

Xiaosong Wang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

4,105
citations

623188

14
h-index

642321

23
g-index

31
all docs

31
docs citations

31
times ranked

4048
citing authors

#	ARTICLE	IF	CITATIONS
1	ChestX-Ray8: Hospital-Scale Chest X-Ray Database and Benchmarks on Weakly-Supervised Classification and Localization of Common Thorax Diseases. , 2017, , .		2,038
2	Deep learning in medical imaging and radiation therapy. Medical Physics, 2019, 46, e1-e36.	1.6	513
3	DeepLesion: automated mining of large-scale lesion annotations and universal lesion detection with deep learning. Journal of Medical Imaging, 2018, 5, 1.	0.8	288
4	TieNet: Text-Image Embedding Network for Common Thorax Disease Classification and Reporting in Chest X-Rays. , 2018, , .		261
5	Generalizing Deep Learning for Medical Image Segmentation to Unseen Domains via Deep Stacked Transformation. IEEE Transactions on Medical Imaging, 2020, 39, 2531-2540.	5.4	220
6	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.	7.0	140
7	When Radiology Report Generation Meets Knowledge Graph. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 12910-12917.	3.6	101
8	Deep Lesion Graphs in the Wild: Relationship Learning and Organization of Significant Radiology Image Findings in a Diverse Large-Scale Lesion Database. , 2018, , .		78
9	Attention-Guided Curriculum Learning for Weakly Supervised Classification and Localization of Thoracic Diseases on Chest Radiographs. Lecture Notes in Computer Science, 2018, , 249-258.	1.0	67
10	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.	0.9	45
11	Determination of disease severity in COVID-19 patients using deep learning in chest X-ray images. Diagnostic and Interventional Radiology, 2021, 27, 20-27.	0.7	44
12	Multi-Domain Image Completion for Random Missing Input Data. IEEE Transactions on Medical Imaging, 2021, 40, 1113-1122.	5.4	43
13	Spatio-Temporal Convolutional LSTMs for Tumor Growth Prediction by Learning 4D Longitudinal Patient Data. IEEE Transactions on Medical Imaging, 2020, 39, 1114-1126.	5.4	39
14	Automatic Lymph Node Cluster Segmentation Using Holistically-Nested Neural Networks and Structured Optimization in CT Images. Lecture Notes in Computer Science, 2016, , 388-397.	1.0	31
15	Convolutional neural network based deep-learning architecture for prostate cancer detection on multiparametric magnetic resonance images. Proceedings of SPIE, 2017, , .	0.8	30
16	Biopsy-guided learning with deep convolutional neural networks for Prostate Cancer detection on multiparametric MRI. , 2017, , .		28
17	Unsupervised Joint Mining of Deep Features and Image Labels for Large-Scale Radiology Image Categorization and Scene Recognition. , 2017, , .		26
18	Going to Extremes: Weakly Supervised Medical Image Segmentation. Machine Learning and Knowledge Extraction, 2021, 3, 507-524.	3.2	21

#	ARTICLE	IF	CITATIONS
19	Federated Whole Prostate Segmentation in MRI with Personalized Neural Architectures. Lecture Notes in Computer Science, 2021, , 357-366.	1.0	17
20	Archive Film Defect Detection and Removal: An Automatic Restoration Framework. IEEE Transactions on Image Processing, 2012, 21, 3757-3769.	6.0	14
21	Improving Pneumonia Localization via Cross-Attention on Medical Images and Reports. Lecture Notes in Computer Science, 2021, , 571-581.	1.0	10
22	Weakly Supervised Segmentation from Extreme Points. Lecture Notes in Computer Science, 2019, , 42-50.	1.0	9
23	Weakly Supervised One-Stage Vision and Language Disease Detection Using Large Scale Pneumonia and Pneumothorax Studies. Lecture Notes in Computer Science, 2020, , 45-55.	1.0	8
24	Archive Film Restoration Based on Spatiotemporal Random Walks. Lecture Notes in Computer Science, 2010, , 478-491.	1.0	8
25	Tunable CT Lung Nodule Synthesis Conditioned on Background Image and Semantic Features. Lecture Notes in Computer Science, 2019, , 62-70.	1.0	7
26	HMM based Archive Film Defect Detection with Spatial and Temporal Constraints. , 2009, , .		6
27	Interactive 3D Segmentation Editing and Refinement via Gated Graph Neural Networks. Lecture Notes in Computer Science, 2019, , 9-17.	1.0	3
28	Text mining and deep learning for disease classification. , 2020, , 109-135.		1
29	Automatic Classification and Reporting of Multiple Common Thorax Diseases Using Chest Radiographs. Advances in Computer Vision and Pattern Recognition, 2019, , 393-412.	0.9	1
30	Archive film defect detection based on a hidden Markov model. , 2009, , .		0