Xiaosong Wang

List of Publications by Year
in descending order

30 papers	4,105 citations	623734 14 h-index	642732 23 g-index
31 all docs	31 docs citations	31 times ranked	4048 citing authors

#	Article	IF	Citations
1	Determination of disease severity in COVID-19 patients using deep learning in chest X-ray images. Diagnostic and Interventional Radiology, 2021, 27, 20-27.	1.5	44
2	Improving Pneumonia Localization via Cross-Attention on Medical Images andÂReports. Lecture Notes in Computer Science, 2021, , 571-581.	1.3	10
3	Federated Whole Prostate Segmentation in MRI with Personalized Neural Architectures. Lecture Notes in Computer Science, 2021, , 357-366.	1.3	17
4	Multi-Domain Image Completion for Random Missing Input Data. IEEE Transactions on Medical Imaging, 2021, 40, 1113-1122.	8.9	43
5	Federated semi-supervised learning for COVID region segmentation in chest CT using multi-national data from China, Italy, Japan. Medical Image Analysis, 2021, 70, 101992.	11.6	140
6	Going to Extremes: Weakly Supervised Medical Image Segmentation. Machine Learning and Knowledge Extraction, 2021, 3, 507-524.	5.0	21
7	Spatio-Temporal Convolutional LSTMs for Tumor Growth Prediction by Learning 4D Longitudinal Patient Data. IEEE Transactions on Medical Imaging, 2020, 39, 1114-1126.	8.9	39
8	Text mining and deep learning for disease classification. , 2020, , 109-135.		1
9	When Radiology Report Generation Meets Knowledge Graph. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 12910-12917.	4.9	101
10	Weakly Supervised One-Stage Vision and Language Disease Detection Using Large Scale Pneumonia and Pneumothorax Studies. Lecture Notes in Computer Science, 2020, , 45-55.	1.3	8
11	Generalizing Deep Learning for Medical Image Segmentation to Unseen Domains via Deep Stacked Transformation. IEEE Transactions on Medical Imaging, 2020, 39, 2531-2540.	8.9	220
12	Weakly Supervised Segmentation from Extreme Points. Lecture Notes in Computer Science, 2019, , 42-50.	1.3	9
13	Deep learning in medical imaging and radiation therapy. Medical Physics, 2019, 46, e1-e36.	3.0	513
14	ChestX-ray: Hospital-Scale Chest X-ray Database and Benchmarks on Weakly Supervised Classification and Localization of Common Thorax Diseases. Advances in Computer Vision and Pattern Recognition, 2019, , 369-392.	1.3	45
15	Interactive 3D Segmentation Editing and Refinement via Gated Graph Neural Networks. Lecture Notes in Computer Science, 2019, , 9-17.	1.3	3
16	Tunable CT Lung Nodule Synthesis Conditioned on Background Image and Semantic Features. Lecture Notes in Computer Science, 2019, , 62-70.	1.3	7
17	Automatic Classification and Reporting of Multiple Common Thorax Diseases Using Chest Radiographs. Advances in Computer Vision and Pattern Recognition, 2019, , 393-412.	1.3	1
18	Deep Lesion Graphs in the Wild: Relationship Learning and Organization of Significant Radiology Image Findings in a Diverse Large-Scale Lesion Database. , 2018, , .		78

#	Article	IF	Citations
19	TieNet: Text-Image Embedding Network for Common Thorax Disease Classification and Reporting in Chest X-Rays. , 2018, , .		261
20	Attention-Guided Curriculum Learning for Weakly Supervised Classification and Localization of Thoracic Diseases on Chest Radiographs. Lecture Notes in Computer Science, 2018, , 249-258.	1.3	67
21	DeepLesion: automated mining of large-scale lesion annotations and universal lesion detection with deep learning. Journal of Medical Imaging, 2018, 5, 1.	1.5	288
22	Unsupervised Joint Mining of Deep Features and Image Labels for Large-Scale Radiology Image Categorization and Scene Recognition. , 2017, , .		26
23	Convolutional neural network based deep-learning architecture for prostate cancer detection on multiparametric magnetic resonance images. Proceedings of SPIE, 2017, , .	0.8	30
24	Biopsy-guided learning with deep convolutional neural networks for Prostate Cancer detection on multiparametric MRI. , 2017, , .		28
25	ChestX-Ray8: Hospital-Scale Chest X-Ray Database and Benchmarks on Weakly-Supervised Classification and Localization of Common Thorax Diseases. , 2017, , .		2,038
26	Automatic Lymph Node Cluster Segmentation Using Holistically-Nested Neural Networks andÂStructured Optimization in CT Images. Lecture Notes in Computer Science, 2016, , 388-397.	1.3	31
27	Archive Film Defect Detection and Removal: An Automatic Restoration Framework. IEEE Transactions on Image Processing, 2012, 21, 3757-3769.	9.8	14
28	Archive Film Restoration Based on Spatiotemporal Random Walks. Lecture Notes in Computer Science, 2010, , 478-491.	1.3	8
29	Archive film defect detection based on a hidden Markov model. , 2009, , .		0
30	HMM based Archive Film Defect Detection with Spatial and Temporal Constraints. , 2009, , .		6