Yaozong Gao

List of Publications by Year in descending order

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60 papers	2,200 citations	304368 22 h-index	243296 44 g-index
60 all docs	60 docs citations	60 times ranked	2899 citing authors

#	Article	IF	Citations
1	Development and validation of a deep-learning model for detecting brain metastases on 3D post-contrast MRI: a multi-center multi-reader evaluation study. Neuro-Oncology, 2022, 24, 1559-1570.	0.6	17
2	The state of the art in kidney and kidney tumor segmentation in contrast-enhanced CT imaging: Results of the KiTS19 challenge. Medical Image Analysis, 2021, 67, 101821.	7.0	226
3	A cascade and heterogeneous neural network for CT pulmonary nodule detection and its evaluation on both phantom and patient data. Computerized Medical Imaging and Graphics, 2021, 90, 101889.	3.5	11
4	Quantitative computed tomography of the coronavirus disease 2019 (COVID-19) pneumonia. Radiology of Infectious Diseases, 2020, 7, 55-61.	2.4	37
5	CT male pelvic organ segmentation using fully convolutional networks with boundary sensitive representation. Medical Image Analysis, 2019, 54, 168-178.	7.0	72
6	Hierarchical Vertex Regression-Based Segmentation of Head and Neck CT Images for Radiotherapy Planning. IEEE Transactions on Image Processing, 2018, 27, 923-937.	6.0	55
7	Concatenated spatially-localized random forests for hippocampus labeling in adult and infant MR brain images. Neurocomputing, 2017, 229, 3-12.	3.5	22
8	7Tâ€guided superâ€resolution of 3T MRI. Medical Physics, 2017, 44, 1661-1677.	1.6	38
9	Dual-core steered non-rigid registration for multi-modal images via bi-directional image synthesis. Medical Image Analysis, 2017, 41, 18-31.	7.0	60
10	Can we predict subjectâ€specific dynamic cortical thickness maps during infancy from birth?. Human Brain Mapping, 2017, 38, 2865-2874.	1.9	14
11	Learningâ€based deformable registration for infant <scp>MRI</scp> by integrating random forest with autoâ€context model. Medical Physics, 2017, 44, 6289-6303.	1.6	16
12	Landmark-Based Alzheimerâ€™s Disease Diagnosis Using Longitudinal Structural MR Images. Lecture Notes in Computer Science, 2017, 10081, 35-45.	1.0	3
13	LATEST: Local AdapTivE and Sequential Training for Tissue Segmentation of Isointense Infant Brain MR Images. Lecture Notes in Computer Science, 2017, 2017, 26-34.	1.0	1
14	Fully convolutional networks for multi-modality isointense infant brain image segmentation. , 2016, 2016, 1342-1345.		175
15	Nonlocal atlasâ€guided multiâ€channel forest learning for human brain labeling. Medical Physics, 2016, 43, 1003-1019.	1.6	8
16	Automatic labeling of MR brain images by hierarchical learning of atlas forests. Medical Physics, 2016, 43, 1175-1186.	1.6	26
17	Subject-Specific Estimation of Missing Cortical Thickness Maps in Developing Infant Brains. Lecture Notes in Computer Science, 2016, 9601, 83-92.	1.0	1
18	Longitudinal clinical score prediction in Alzheimer's disease with soft-split sparse regression based random forest. Neurobiology of Aging, 2016, 46, 180-191.	1.5	99

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19	7T-Guided Learning Framework for Improving the Segmentation of 3T MR Images. Lecture Notes in Computer Science, 2016, 9901, 572-580.	1.0	3
20	Learningâ€based subjectâ€specific estimation of dynamic maps of cortical morphology at missing time points in longitudinal infant studies. Human Brain Mapping, 2016, 37, 4129-4147.	1.9	17
21	Learning-Based Multimodal Image Registration for Prostate Cancer Radiation Therapy. Lecture Notes in Computer Science, 2016, 9902, 1-9.	1.0	19
22	Estimating CT Image from MRI Data Using 3D Fully Convolutional Networks. Lecture Notes in Computer Science, 2016, 2016, 170-178.	1.0	151
23	A dynamic tree-based registration could handle possible large deformations among MR brain images. Computerized Medical Imaging and Graphics, 2016, 52, 1-7.	3.5	1
24	Segmentation of perivascular spaces in 7 T MR image using auto-context model with orientation-normalized features. NeuroImage, 2016, 134, 223-235.	2.1	38
25	Accurate Segmentation of CT Male Pelvic Organs via Regression-Based Deformable Models and Multi-Task Random Forests. IEEE Transactions on Medical Imaging, 2016, 35, 1532-1543.	5.4	71
26	In vivo MRI based prostate cancer localization with random forests and auto-context model. Computerized Medical Imaging and Graphics, 2016, 52, 44-57.	3.5	16
27	A learning-based CT prostate segmentation method via joint transductive feature selection and regression. Neurocomputing, 2016, 173, 317-331.	3.5	17
28	Automatic Hippocampal Subfield Segmentation from 3T Multi-modality Images. Lecture Notes in Computer Science, 2016, 10019, 229-236.	1.0	2
29	Segmentation of Perivascular Spaces Using Vascular Features and Structured Random Forest from 7T MR Image. Lecture Notes in Computer Science, 2016, 10019, 61-68.	1.0	8
30	Regression Guided Deformable Models for Segmentation of Multiple Brain ROIs. Lecture Notes in Computer Science, 2016, 10019, 237-245.	1.0	0
31	Automatic Cystocele Severity Grading in Ultrasound by Spatio-Temporal Regression. Lecture Notes in Computer Science, 2016, 9901, 247-255.	1.0	0
32	Automated segmentation of dental CBCT image with prior-guided sequential random forests. Medical Physics, 2015, 43, 336-346.	1.6	58
33	Estimating patientâ€specific and anatomically correct reference model for craniomaxillofacial deformity via sparse representation. Medical Physics, 2015, 42, 5809-5816.	1.6	19
34	Online updating of contextâ€aware landmark detectors for prostate localization in daily treatment CT images. Medical Physics, 2015, 42, 2594-2606.	1.6	2
35	Collaborative regression-based anatomical landmark detection. Physics in Medicine and Biology, 2015, 60, 9377-9401.	1.6	21
36	LINKS: Learning-based multi-source IntegratioN frameworK for Segmentation of infant brain images. NeuroImage, 2015, 108, 160-172.	2.1	208

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37	Robust anatomical landmark detection with application to MR brain image registration. Computerized Medical Imaging and Graphics, 2015, 46, 277-290.	3.5	21
38	Multi-atlas Based Segmentation Editing with Interaction-Guided Constraints. Lecture Notes in Computer Science, 2015, 9351, 198-206.	1.0	1
39	Locally-constrained boundary regression for segmentation of prostate and rectum in the planning CT images. Medical Image Analysis, 2015, 26, 345-356.	7.0	34
40	Automatic parcellation of cortical surfaces using random forests. , 2015, 2015, 810-813.		6
41	Prediction of standardâ€dose brain PET image by using MRI and lowâ€dose brain [¹⁸F]FDG PET images. Medical Physics, 2015, 42, 5301-5309.	1.6	49
42	Multi-source Information Gain for Random Forest: An Application to CT Image Prediction from MRI Data. Lecture Notes in Computer Science, 2015, 9352, 321-329.	1.0	3
43	Soft-Split Random Forest for Anatomy Labeling. Lecture Notes in Computer Science, 2015, 9352, 17-25.	1.0	1
44	Isointense Infant Brain Segmentation by Stacked Kernel Canonical Correlation Analysis. Lecture Notes in Computer Science, 2015, 9467, 28-36.	1.0	1
45	Non-local Atlas-guided Multi-channel Forest Learning for Human Brain Labeling. Lecture Notes in Computer Science, 2015, 9351, 719-726.	1.0	0
46	Hierarchical Multi-modal Image Registration by Learning Common Feature Representations. Lecture Notes in Computer Science, 2015, 9352, 203-211.	1.0	0
47	Automated bone segmentation from dental CBCT images using patchâ€based sparse representation and convex optimization. Medical Physics, 2014, 41, 043503.	1.6	64
48	Deformable segmentation of 3D MR prostate images via distributed discriminative dictionary and ensemble learning. Medical Physics, 2014, 41, 072303.	1.6	15
49	Interactive prostate segmentation using atlasâ€guided semiâ€supervised learning and adaptive feature selection. Medical Physics, 2014, 41, 111715.	1.6	22
50	Incremental Learning With Selective Memory (ILSM): Towards Fast Prostate Localization for Image Guided Radiotherapy. IEEE Transactions on Medical Imaging, 2014, 33, 518-534.	5.4	16
51	Integration of sparse multi-modality representation and anatomical constraint for isointense infant brain MR image segmentation. NeuroImage, 2014, 89, 152-164.	2.1	96
52	Learning Distance Transform for Boundary Detection and Deformable Segmentation in CT Prostate Images. Lecture Notes in Computer Science, 2014, 8679, 93-100.	1.0	16
53	Sparse Patch-Based Label Propagation for Accurate Prostate Localization in CT Images. IEEE Transactions on Medical Imaging, 2013, 32, 419-434.	5.4	67
54	MR prostate segmentation via distributed discriminative dictionary (DDD) learning. , 2013, 2013, 868-871.		4

#	ARTICLE	IF	CITATIONS
55	Unsupervised Deep Feature Learning for Deformable Registration of MR Brain Images. Lecture Notes in Computer Science, 2013, 16, 649-656.	1.0	85
56	Automated Segmentation of CBCT Image Using Spiral CT Atlases and Convex Optimization. Lecture Notes in Computer Science, 2013, 16, 251-258.	1.0	17
57	Representation Learning: A Unified Deep Learning Framework for Automatic Prostate MR Segmentation. Lecture Notes in Computer Science, 2013, 16, 254-261.	1.0	91
58	Incremental Learning with Selective Memory (ILSM): Towards Fast Prostate Localization for Image Guided Radiotherapy. Lecture Notes in Computer Science, 2013, 16, 378-386.	1.0	4
59	Prostate segmentation by sparse representation based classification. Medical Physics, 2012, 39, 6372-6387.	1.6	46
60	Prostate Segmentation by Sparse Representation Based Classification. Lecture Notes in Computer Science, 2012, 15, 451-458.	1.0	9