

Yaozong Gao

List of Publications by Year in descending order

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Version: 2024-02-01

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	The state of the art in kidney and kidney tumor segmentation in contrast-enhanced CT imaging: Results of the KiTS19 challenge. <i>Medical Image Analysis</i> , 2021, 67, 101821.	7.0	226
2	LINKS: Learning-based multi-source Integration framework for Segmentation of infant brain images. <i>NeuroImage</i> , 2015, 108, 160-172.	2.1	208
3	Fully convolutional networks for multi-modality iso-intense infant brain image segmentation. , 2016, 2016, 1342-1345.		175
4	Estimating CT Image from MRI Data Using 3D Fully Convolutional Networks. <i>Lecture Notes in Computer Science</i> , 2016, 2016, 170-178.	1.0	151
5	Longitudinal clinical score prediction in Alzheimer's disease with soft-split sparse regression based random forest. <i>Neurobiology of Aging</i> , 2016, 46, 180-191.	1.5	99
6	Integration of sparse multi-modality representation and anatomical constraint for iso-intense infant brain MR image segmentation. <i>NeuroImage</i> , 2014, 89, 152-164.	2.1	96
7	Representation Learning: A Unified Deep Learning Framework for Automatic Prostate MR Segmentation. <i>Lecture Notes in Computer Science</i> , 2013, 16, 254-261.	1.0	91
8	Unsupervised Deep Feature Learning for Deformable Registration of MR Brain Images. <i>Lecture Notes in Computer Science</i> , 2013, 16, 649-656.	1.0	85
9	CT male pelvic organ segmentation using fully convolutional networks with boundary sensitive representation. <i>Medical Image Analysis</i> , 2019, 54, 168-178.	7.0	72
10	Accurate Segmentation of CT Male Pelvic Organs via Regression-Based Deformable Models and Multi-Task Random Forests. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 1532-1543.	5.4	71
11	Sparse Patch-Based Label Propagation for Accurate Prostate Localization in CT Images. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 419-434.	5.4	67
12	Automated bone segmentation from dental CBCT images using patch-based sparse representation and convex optimization. <i>Medical Physics</i> , 2014, 41, 043503.	1.6	64
13	Dual-core steered non-rigid registration for multi-modal images via bi-directional image synthesis. <i>Medical Image Analysis</i> , 2017, 41, 18-31.	7.0	60
14	Automated segmentation of dental CBCT image with prior-guided sequential random forests. <i>Medical Physics</i> , 2015, 43, 336-346.	1.6	58
15	Hierarchical Vertex Regression-Based Segmentation of Head and Neck CT Images for Radiotherapy Planning. <i>IEEE Transactions on Image Processing</i> , 2018, 27, 923-937.	6.0	55
16	Prediction of standard-dose brain PET image by using MRI and low-dose brain [¹⁸ F]FDG PET images. <i>Medical Physics</i> , 2015, 42, 5301-5309.	1.6	49
17	Prostate segmentation by sparse representation based classification. <i>Medical Physics</i> , 2012, 39, 6372-6387.	1.6	46
18	Segmentation of perivascular spaces in 7 T MR image using auto-context model with orientation-normalized features. <i>NeuroImage</i> , 2016, 134, 223-235.	2.1	38

#	ARTICLE	IF	CITATIONS
19	7T-guided super-resolution of 3T MRI. <i>Medical Physics</i> , 2017, 44, 1661-1677.	1.6	38
20	Quantitative computed tomography of the coronavirus disease 2019 (COVID-19) pneumonia. <i>Radiology of Infectious Diseases</i> , 2020, 7, 55-61.	2.4	37
21	Locally-constrained boundary regression for segmentation of prostate and rectum in the planning CT images. <i>Medical Image Analysis</i> , 2015, 26, 345-356.	7.0	34
22	Automatic labeling of MR brain images by hierarchical learning of atlas forests. <i>Medical Physics</i> , 2016, 43, 1175-1186.	1.6	26
23	Interactive prostate segmentation using atlas-guided semi-supervised learning and adaptive feature selection. <i>Medical Physics</i> , 2014, 41, 111715.	1.6	22
24	Concatenated spatially-localized random forests for hippocampus labeling in adult and infant MR brain images. <i>Neurocomputing</i> , 2017, 229, 3-12.	3.5	22
25	Collaborative regression-based anatomical landmark detection. <i>Physics in Medicine and Biology</i> , 2015, 60, 9377-9401.	1.6	21
26	Robust anatomical landmark detection with application to MR brain image registration. <i>Computerized Medical Imaging and Graphics</i> , 2015, 46, 277-290.	3.5	21
27	Estimating patient-specific and anatomically correct reference model for craniomaxillofacial deformity via sparse representation. <i>Medical Physics</i> , 2015, 42, 5809-5816.	1.6	19
28	Learning-Based Multimodal Image Registration for Prostate Cancer Radiation Therapy. <i>Lecture Notes in Computer Science</i> , 2016, 9902, 1-9.	1.0	19
29	Learning-based subject-specific estimation of dynamic maps of cortical morphology at missing time points in longitudinal infant studies. <i>Human Brain Mapping</i> , 2016, 37, 4129-4147.	1.9	17
30	A learning-based CT prostate segmentation method via joint transductive feature selection and regression. <i>Neurocomputing</i> , 2016, 173, 317-331.	3.5	17
31	Automated Segmentation of CBCT Image Using Spiral CT Atlases and Convex Optimization. <i>Lecture Notes in Computer Science</i> , 2013, 16, 251-258.	1.0	17
32	Development and validation of a deep-learning model for detecting brain metastases on 3D post-contrast MRI: a multi-center multi-reader evaluation study. <i>Neuro-Oncology</i> , 2022, 24, 1559-1570.	0.6	17
33	Incremental Learning With Selective Memory (ILSM): Towards Fast Prostate Localization for Image Guided Radiotherapy. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 518-534.	5.4	16
34	In vivo MRI based prostate cancer localization with random forests and auto-context model. <i>Computerized Medical Imaging and Graphics</i> , 2016, 52, 44-57.	3.5	16
35	Learning-based deformable registration for infant MRI by integrating random forest with auto-context model. <i>Medical Physics</i> , 2017, 44, 6289-6303.	1.6	16
36	Learning Distance Transform for Boundary Detection and Deformable Segmentation in CT Prostate Images. <i>Lecture Notes in Computer Science</i> , 2014, 8679, 93-100.	1.0	16

#	ARTICLE	IF	CITATIONS
37	Deformable segmentation of 3D MR prostate images via distributed discriminative dictionary and ensemble learning. <i>Medical Physics</i> , 2014, 41, 072303.	1.6	15
38	Can we predict subject-specific dynamic cortical thickness maps during infancy from birth?. <i>Human Brain Mapping</i> , 2017, 38, 2865-2874.	1.9	14
39	A cascade and heterogeneous neural network for CT pulmonary nodule detection and its evaluation on both phantom and patient data. <i>Computerized Medical Imaging and Graphics</i> , 2021, 90, 101889.	3.5	11
40	Prostate Segmentation by Sparse Representation Based Classification. <i>Lecture Notes in Computer Science</i> , 2012, 15, 451-458.	1.0	9
41	Nonlocal atlas-guided multi-channel forest learning for human brain labeling. <i>Medical Physics</i> , 2016, 43, 1003-1019.	1.6	8
42	Segmentation of Perivascular Spaces Using Vascular Features and Structured Random Forest from 7T MR Image. <i>Lecture Notes in Computer Science</i> , 2016, 10019, 61-68.	1.0	8
43	Automatic parcellation of cortical surfaces using random forests. , 2015, 2015, 810-813.		6
44	MR prostate segmentation via distributed discriminative dictionary (DDD) learning. , 2013, 2013, 868-871.		4
45	Incremental Learning with Selective Memory (ILSM): Towards Fast Prostate Localization for Image Guided Radiotherapy. <i>Lecture Notes in Computer Science</i> , 2013, 16, 378-386.	1.0	4
46	7T-Guided Learning Framework for Improving the Segmentation of 3T MR Images. <i>Lecture Notes in Computer Science</i> , 2016, 9901, 572-580.	1.0	3
47	Landmark-Based Alzheimer's Disease Diagnosis Using Longitudinal Structural MR Images. <i>Lecture Notes in Computer Science</i> , 2017, 10081, 35-45.	1.0	3
48	Multi-source Information Gain for Random Forest: An Application to CT Image Prediction from MRI Data. <i>Lecture Notes in Computer Science</i> , 2015, 9352, 321-329.	1.0	3
49	Online updating of context-aware landmark detectors for prostate localization in daily treatment CT images. <i>Medical Physics</i> , 2015, 42, 2594-2606.	1.6	2
50	Automatic Hippocampal Subfield Segmentation from 3T Multi-modality Images. <i>Lecture Notes in Computer Science</i> , 2016, 10019, 229-236.	1.0	2
51	Multi-atlas Based Segmentation Editing with Interaction-Guided Constraints. <i>Lecture Notes in Computer Science</i> , 2015, 9351, 198-206.	1.0	1
52	Subject-Specific Estimation of Missing Cortical Thickness Maps in Developing Infant Brains. <i>Lecture Notes in Computer Science</i> , 2016, 9601, 83-92.	1.0	1
53	A dynamic tree-based registration could handle possible large deformations among MR brain images. <i>Computerized Medical Imaging and Graphics</i> , 2016, 52, 1-7.	3.5	1
54	LATEST: Local Adaptive and Sequential Training for Tissue Segmentation of Isointense Infant Brain MR Images. <i>Lecture Notes in Computer Science</i> , 2017, 2017, 26-34.	1.0	1

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55	Soft-Split Random Forest for Anatomy Labeling. Lecture Notes in Computer Science, 2015, 9352, 17-25.	1.0	1
56	Isointense Infant Brain Segmentation by Stacked Kernel Canonical Correlation Analysis. Lecture Notes in Computer Science, 2015, 9467, 28-36.	1.0	1
57	Non-local Atlas-guided Multi-channel Forest Learning for Human Brain Labeling. Lecture Notes in Computer Science, 2015, 9351, 719-726.	1.0	0
58	Hierarchical Multi-modal Image Registration by Learning Common Feature Representations. Lecture Notes in Computer Science, 2015, 9352, 203-211.	1.0	0
59	Regression Guided Deformable Models for Segmentation of Multiple Brain ROIs. Lecture Notes in Computer Science, 2016, 10019, 237-245.	1.0	0
60	Automatic Cystocele Severity Grading in Ultrasound by Spatio-Temporal Regression. Lecture Notes in Computer Science, 2016, 9901, 247-255.	1.0	0