical Sciences Journal*, **2019**, 34, 71-75	1.3	1
111	Reconstruction of Isotropic High-Resolution MR Image from Multiple Anisotropic Scans Using Sparse Fidelity Loss and Adversarial Regularization. *Lecture Notes in Computer Science*, **2019**, 65-73	0.9	1
110	Weakly Supervised Confidence Learning for Brain MR Image Dense Parcellation. *Lecture Notes in Computer Science*, **2019**, 409-416	0.9	0

109	Deep Local-Global Refinement Network for Stent Analysis in IVOCT Images. *Lecture Notes in Computer Science*, **2019**, 539-546	0.9	1
108	Morphological Simplification of Brain MR Images by Deep Learning for Facilitating Deformable Registration. *Lecture Notes in Computer Science*, **2019**, 203-211	0.9	
107	Pre-operative Overall Survival Time Prediction for Glioblastoma Patients Using Deep Learning on Both Imaging Phenotype and Genotype. *Lecture Notes in Computer Science*, **2019**, 11764, 415-422	0.9	4
106	Can radiomics features boost the performance of deep learning upon histology images? **2019**,		1
105	Weakly Supervised Segmentation Framework with Uncertainty: A Study on Pneumothorax Segmentation in Chest X-ray. *Lecture Notes in Computer Science*, **2019**, 613-621	0.9	11
104	CoCa-GAN: Common-Feature-Learning-Based Context-Aware Generative Adversarial Network for Glioma Grading. *Lecture Notes in Computer Science*, **2019**, 155-163	0.9	9
103	Synthesis and Inpainting-Based MR-CT Registration for Image-Guided Thermal Ablation of Liver Tumors. *Lecture Notes in Computer Science*, **2019**, 512-520	0.9	10
102	Brain MR Image Segmentation in Small Dataset with Adversarial Defense and Task Reorganization. *Lecture Notes in Computer Science*, **2019**, 1-8	0.9	3
101	Multi-Channel 3D Deep Feature Learning for Survival Time Prediction of Brain Tumor Patients Using Multi-Modal Neuroimages. *Scientific Reports*, **2019**, 9, 1103	4.9	71
100	Deep Learning for Fast and Spatially Constrained Tissue Quantification From Highly Accelerated Data in Magnetic Resonance Fingerprinting. *IEEE Transactions on Medical Imaging*, **2019**, 38, 2364-2374	11.7	37
99	Overall survival time prediction for high-grade glioma patients based on large-scale brain functional networks. *Brain Imaging and Behavior*, **2019**, 13, 1333-1351	4.1	20
98	Regression Convolutional Neural Network for Automated Pediatric Bone Age Assessment From Hand Radiograph. *IEEE Journal of Biomedical and Health Informatics*, **2019**, 23, 2030-2038	7.2	38
97	Interleaved 3D-CNNs for joint segmentation of small-volume structures in head and neck CT images. *Medical Physics*, **2018**, 45, 2063-2075	4.4	74
96	Medical Image Synthesis with Deep Convolutional Adversarial Networks. *IEEE Transactions on Biomedical Engineering*, **2018**, 65, 2720-2730	5	231
95	Deformable Image Registration Using a Cue-Aware Deep Regression Network. *IEEE Transactions on Biomedical Engineering*, **2018**, 65, 1900-1911	5	49
94	Exploring diagnosis and imaging biomarkers of Parkinson's disease via iterative canonical correlation analysis based feature selection. *Computerized Medical Imaging and Graphics*, **2018**, 67, 21-29	7.6	8
93	Relationship between subchondral bone microstructure and articular cartilage in the osteoarthritic knee using 3T MRI. *Journal of Magnetic Resonance Imaging*, **2018**, 48, 669	5.6	7
92	Metabolic Fingerprinting on a Plasmonic Gold Chip for Mass Spectrometry Based Diagnostics. *ACS Central Science*, **2018**, 4, 223-229	16.8	83

91	Deep embedding convolutional neural network for synthesizing CT image from T1-Weighted MR image. *Medical Image Analysis*, **2018**, 47, 31-44	15.4	93
90	Region-adaptive Deformable Registration of CT/MRI Pelvic Images via Learning-based Image Synthesis. *IEEE Transactions on Image Processing*, **2018**,	8.7	24
89	Multi-Label Nonlinear Matrix Completion With Transductive Multi-Task Feature Selection for Joint MGMT and IDH1 Status Prediction of Patient With High-Grade Gliomas. *IEEE Transactions on Medical Imaging*, **2018**, 37, 1775-1787	11.7	16
88	CLARITY for High-resolution Imaging and Quantification of Vasculature in the Whole Mouse Brain **2018**, 9, 262-272		26
87	Malignant Brain Tumor Classification Using the Random Forest Method. *Lecture Notes in Computer Science*, **2018**, 14-21	0.9	4
86	Non-rigid Brain MRI Registration Using Two-stage Deep Perceptive Networks **2018**, 2018,	0	1
85	Deep Leaning Based Multi-Modal Fusion for Fast MR Reconstruction. *IEEE Transactions on Biomedical Engineering*, **2018**,	5	44
84	Unpaired Deep Cross-Modality Synthesis with Fast Training. *Lecture Notes in Computer Science*, **2018**, 11045, 155-164	0.9	9
83	Deep Learning based Inter-Modality Image Registration Supervised by Intra-Modality Similarity. *Lecture Notes in Computer Science*, **2018**, 11046, 55-63	0.9	34
82	Ultra-Fast T2-Weighted MR Reconstruction Using Complementary T1-Weighted Information. *Lecture Notes in Computer Science*, **2018**, 11070, 215-223	0.9	13
81	Concatenated Spatially-localized Random Forests for Hippocampus Labeling in Adult and Infant MR Brain Images. *Neurocomputing*, **2017**, 229, 3-12	5.4	20
80	Computerized detection of lung nodules through radiomics. *Medical Physics*, **2017**, 44, 4148-4158	4.4	19
79	Multi-task diagnosis for autism spectrum disorders using multi-modality features: A multi-center study. *Human Brain Mapping*, **2017**, 38, 3081-3097	5.9	50
78	A cybernetic eye for rare disease. *Nature Biomedical Engineering*, **2017**, 1,	19	5
77	Quantitative evaluation of subchondral bone microarchitecture in knee osteoarthritis using 3T MRI. *BMC Musculoskeletal Disorders*, **2017**, 18, 496	2.8	7
76	Medical Image Synthesis with Context-Aware Generative Adversarial Networks. *Lecture Notes in Computer Science*, **2017**, 10435, 417-425	0.9	221
75	Lung field segmentation using weighted sparse shape composition with robust initialization. *Medical Physics*, **2017**, 44, 5916-5929	4.4	6
74	Deformable Image Registration based on Similarity-Steered CNN Regression. *Lecture Notes in Computer Science*, **2017**, 10433, 300-308	0.9	78

73	Enhancement of Perivascular Spaces in 7 T MR Image using Haar Transform of Non-local Cubes and Block-matching Filtering. *Scientific Reports*, **2017**, 7, 8569	4.9	16
72	Learning-based structurally-guided construction of resting-state functional correlation tensors. *Magnetic Resonance Imaging*, **2017**, 43, 110-121	3.3	16
71	Deep Auto-context Convolutional Neural Networks for Standard-Dose PET Image Estimation from Low-Dose PET/MRI. *Neurocomputing*, **2017**, 267, 406-416	5.4	136
70	Brain Atlas Fusion from High-Thickness Diagnostic Magnetic Resonance Images by Learning-Based Super-Resolution. *Pattern Recognition*, **2017**, 63, 531-541	7.7	17
69	Diffusion tensor imaging assesses white matter injury in neonates with hypoxic-ischemic encephalopathy. *Neural Regeneration Research*, **2017**, 12, 603-609	4.5	8
68	Multi-label Inductive Matrix Completion for Joint MGMT and IDH1 Status Prediction for Glioma Patients. *Lecture Notes in Computer Science*, **2017**, 10434, 450-458	0.9	8
67	Learning-Based Estimation of Functional Correlation Tensors in White Matter for Early Diagnosis of Mild Cognitive Impairment. *Lecture Notes in Computer Science*, **2017**, 10530, 65-73	0.9	
66	Sparse Multi-view Task-Centralized Learning for ASD Diagnosis. *Lecture Notes in Computer Science*, **2017**, 10541, 159-167	0.9	
65	Cross-Manifold Guidance in Deformable Registration of Brain MR Images. *Lecture Notes in Computer Science*, **2016**, 415-424	0.9	1
64	Scalable High-Performance Image Registration Framework by Unsupervised Deep Feature Representations Learning. *IEEE Transactions on Biomedical Engineering*, **2016**, 63, 1505-16	5	166
63	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. *Neuroscience Letters*, **2016**, 616, 147-51	3.3	10
62	Association of abnormal white matter integrity in the acute phase of motor vehicle accidents with post-traumatic stress disorder. *Journal of Affective Disorders*, **2016**, 190, 714-722	6.6	22
61	Feature Selection Based on Iterative Canonical Correlation Analysis for Automatic Diagnosis of Parkinson's Disease. *Lecture Notes in Computer Science*, **2016**, 9901, 1-8	0.9	8
60	Outcome Prediction for Patient with High-Grade Gliomas from Brain Functional and Structural Networks. *Lecture Notes in Computer Science*, **2016**, 9901, 26-34	0.9	24
59	Combination of Grey Matter and White Matter Features for Early Prediction of Posttraumatic Stress Disorder. *Lecture Notes in Computer Science*, **2016**, 560-567	0.9	
58	Multi-Atlas Based Segmentation of Brainstem Nuclei from MR Images by Deep Hyper-Graph Learning. *Lecture Notes in Computer Science*, **2016**, 9993, 51-59	0.9	3
57	eHUGS: Enhanced Hierarchical Unbiased Graph Shrinkage for Efficient Groupwise Registration. *PLoS ONE*, **2016**, 11, e0146870	3.7	6
56	Automatic labeling of MR brain images by hierarchical learning of atlas forests. *Medical Physics*, **2016**, 43, 1175-86	4.4	24

55	Automatic lung nodule classification with radiomics approach **2016**,		15
54	Automatic Segmentation of Spinal Canals in CT Images via Iterative Topology Refinement. *IEEE Transactions on Medical Imaging*, **2015**, 34, 1694-704	11.7	9
53	Pulmonary nodule detection in CT images based on shape constraint CV model. *Medical Physics*, **2015**, 42, 1241-54	4.4	23
52	Locally-constrained boundary regression for segmentation of prostate and rectum in the planning CT images. *Medical Image Analysis*, **2015**, 26, 345-56	15.4	30
51	Hierarchical multi-atlas label fusion with multi-scale feature representation and label-specific patch partition. *NeuroImage*, **2015**, 106, 34-46	7.9	79
50	Improved image registration by sparse patch-based deformation estimation. *NeuroImage*, **2015**, 105, 257-68	7.9	30
49	Hierarchical and symmetric infant image registration by robust longitudinal-example-guided correspondence detection. *Medical Physics*, **2015**, 42, 4174-89	4.4	8
48	Predict brain MR image registration via sparse learning of appearance and transformation. *Medical Image Analysis*, **2015**, 20, 61-75	15.4	25
47	Multi-atlas Context Forests for Knee MR Image Segmentation. *Lecture Notes in Computer Science*, **2015**, 186-193	0.9	4
46	Interactive Registration and Segmentation for Multi-Atlas-Based Labeling of Brain MR Image. *Communications in Computer and Information Science*, **2015**, 240-248	0.3	1
45	Dual-Layer (ell _1)-Graph Embedding for Semi-supervised Image Labeling. *Lecture Notes in Computer Science*, **2015**, 46-53	0.9	1
44	Image Super-Resolution by Supervised Adaption of Patchwise Self-similarity from High-Resolution Image. *Lecture Notes in Computer Science*, **2015**, 9467, 10-18	0.9	2
43	Automatic Hippocampus Labeling Using the Hierarchy of Sub-region Random Forests. *Lecture Notes in Computer Science*, **2015**, 19-27	0.9	
42	Diffusion tensor image registration using hybrid connectivity and tensor features. *Human Brain Mapping*, **2014**, 35, 3529-46	5.9	9
41	Integration of network topological and connectivity properties for neuroimaging classification. *IEEE Transactions on Biomedical Engineering*, **2014**, 61, 576-89	5	89
40	Multi-atlas based representations for Alzheimer's disease diagnosis. *Human Brain Mapping*, **2014**, 35, 5052-70	5.9	53
39	Groupwise registration of brain magnetic resonance images: A review. *Journal of Shanghai Jiaotong University (Science)*, **2014**, 19, 755-762	0.6	2
38	S-HAMMER: hierarchical attribute-guided, symmetric diffeomorphic registration for MR brain images. *Human Brain Mapping*, **2014**, 35, 1044-60	5.9	37

37	Learning of Atlas Forest Hierarchy for Automatic Labeling of MR Brain Images. *Lecture Notes in Computer Science*, **2014**, 323-330	0.9	4
36	A generative probability model of joint label fusion for multi-atlas based brain segmentation. *Medical Image Analysis*, **2014**, 18, 881-90	15.4	93
35	Hierarchical unbiased graph shrinkage (HUGS): a novel groupwise registration for large data set. *NeuroImage*, **2014**, 84, 626-38	7.9	29
34	Automatic and Reliable Segmentation of Spinal Canals in Low-Resolution, Low-Contrast CT Images. *Lecture Notes in Computational Vision and Biomechanics*, **2014**, 15-24	0.3	1
33	Sparsity-Learning-Based Longitudinal MR Image Registration for Early Brain Development. *Lecture Notes in Computer Science*, **2014**, 1-8	0.9	2
32	Application of neuroanatomical features to tractography clustering. *Human Brain Mapping*, **2013**, 34, 2089-102	5.9	26
31	Groupwise Registration via Graph Shrinkage on the Image Manifold **2013**,		8
30	Unsupervised deep feature learning for deformable registration of MR brain images. *Lecture Notes in Computer Science*, **2013**, 16, 649-56	0.9	58
29	Estimating the 4D respiratory lung motion by spatiotemporal registration and super-resolution image reconstruction. *Medical Physics*, **2013**, 40, 031710	4.4	19
28	Minimizing joint risk of mislabeling for iterative Patch-based label fusion. *Lecture Notes in Computer Science*, **2013**, 16, 551-8	0.9	3
27	Brain-Cloud: A Generalized and Flexible Registration Framework for Brain MR Images. *Lecture Notes in Computer Science*, **2013**, 153-161	0.9	
26	Joint learning of appearance and transformation for predicting brain MR image registration. *Lecture Notes in Computer Science*, **2013**, 23, 499-510	0.9	3
25	Feature-based groupwise registration by hierarchical anatomical correspondence detection. *Human Brain Mapping*, **2012**, 33, 253-71	5.9	38
24	Registration of longitudinal brain image sequences with implicit template and spatial-temporal heuristics. *NeuroImage*, **2012**, 59, 404-21	7.9	25
23	Directed graph based image registration. *Computerized Medical Imaging and Graphics*, **2012**, 36, 139-51	7.6	10
22	Hierarchical attribute-guided symmetric diffeomorphic registration for MR brain images. *Lecture Notes in Computer Science*, **2012**, 15, 90-7	0.9	7
21	SharpMean: groupwise registration guided by sharp mean image and tree-based registration. *NeuroImage*, **2011**, 56, 1968-81	7.9	99
20	Intermediate templates guided groupwise registration of diffusion tensor images. *NeuroImage*, **2011**, 54, 928-39	7.9	29

19	Diffusion tensor image registration with combined tract and tensor features. *Lecture Notes in Computer Science*, **2011**, 14, 200-8	0.9	4
18	Analytical model for straight hemming based on minimum energy method. *Journal of Zhejiang University: Science A*, **2011**, 12, 532-542	2.1	2
17	iTree: Fast and accurate image registration based on the combinative and incremental tree **2011**,		2
16	Reconstruction of 4D-CT from a single free-breathing 3D-CT by spatial-temporal image registration. *Lecture Notes in Computer Science*, **2011**, 22, 686-98	0.9	8
15	Estimating the 4D respiratory lung motion by spatiotemporal registration and building super-resolution image. *Lecture Notes in Computer Science*, **2011**, 14, 532-9	0.9	8
14	Fiber modeling and clustering based on neuroanatomical features. *Lecture Notes in Computer Science*, **2011**, 14, 17-24	0.9	4
13	Directed Graph Based Image Registration. *Lecture Notes in Computer Science*, **2011**, 175-183	0.9	1
12	ABSORB: Atlas building by Self-Organized Registration and Bundling **2010**,		5
11	ABSORB: Atlas Building by Self-organized Registration and Bundling. *NeuroImage*, **2010**, 51, 1057-70	7.9	86
10	Attribute vector guided groupwise registration. *NeuroImage*, **2010**, 50, 1485-96	7.9	22
9	GROUPWISE REGISTRATION FROM EXEMPLAR TO GROUP MEAN: EXTENDING HAMMER TO GROUPWISE REGISTRATION **2010**, 2010, 396-399	1.5	7
8	Groupwise registration based on hierarchical image clustering and atlas synthesis. *Human Brain Mapping*, **2010**, 31, 1128-40	5.9	32
7	Hierarchical Fiber Clustering Based on Multi-Scale Neuroanatomical Features. *Lecture Notes in Computer Science*, **2010**, 448-456	0.9	3
6	Registration of longitudinal image sequences with implicit template and spatial-temporal heuristics. *Lecture Notes in Computer Science*, **2010**, 13, 618-25	0.9	6
5	Groupwise registration by hierarchical anatomical correspondence detection. *Lecture Notes in Computer Science*, **2010**, 13, 684-91	0.9	2
4	Groupwise registration with sharp mean. *Lecture Notes in Computer Science*, **2010**, 13, 570-7	0.9	6
3	Group-wise registration of large image dataset by hierarchical clustering and alignment **2009**,		4
2	Fast histogram equalization for medical image enhancement. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2008**, 2008, 2217-20	0.9	7

1	Construction and validation of mean shape atlas templates for atlas-based brain image segmentation. *Lecture Notes in Computer Science*, **2005**, 19, 689-700	0.9	32