

# Yubing Tong

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

643  
citations

686830

13  
h-index

642321

23  
g-index

60  
all docs

60  
docs citations

60  
times ranked

630  
citing authors

#	ARTICLE	IF	CITATIONS
1	Body-wide hierarchical fuzzy modeling, recognition, and delineation of anatomy in medical images. <i>Medical Image Analysis</i> , 2014, 18, 752-771.	7.0	81
2	Optimization of abdominal fat quantification on CT imaging through use of standardized anatomic space: A novel approach. <i>Medical Physics</i> , 2014, 41, 063501.	1.6	47
3	Review of Vehicle Routing Problems: Models, Classification and Solving Algorithms. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 195-221.	6.0	42
4	Adipose tissue quantification and primary graft dysfunction after lung transplantation: The Lung Transplant Body Composition study. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 1246-1256.	0.3	29
5	Online multi-object tracking using multi-function integration and tracking simulation training. <i>Applied Intelligence</i> , 2022, 52, 1268-1288.	3.3	29
6	Face Recognition Using Gabor-Based Feature Extraction and Feature Space Transformation Fusion Method for Single Image per Person Problem. <i>Neural Processing Letters</i> , 2018, 47, 1197-1217.	2.0	28
7	AAR-RT “A system for auto-contouring organs at risk on CT images for radiation therapy planning: Principles, design, and large-scale evaluation on head-and-neck and thoracic cancer cases. <i>Medical Image Analysis</i> , 2019, 54, 45-62.	7.0	27
8	Retrospective 4D MR image construction from free-breathing slice Acquisitions: A novel graph-based approach. <i>Medical Image Analysis</i> , 2017, 35, 345-359.	7.0	26
9	Quantitative Dynamic Thoracic MRI: Application to Thoracic Insufficiency Syndrome in Pediatric Patients. <i>Radiology</i> , 2019, 292, 206-213.	3.6	22
10	Chest Fat Quantification via CT Based on Standardized Anatomy Space in Adult Lung Transplant Candidates. <i>PLoS ONE</i> , 2017, 12, e0168932.	1.1	21
11	DiSegNet: A deep dilated convolutional encoder-decoder architecture for lymph node segmentation on PET/CT images. <i>Computerized Medical Imaging and Graphics</i> , 2021, 88, 101851.	3.5	20
12	MR Image Analytics to Characterize the Upper Airway Structure in Obese Children with Obstructive Sleep Apnea Syndrome. <i>PLoS ONE</i> , 2016, 11, e0159327.	1.1	18
13	Automatic anatomy recognition in whole-body PET/CT images. <i>Medical Physics</i> , 2016, 43, 613-629.	1.6	17
14	Radiomics-guided therapy for bladder cancer: Using an optimal biomarker approach to determine extent of bladder cancer invasion from t2-weighted magnetic resonance images. <i>Advances in Radiation Oncology</i> , 2018, 3, 331-338.	0.6	14
15	Image and video quality assessment using neural network and SVM. <i>Tsinghua Science and Technology</i> , 2008, 13, 112-116.	4.1	13
16	Object recognition in medical images via anatomy-guided deep learning. <i>Medical Image Analysis</i> , 2022, 81, 102527.	7.0	13
17	LinSEM: Linearizing segmentation evaluation metrics for medical images. <i>Medical Image Analysis</i> , 2020, 60, 101601.	7.0	11
18	Auto-contouring via automatic anatomy recognition of organs at risk in head and neck cancer on CT images. , 2018, 10576, .		11

#	ARTICLE	IF	CITATIONS
19	A Novel Geometric Mean Feature Space Discriminant Analysis Method for Hyperspectral Image Feature Extraction. <i>Neural Processing Letters</i> , 2020, 51, 515-542.	2.0	10
20	ABCNet: A new efficient 3D dense structure network for segmentation and analysis of body tissue composition on body-wide CT images. <i>Medical Physics</i> , 2020, 47, 2986-2999.	1.6	10
21	Thoracic Visceral Adipose Tissue Area and Pulmonary Hypertension in Lung Transplant Candidates. The Lung Transplant Body Composition Study. <i>Annals of the American Thoracic Society</i> , 2020, 17, 1393-1400.	1.5	9
22	Interactive iterative relative fuzzy connectedness lung segmentation on thoracic 4D dynamic MR images. <i>Proceedings of SPIE</i> , 2017, 10137, .	0.8	8
23	A Study of the Feasibility of FDG-PET/CT to Systematically Detect and Quantify Differential Metabolic Effects of Chronic Tobacco Use in Organs of the Whole Body—A Prospective Pilot Study. <i>Academic Radiology</i> , 2017, 24, 930-940.	1.3	8
24	Thoracic Quantitative Dynamic MRI to Understand Developmental Changes in Normal Ventilatory Dynamics. <i>Chest</i> , 2021, 159, 712-723.	0.4	8
25	Hierarchical model-based object localization for auto-contouring in head and neck radiation therapy planning. , 2018, 10578, .		8
26	Image quality and segmentation. , 2018, 10576, .		7
27	Effect of sleep on upper airway dynamics in obese adolescents with obstructive sleep apnea syndrome. <i>Sleep</i> , 2020, 43, .	0.6	7
28	Minimally interactive segmentation of 4D dynamic upper airway MR images via fuzzy connectedness. <i>Medical Physics</i> , 2016, 43, 2323-2333.	1.6	6
29	Automatic thoracic anatomy segmentation on CT images using hierarchical fuzzy models and registration. <i>Medical Physics</i> , 2016, 43, 1487-1500.	1.6	6
30	Quantitative normal thoracic anatomy at CT. <i>Computerized Medical Imaging and Graphics</i> , 2016, 51, 1-10.	3.5	6
31	Quantification of body-wide tissue composition on low-dose CT images via automatic anatomy recognition. <i>Medical Physics</i> , 2019, 46, 1272-1285.	1.6	6
32	AARNet: Automatic anatomy recognition based disease quantification in thoracic lymph node zones via FDG PET/CT images without Nodal Delineation. <i>Medical Physics</i> , 2020, 47, 3467-3484.	1.6	6
33	Quantitative dynamic MRI (QdMRI) volumetric analysis of pediatric patients with thoracic insufficiency syndrome. , 2018, 10578, .		6
34	4D image construction from free-breathing MRI slice acquisitions of the thorax based on a concept of flux. , 2020, 11312, .		5
35	Body region localization in whole-body low-dose CT images of PET/CT scans using virtual landmarks. <i>Medical Physics</i> , 2019, 46, 1286-1299.	1.6	4
36	BRRNet: A tandem architectural CNN-RNN for automatic body region localization in CT images. <i>Medical Physics</i> , 2020, 47, 5020-5031.	1.6	4

#	ARTICLE	IF	CITATIONS
37	OFx: A method of 4D image construction from free-breathing non-gated MRI slice acquisitions of the thorax via optical flux. <i>Medical Image Analysis</i> , 2021, 72, 102088.	7.0	4
38	Lung parenchymal analysis on dynamic MRI in thoracic insufficiency syndrome to assess changes following surgical intervention. , 2018, 10575, .		4
39	Segmentation of 4D images via space-time neural networks. , 2020, 11317, .		4
40	Automatic upper airway segmentation in static and dynamic MRI via anatomy-guided convolutional neural networks. <i>Medical Physics</i> , 2022, 49, 324-342.	1.6	4
41	Virtual landmarks. <i>Proceedings of SPIE</i> , 2017, 10135, .	0.8	3
42	Automatic thoracic body region localization. <i>Proceedings of SPIE</i> , 2017, 10134, .	0.8	3
43	Relaxed group low rank regression model for multi-class classification. <i>Multimedia Tools and Applications</i> , 2021, 80, 9459-9477.	2.6	3
44	Segmentation evaluation with sparse ground truth data: Simulating true segmentations as perfect/imperfect as those generated by humans. <i>Medical Image Analysis</i> , 2021, 69, 101980.	7.0	3
45	Automatic lung segmentation in dynamic thoracic MRI using two-stage deep convolutional neural networks. , 2022, , .		3
46	Thoracic lymph node station recognition on CT images based on automatic anatomy recognition with an optimal parent strategy. , 2018, 10574, .		2
47	Lung parenchymal characterization via thoracic dynamic MRI in normal children and pediatric patients with TIS. , 2021, 11598, .		2
48	Reciprocal kernel-based weighted collaborative competitive representation for robust face recognition. <i>Machine Vision and Applications</i> , 2021, 32, 1.	1.7	2
49	Architectural analysis on dynamic MRI to study thoracic insufficiency syndrome. , 2018, 10576, .		2
50	Image compact-resolution and reconstruction using reversible network. <i>IET Image Processing</i> , 2020, 14, 4376-4384.	1.4	2
51	SOMA: Subject, Object, and Modality-Adapted Precision Atlas Approach for Automatic Anatomy Recognition and Delineation in Medical Images. <i>Medical Physics</i> , 2021, , .	1.6	2
52	Online Pedestrian Multiple-Object Tracking with Prediction Refinement and Track Classification. <i>Neural Processing Letters</i> , 2022, 54, 4893-4919.	2.0	2
53	Estimation of the dynamic volume of each lung via rapid limited-slice dynamic MRI. , 2021, 11595, .		1
54	Anatomy recognition in CT images of head and neck region via precision atlases. , 2021, 11596, .		1

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55	Upper airway effective compliance during wakefulness and sleep in obese adolescents studied via two-dimensional dynamic MRI and semiautomated image segmentation. <i>Journal of Applied Physiology</i> , 2021, 131, 532-543.	1.2	1
56	Automatic anatomy recognition using neural network learning of object relationships via virtual landmarks. , 2018, 10574, .		1
57	Automatic labeling of respiratory phases and detection of abnormal respiratory signals in free-breathing thoracic dynamic MR image acquisitions based on deep learning. , 2020, 11315, .		1
58	A Minimally Interactive Method for Labeling Respiratory Phases in Free-Breathing Thoracic Dynamic MRI for Constructing 4D Images. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 1424-1434.	2.5	0
59	QdMRI: a system for a comprehensive analysis of thoracic dynamics via dynamic MRI. , 2022, , .		0
60	Anatomy-guided deep learning for object localization in medical images. , 2022, , .		0