Yan Xu

List of Publications by Year
in descending order

31 papers	2,172 citations	394421 19 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	2909 citing authors

#	Article	IF	Citations
1	Large scale tissue histopathology image classification, segmentation, and visualization via deep convolutional activation features. BMC Bioinformatics, 2017, 18, 281.	2.6	306
2	Weakly supervised histopathology cancer image segmentation and classification. Medical Image Analysis, 2014, 18, 591-604.	11.6	217
3	Deep learning of feature representation with multiple instance learning for medical image analysis. , 2014, , .		196
4	Predicting breast tumor proliferation from whole-slide images: The TUPAC16 challenge. Medical Image Analysis, 2019, 54, 111-121.	11.6	182
5	Unsupervised 3D End-to-End Medical Image Registration With Volume Tweening Network. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1394-1404.	6.3	158
6	Constrained Deep Weak Supervision for Histopathology Image Segmentation. IEEE Transactions on Medical Imaging, 2017, 36, 2376-2388.	8.9	156
7	Gland Instance Segmentation Using Deep Multichannel Neural Networks. IEEE Transactions on Biomedical Engineering, 2017, 64, 2901-2912.	4.2	114
8	Deep convolutional activation features for large scale Brain Tumor histopathology image classification and segmentation. , 2015, , .		106
9	Deep learning in digital pathology image analysis: a survey. Frontiers of Medicine, 2020, 14, 470-487.	3.4	77
10	Unsupervised Learning for Cell-Level Visual Representation in Histopathology Images With Generative Adversarial Networks. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1316-1328.	6.3	75
11	ANHIR: Automatic Non-Rigid Histological Image Registration Challenge. IEEE Transactions on Medical Imaging, 2020, 39, 3042-3052.	8.9	75
12	Feature engineering combined with machine learning and rule-based methods for structured information extraction from narrative clinical discharge summaries. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 824-832.	4.4	71
13	An end-to-end system to identify temporal relation in discharge summaries: 2012 i2b2 challenge. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 849-858.	4.4	57
14	Joint segmentation and named entity recognition using dual decomposition in Chinese discharge summaries. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, e84-e92.	4.4	57
15	Sleep stage classification based on multi-level feature learning and recurrent neural networks via wearable device. Computers in Biology and Medicine, 2018, 103, 71-81.	7.0	57
16	MRI Cross-Modality Image-to-Image Translation. Scientific Reports, 2020, 10, 3753.	3.3	37
17	Wound area measurement with 3D transformation and smartphone images. BMC Bioinformatics, 2019, 20, 724.	2.6	35
18	Multi-label classification for colon cancer using histopathological images. Microscopy Research and Technique, 2013, 76, 1266-1277.	2.2	28

#	Article	IF	Citations
19	Learning multi-level features for sensor-based human action recognition. Pervasive and Mobile Computing, 2017, 40, 324-338.	3.3	26
20	Context-Constrained Multiple Instance Learning for Histopathology Image Segmentation. Lecture Notes in Computer Science, 2012, 15, 623-630.	1.3	24
21	Interrater agreement between American and Chinese sleep centers according to the 2014 AASM standard. Sleep and Breathing, 2019, 23, 719-728.	1.7	21
22	3D-SIFT-Flow for atlas-based CT liver image segmentation. Medical Physics, 2016, 43, 2229-2241.	3.0	20
23	Parallel multiple instance learning for extremely large histopathology image analysis. BMC Bioinformatics, 2017, 18, 360.	2.6	17
24	Multiple clustered instance learning for histopathology cancer image classification, segmentation and clustering. , 2012, , .		14
25	Colon Cancer Detection Using Whole Slide Histopathological Images. IFMBE Proceedings, 2013, , 1283-1286.	0.3	12
26	Anatomical Entity Recognition with a Hierarchical Framework Augmented by External Resources. PLoS ONE, 2014, 9, e108396.	2.5	10
27	Suicide Note Sentiment Classification: A Supervised Approach Augmented by Web Data. Biomedical Informatics Insights, 2012, 5s1, BII.S8956.	4.6	8
28	Bilingual term alignment from comparable corpora in English discharge summary and Chinese discharge summary. BMC Bioinformatics, 2015, 16, 149.	2.6	8
29	Whole brain segmentation with full volume neural network. Computerized Medical Imaging and Graphics, 2021, 93, 101991.	5.8	5
30	Mapping anatomical related entities to human body parts based on wikipedia in discharge summaries. BMC Bioinformatics, 2019, 20, 430.	2.6	2
31	A two-layer structure prediction framework for microscopy cell detection. Computerized Medical Imaging and Graphics, 2015, 41, 29-36.	5.8	1