Dakai Jin

List of Publications by Year
in descending order

21 papers	465 citations	759233 12 h-index	996975 15 g-index
21 all docs	21 docs citations	21 times ranked	907 citing authors

#	Article	IF	Citations
1	Quantitative Dual-Energy Computed Tomography Supports a Vascular Etiology of Smoking-induced Inflammatory Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 652-661.	5.6	77
2	A robust and efficient curve skeletonization algorithm for tree-like objects using minimum cost paths. Pattern Recognition Letters, 2016, 76, 32-40.	4.2	54
3	Lymphocyte-driven regional immunopathology in pneumonitis caused by impaired central immune tolerance. Science Translational Medicine, 2019, 11, .	12.4	52
4	A Robust Algorithm for Thickness Computation at Low Resolution and Its Application to <i>In Vivo</i> Trabecular Bone CT Imaging. IEEE Transactions on Biomedical Engineering, 2014, 61, 2057-2069.	4.2	44
5	3D Convolutional Neural Networks with Graph Refinement for Airway Segmentation Using Incomplete Data Labels. Lecture Notes in Computer Science, 2017, , 141-149.	1.3	42
6	Quantitative imaging of peripheral trabecular bone microarchitecture using <scp>MDCT</scp>. Medical Physics, 2018, 45, 236-249.	3.0	38
7	Pathological Pulmonary Lobe Segmentation from CT Images Using Progressive Holistically Nested Neural Networks and Random Walker. Lecture Notes in Computer Science, 2017, , 195-203.	1.3	25
8	Characterization of trabecular bone plate–rod microarchitecture using multirow detector CT and the tensor scale: Algorithms, validation, and applications to pilot human studies. Medical Physics, 2015, 42, 5410-5425.	3.0	22
9	Automated cortical bone segmentation for multirow–detector CT imaging with validation and application to human studies. Medical Physics, 2015, 42, 4553-4565.	3.0	19
10	Fuzzy Object Skeletonization: Theory, Algorithms, and Applications. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 2298-2314.	4.4	17
11	Artificial intelligence in radiology. , 2021, , 265-289.		14
12	Lymph Node Gross Tumor Volume Detection in Oncology Imaging via Relationship Learning Using Graph Neural Network. Lecture Notes in Computer Science, 2020, , 772-782.	1.3	14
13	Fully automated prostate whole gland and central gland segmentation on MRI using holistically nested networks with short connections. Journal of Medical Imaging, 2019, 6, 1.	1.5	14
14	White matter hyperintensity segmentation from T1 and FLAIR images using fully convolutional neural networks enhanced with residual connections. , 2018, , .		9
15	A New Approach of Arc Skeletonization for Tree-like Objects Using Minimum Cost Path. , 2014, 2014, 942-947.		6
16	A controlled statistical study to assess measurement variability as a function of test object position and configuration for automated surveillance in a multicenter longitudinal COPD study (SPIROMICS). Medical Physics, 2016, 43, 2598-2610.	3.0	6
17	A semi-automatic framework of measuring pulmonary arterial metrics at anatomic airway locations using CT imaging. Proceedings of SPIE, 2016, 9788, .	0.8	5
18	An iterative method for airway segmentation using multiscale leakage detection. , 2017, , .		3

#	Article	IF	Citations
19	Curve skeletonization using minimum-cost path. , 2017, , 151-180.		2
20	A New Algorithm for Cortical Bone Segmentation with Its Validation and Applications to In Vivo Imaging. Lecture Notes in Computer Science, 2013, 8157, 349-358.	1.3	2
21	A Novel Iterative Method for Airway Tree Segmentation from CT Imaging Using Multiscale Leakage Detection. Lecture Notes in Computer Science, 2017, , 46-60.	1.3	0