

Yifan Peng

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

3,012
citations

19
h-index

54
g-index

68
ext. papers

4,359
ext. citations

5.6
avg, IF

5.56
L-index

#	Paper	IF	Citations
57	ChestX-Ray8: Hospital-Scale Chest X-Ray Database and Benchmarks on Weakly-Supervised Classification and Localization of Common Thorax Diseases 2017 ,		1020
56	Opportunities and obstacles for deep learning in biology and medicine. <i>Journal of the Royal Society Interface</i> , 2018 , 15,	4.1	780
55	DeepSeeNet: A Deep Learning Model for Automated Classification of Patient-based Age-related Macular Degeneration Severity from Color Fundus Photographs. <i>Ophthalmology</i> , 2019 , 126, 565-575	7.3	126
54	TieNet: Text-Image Embedding Network for Common Thorax Disease Classification and Reporting in Chest X-Rays 2018 ,		123
53	Transfer Learning in Biomedical Natural Language Processing: An Evaluation of BERT and ELMo on Ten Benchmarking Datasets 2019 ,		108
52	BioC: a minimalist approach to interoperability for biomedical text processing. <i>Database: the Journal of Biological Databases and Curation</i> , 2013 , 2013, bat064	5	100
51	Assessing the state of the art in biomedical relation extraction: overview of the BioCreative V chemical-disease relation (CDR) task. <i>Database: the Journal of Biological Databases and Curation</i> , 2016 , 2016,	5	85
50	Automated abnormality classification of chest radiographs using deep convolutional neural networks. <i>Npj Digital Medicine</i> , 2020 , 3, 70	15.7	55
49	LitVar: a semantic search engine for linking genomic variant data in PubMed and PMC. <i>Nucleic Acids Research</i> , 2018 , 46, W530-W536	20.1	48
48	Opportunities and obstacles for deep learning in biology and medicine		45
47	Extracting chemical-protein relations with ensembles of SVM and deep learning models. <i>Database: the Journal of Biological Databases and Curation</i> , 2018 , 2018,	5	44
46	Deep learning for extracting protein-protein interactions from biomedical literature 2017 ,		41
45	Improving chemical disease relation extraction with rich features and weakly labeled data. <i>Journal of Cheminformatics</i> , 2016 , 8, 53	8.6	41
44	miRTex: A Text Mining System for miRNA-Gene Relation Extraction. <i>PLoS Computational Biology</i> , 2015 , 11, e1004391	5	37
43	BioSentVec: creating sentence embeddings for biomedical texts 2019 ,		32
42	MULAN: Multitask Universal Lesion Analysis Network for Joint Lesion Detection, Tagging, and Segmentation. <i>Lecture Notes in Computer Science</i> , 2019 , 194-202	0.9	31
41	A Deep Learning Approach for Automated Detection of Geographic Atrophy from Color Fundus Photographs. <i>Ophthalmology</i> , 2019 , 126, 1533-1540	7.3	28

40	ML-Net: multi-label classification of biomedical texts with deep neural networks. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2019 , 26, 1279-1285	8.6	27
39	BioCreative V BioC track overview: collaborative biocurator assistant task for BioGRID. <i>Database: the Journal of Biological Databases and Curation</i> , 2016 , 2016,	5	23
38	ChestX-ray: Hospital-Scale Chest X-ray Database and Benchmarks on Weakly Supervised Classification and Localization of Common Thorax Diseases. <i>Advances in Computer Vision and Pattern Recognition</i> , 2019 , 369-392	1.1	17
37	2019 ,		17
36	COVID-19-CT-CXR: A Freely Accessible and Weakly Labeled Chest X-Ray and CT Image Collection on COVID-19 From Biomedical Literature. <i>IEEE Transactions on Big Data</i> , 2021 , 7, 3-12	3.2	16
35	An Empirical Study of Multi-Task Learning on BERT for Biomedical Text Mining 2020 ,		15
34	NegBio: a high-performance tool for negation and uncertainty detection in radiology reports. <i>AMIA Summits on Translational Science Proceedings</i> , 2018 , 2017, 188-196	1.1	14
33	BioC interoperability track overview. <i>Database: the Journal of Biological Databases and Curation</i> , 2014 , 2014,	5	13
32	iSimp: A sentence simplification system for biomedical text 2012 ,		12
31	An extended dependency graph for relation extraction in biomedical texts 2015 ,		12
30	Predicting risk of late age-related macular degeneration using deep learning. <i>Npj Digital Medicine</i> , 2020 , 3, 111	15.7	12
29	A generalizable NLP framework for fast development of pattern-based biomedical relation extraction systems. <i>BMC Bioinformatics</i> , 2014 , 15, 285	3.6	11
28	Deep Learning Automated Detection of Reticular Pseudodrusen from Fundus Autofluorescence Images or Color Fundus Photographs in AREDS2. <i>Ophthalmology</i> , 2020 , 127, 1674-1687	7.3	9
27	A self-attention based deep learning method for lesion attribute detection from CT reports 2019 ,		9
26	Generalized Zero-Shot Chest X-Ray Diagnosis Through Trait-Guided Multi-View Semantic Embedding With Self-Training. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 2642-2655	11.7	9
25	iSimp in BioC standard format: enhancing the interoperability of a sentence simplification system. <i>Database: the Journal of Biological Databases and Curation</i> , 2014 , 2014,	5	7
24	NLM-Chem, a new resource for chemical entity recognition in PubMed full text literature. <i>Scientific Data</i> , 2021 , 8, 91	8.2	7
23	BioCreative VI Precision Medicine Track: creating a training corpus for mining protein-protein interactions affected by mutations 2017 ,		6

22	A multi-task deep learning model for the classification of Age-related Macular Degeneration. <i>AMIA Summits on Translational Science Proceedings</i> , 2019 , 2019, 505-514	1.1	5
21	BioC-compatible full-text passage detection for protein-protein interactions using extended dependency graph. <i>Database: the Journal of Biological Databases and Curation</i> , 2016 , 2016,	5	5
20	Multimodal, multitask, multiattention (M3) deep learning detection of reticular pseudodrusen: Toward automated and accessible classification of age-related macular degeneration. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 1135-1148	8.6	4
19	Global-Local attention network with multi-task uncertainty loss for abnormal lymph node detection in MR images.. <i>Medical Image Analysis</i> , 2022 , 77, 102345	15.4	2
18	Automatic recognition of abdominal lymph nodes from clinical text 2020 ,		2
17	A reference-free approach for cell type classification with scRNA-seq. <i>IScience</i> , 2021 , 24, 102855	6.1	2
16	Benchmarking Effectiveness and Efficiency of Deep Learning Models for Semantic Textual Similarity in the Clinical Domain: Validation Study.. <i>JMIR Medical Informatics</i> , 2021 , 9, e27386	3.6	2
15	Automatic Classification and Reporting of Multiple Common Thorax Diseases Using Chest Radiographs. <i>Advances in Computer Vision and Pattern Recognition</i> , 2019 , 393-412	1.1	1
14	COMe-SEE: Cross-modality Semantic Embedding Ensemble for Generalized Zero-Shot Diagnosis of Chest Radiographs. <i>Lecture Notes in Computer Science</i> , 2020 , 103-111	0.9	1
13	PNEUMONIA DETECTION ON CHEST X-RAY USING RADIOMIC FEATURES AND CONTRASTIVE LEARNING. 2021 , 2021, 247-251		1
12	Improving Joint Learning of Chest X-Ray and Radiology Report by Word Region Alignment. <i>Lecture Notes in Computer Science</i> , 2021 , 110-119	0.9	1
11	An empirical study of using radiology reports and images to improve ICU-mortality prediction. 2021 , 2021, 497-498		0
10	Leveraging Deep Representations of Radiology Reports in Survival Analysis for Predicting Heart Failure Patient Mortality. 2021 , 2021, 4533-4538		0
9	When text simplification is not enough: could a graph-based visualization facilitate consumersU comprehension of dietary supplement information?. <i>JAMIA Open</i> , 2021 , 4, ooab026	2.9	0
8	SCALP - Supervised Contrastive Learning for Cardiopulmonary Disease Classification and Localization in Chest X-rays using Patient Metadata. 2021 , 2021, 1132-1137		0
7	Classifying Cyber-Risky Clinical Notes by Employing Natural Language Processing. 2022 , 2022, 4140-4146		
6	Artificial Intelligence in Age-Related Macular Degeneration (AMD) 2021 , 101-112		
5	Text mining and deep learning for disease classification 2020 , 109-135		

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| 4 | Detection of Lymph Nodes in T2 MRI Using Neural Network Ensembles. <i>Lecture Notes in Computer Science</i> , 2021 , 682-691 | 0.9 |
| 3 | Using Radiomics as Prior Knowledge for Thorax Disease Classification and Localization in Chest X-rays. 2021 , 2021, 546-555 | 0.7 |
| 2 | Multi-task deep learning-based survival analysis on the prognosis of late AMD using the longitudinal data in AREDS. 2021 , 2021, 506-515 | 0.7 |
| 1 | RadBERT-CL: Factually-Aware Contrastive Learning For Radiology Report Classification.. <i>Proceedings of Machine Learning Research</i> , 2021 , 158, 196-208 | 0.4 |