Zhiyun Xue

List of Publications by Year
in descending order

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	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
2	Lung Segmentation in Chest Radiographs Using Anatomical Atlases With Nonrigid Registration. IEEE Transactions on Medical Imaging, 2014, 33, 577-590.	5.4	418
3	Automatic Tuberculosis Screening Using Chest Radiographs. IEEE Transactions on Medical Imaging, 2014, 33, 233-245.	5.4	403
4	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
5	Feature Selection for Automatic Tuberculosis Screening in Frontal Chest Radiographs. Journal of Medical Systems, 2018, 42, 146.	2.2	116
6	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
7	Multi-feature based benchmark for cervical dysplasia classification evaluation. Pattern Recognition, 2017, 63, 468-475.	5.1	81
8	Selective synthetic augmentation with HistoGAN for improved histopathology image classification. Medical Image Analysis, 2021, 67, 101816.	7.0	61
9	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
10	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
11	Chest X-ray Image View Classification. , 2015, , .		32
12	Ensemble Deep Learning for Cervix Image Selection toward Improving Reliability in Automated Cervical Precancer Screening. Diagnostics, 2020, 10, 451.	1.3	30
13	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
14	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
15	Deep Metric Learning for Cervical Image Classification. IEEE Access, 2021, 9, 53266-53275.	2.6	25
16	Deep Learning for Assessing Image Focus for Automated Cervical Cancer Screening. , 2019, , .		22
17	Deep multiple-instance learning for abnormal cell detection in cervical histopathology images. Computers in Biology and Medicine, 2021, 138, 104890.	3.9	18
18	Cross-Dataset Evaluation of Deep Learning Networks for Uterine Cervix Segmentation. Diagnostics, 2020, 10, 44.	1.3	16

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19	A New Image Data Set and Benchmark for Cervical Dysplasia Classification Evaluation. Lecture Notes in Computer Science, 2015, , 26-35.	1.0	15
20	Literature-based biomedical image classification and retrieval. Computerized Medical Imaging and Graphics, 2015, 39, 3-13.	3.5	13
21	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
22	Spine X-ray image retrieval using partial vertebral boundaries. , 2011, , .		8
23	Network Visualization and Pyramidal Feature Comparison for Ablative Treatability Classification Using Digitized Cervix Images. Journal of Clinical Medicine, 2021, 10, 953.	1.0	7
24	Gender Detection from Spine X-Ray Images Using Deep Learning. , 2018, , .		6
25	Semi-Supervised Learning for Cervical Precancer Detection. , 2021, , .		6
26	A system for searching uterine cervix images by visual attributes. , 2009, , .		5
27	A unified set of analysis tools for uterine cervix image segmentation. Computerized Medical Imaging and Graphics, 2010, 34, 593-604.	3.5	5
28	Investigating CBIR techniques for cervicographic images. AMIA ... Annual Symposium proceedings, 2007, , 826-30.	0.2	5
29	A Deep Clustering Method For Analyzing Uterine Cervix Images Across Imaging Devices. , 2021, 2021, 527-532.		4
30	Window classification of brain CT images in biomedical articles. AMIA ... Annual Symposium proceedings, 2012, 2012, 1023-9.	0.2	4
31	Oral cavity anatomical site image classification and analysis. , 2022, 12037, .		3
32	Cervicographic image retrieval by spatial similarity of lesions. , 2008, , .		2
33	Body Segment Classification for Visible Human Cross Section Slices. , 2014, , .		2
34	Analysis of digital noise reduction methods on classifiers used in automated visual evaluation. , 2022, 11950, .		2
35	Uncertainty Quantification in Segmenting Tuberculosis-Consistent Findings in Frontal Chest X-rays. Biomedicines, 2022, 10, 1323.	1.4	2
36	Automatic multi-label annotation of abdominal CT images using CBIR. Proceedings of SPIE, 2017, , .	0.8	1

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37	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
38	Web-Based Multi-Observer Segmentation Evaluation Tool. , 2008, , .		0
39	Modality Classification for Searching Figures in Biomedical Literature. , 2016, , .		0
40	Novel Method for Storyboarding Biomedical Videos for Medical Informatics. , 2017, , .		0
41	Unsupervised Deep Learning Registration of Uterine Cervix Sequence Images. Cancers, 2022, 14, 2401.	1.7	0