Zhiyun Xue

List of Publications by Year in descending order

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41 papers	2,359 citations	516215 16 h-index	525886 27 g-index
43 all docs	43 docs citations	43 times ranked	1921 citing authors

#	Article	IF	Citations
1	The development of â€œautomated visual evaluationâ€•for cervical cancer screening: The promise and challenges in adapting deepâ€learning for clinical testing. International Journal of Cancer, 2022, 150, 741-752.	2.3	29
2	Analysis of digital noise reduction methods on classifiers used in automated visual evaluation. , 2022, 11950, .		2
3	Oral cavity anatomical site image classification and analysis. , 2022, 12037, .		3
4	Unsupervised Deep Learning Registration of Uterine Cervix Sequence Images. Cancers, 2022, 14, 2401.	1.7	0
5	Uncertainty Quantification in Segmenting Tuberculosis-Consistent Findings in Frontal Chest X-rays. Biomedicines, 2022, 10, 1323.	1.4	2
6	Selective synthetic augmentation with HistoGAN for improved histopathology image classification. Medical Image Analysis, 2021, 67, 101816.	7.0	61
7	Deep Metric Learning for Cervical Image Classification. IEEE Access, 2021, 9, 53266-53275.	2.6	25
8	Network Visualization and Pyramidal Feature Comparison for Ablative Treatability Classification Using Digitized Cervix Images. Journal of Clinical Medicine, 2021, 10, 953.	1.0	7
9	A Deep Clustering Method For Analyzing Uterine Cervix Images Across Imaging Devices. , 2021, 2021, 527-532.		4
10	Semi-Supervised Learning for Cervical Precancer Detection. , 2021, , .		6
11	Deep multiple-instance learning for abnormal cell detection in cervical histopathology images. Computers in Biology and Medicine, 2021, 138, 104890.	3.9	18
12	Design and feasibility of a novel program of cervical screening in Nigeria: self-sampled HPV testing paired with visual triage. Infectious Agents and Cancer, 2020, 15, 60.	1.2	27
13	Ensemble Deep Learning for Cervix Image Selection toward Improving Reliability in Automated Cervical Precancer Screening. Diagnostics, 2020, 10, 451.	1.3	30
14	A demonstration of automated visual evaluation of cervical images taken with a smartphone camera. International Journal of Cancer, 2020, 147, 2416-2423.	2.3	46
15	Cross-Dataset Evaluation of Deep Learning Networks for Uterine Cervix Segmentation. Diagnostics, 2020, 10, 44.	1.3	16
16	DeepCIN: Attention-Based Cervical histology Image Classification with Sequential Feature Modeling for Pathologist-Level Accuracy. Journal of Pathology Informatics, 2020, 11, 40.	0.8	12
17	Deep Learning for Assessing Image Focus for Automated Cervical Cancer Screening. , 2019, , .		22
18	An Observational Study of Deep Learning and Automated Evaluation of Cervical Images for Cancer Screening. Journal of the National Cancer Institute, 2019, 111, 923-932.	3.0	249

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19	Comparing Deep Learning Models for Multi-cell Classification in Liquid- based Cervical Cytology Image. AMIA ... Annual Symposium proceedings, 2019, 2019, 820-827.	0.2	1
20	Feature Selection for Automatic Tuberculosis Screening in Frontal Chest Radiographs. Journal of Medical Systems, 2018, 42, 146.	2.2	116
21	Gender Detection from Spine X-Ray Images Using Deep Learning. , 2018, , .		6
22	Automatic multi-label annotation of abdominal CT images using CBIR. Proceedings of SPIE, 2017, , .	0.8	1
23	Multi-feature based benchmark for cervical dysplasia classification evaluation. Pattern Recognition, 2017, 63, 468-475.	5.1	81
24	Novel Method for Storyboarding Biomedical Videos for Medical Informatics. , 2017, , .		0
25	Modality Classification for Searching Figures in Biomedical Literature. , 2016, , .		0
26	Combination of texture and shape features to detect pulmonary abnormalities in digital chest X-rays. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 99-106.	1.7	98
27	Chest X-ray Image View Classification. , 2015, , .		32
28	Literature-based biomedical image classification and retrieval. Computerized Medical Imaging and Graphics, 2015, 39, 3-13.	3.5	13
29	A New Image Data Set and Benchmark for Cervical Dysplasia Classification Evaluation. Lecture Notes in Computer Science, 2015, , 26-35.	1.0	15
30	Body Segment Classification for Visible Human Cross Section Slices. , 2014, , .		2
31	Automatic Tuberculosis Screening Using Chest Radiographs. IEEE Transactions on Medical Imaging, 2014, 33, 233-245.	5.4	403
32	Lung Segmentation in Chest Radiographs Using Anatomical Atlases With Nonrigid Registration. IEEE Transactions on Medical Imaging, 2014, 33, 577-590.	5.4	418
33	Image retrieval from scientific publications: Text and image content processing to separate multipanel figures. Journal of the Association for Information Science and Technology, 2013, 64, 893-908.	2.6	37
34	Objective Assessment of Multiresolution Image Fusion Algorithms for Context Enhancement in Night Vision: A Comparative Study. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 94-109.	9.7	546
35	Window classification of brain CT images in biomedical articles. AMIA ... Annual Symposium proceedings, 2012, 2012, 1023-9.	0.2	4
36	Spine X-ray image retrieval using partial vertebral boundaries. , 2011, , .		8

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37	A unified set of analysis tools for uterine cervix image segmentation. Computerized Medical Imaging and Graphics, 2010, 34, 593-604.	3.5	5
38	A system for searching uterine cervix images by visual attributes. , 2009, , .		5
39	Web-Based Multi-Observer Segmentation Evaluation Tool. , 2008, , .		0
40	Cervicographic image retrieval by spatial similarity of lesions. , 2008, , .		2
41	Investigating CBIR techniques for cervicographic images. AMIA ... Annual Symposium proceedings, 2007, , 826-30.	0.2	5