Yifan Peng

List of Publications by Year
in descending order

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64	5,799	430874	330143
papers	citations	18 h-index	37 g-index

68	68	68	6664
all docs	docs citations	times ranked	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	Opportunities and obstacles for deep learning in biology and medicine. Journal of the Royal Society Interface, 2018, 15, 20170387.	3.4	1,282
3	Transfer Learning in Biomedical Natural Language Processing: An Evaluation of BERT and ELMo on Ten Benchmarking Datasets. , 2019, , .		360
4	TieNet: Text-Image Embedding Network for Common Thorax Disease Classification and Reporting in Chest X-Rays. , 2018, , .		261
5	DeepSeeNet: A Deep Learning Model for Automated Classification of Patient-based Age-related Macular Degeneration Severity from Color Fundus Photographs. Ophthalmology, 2019, 126, 565-575.	5.2	220
6	Automated abnormality classification of chest radiographs using deep convolutional neural networks. Npj Digital Medicine, 2020, 3, 70.	10.9	133
7	BioC: a minimalist approach to interoperability for biomedical text processing. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat064-bat064.	3.0	123
8	Assessing the state of the art in biomedical relation extraction: overview of the BioCreative V chemical-disease relation (CDR) task. Database: the Journal of Biological Databases and Curation, 2016, 2016, .	3.0	123
9	LitVar: a semantic search engine for linking genomic variant data in PubMed and PMC. Nucleic Acids Research, 2018, 46, W530-W536.	14.5	96
10	BioSentVec: creating sentence embeddings for biomedical texts. , 2019, , .		91
11	Extracting chemicalâ€“protein relations with ensembles of SVM and deep learning models. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	85
12	ML-Net: multi-label classification of biomedical texts with deep neural networks. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 1279-1285.	4.4	83
13	Improving chemical disease relation extraction with rich features and weakly labeled data. Journal of Cheminformatics, 2016, 8, 53.	6.1	62
14	Deep learning for extracting protein-protein interactions from biomedical literature. , 2017, , .		61
15	A Deep Learning Approach for Automated Detection of Geographic Atrophy from Color Fundus Photographs. Ophthalmology, 2019, 126, 1533-1540.	5.2	55
16	COVID-19-CT-CXR: A Freely Accessible and Weakly Labeled Chest X-Ray and CT Image Collection on COVID-19 From Biomedical Literature. IEEE Transactions on Big Data, 2021, 7, 3-12.	6.1	55
17	miRTex: A Text Mining System for miRNA-Gene Relation Extraction. PLoS Computational Biology, 2015, 11, e1004391.	3.2	50
18	MULAN: Multitask Universal Lesion Analysis Network for Joint Lesion Detection, Tagging, and Segmentation. Lecture Notes in Computer Science, 2019, , 194-202.	1.3	49

#	Article	IF	Citations
19	An Empirical Study of Multi-Task Learning on BERT for Biomedical Text Mining. , 2020, , .		49
20	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.	1.3	45
21	Holistic and Comprehensive Annotation of Clinically Significant Findings on Diverse CT Images: Learning From Radiology Reports and Label Ontology. , 2019, , .		33
22	Predicting risk of late age-related macular degeneration using deep learning. Npj Digital Medicine, 2020, 3, 111.	10.9	33
23	BioCreative V BioC track overview: collaborative biocurator assistant task for BioGRID. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw121.	3.0	28
24	NLM-Chem, a new resource for chemical entity recognition in PubMed full text literature. Scientific Data, 2021, 8, 91.	5.3	26
25	iSimp: A sentence simplification system for biomedicail text. , 2012, , .		21
26	Pneumonia Detection On Chest X-Ray Using Radiomic Features And Contrastive Learning. , 2021, 2021, 247-251.		21
27	A generalizable NLP framework for fast development of pattern-based biomedical relation extraction systems. BMC Bioinformatics, 2014, 15, 285.	2.6	20
28	Generalized Zero-Shot Chest X-Ray Diagnosis Through Trait-Guided Multi-View Semantic Embedding With Self-Training. IEEE Transactions on Medical Imaging, 2021, 40, 2642-2655.	8.9	19
29	Deep Learning Automated Detection of Reticular Pseudodrusen from Fundus Autofluorescence Images or Color Fundus Photographs in AREDS2. Ophthalmology, 2020, 127, 1674-1687.	5.2	19
30	NegBio: a high-performance tool for negation and uncertainty detection in radiology reports. AMIA Summits on Translational Science Proceedings, 2018, 2017, 188-196.	0.4	18
31	An extended dependency graph for relation extraction in biomedical texts. , 2015, , .		16
32	BioC interoperability track overview. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau053-bau053.	3.0	15
33	A self-attention based deep learning method for lesion attribute detection from CT reports. , 2019, , .		14
34	Global-Local attention network with multi-task uncertainty loss for abnormal lymph node detection in MR images. Medical Image Analysis, 2022, 77, 102345.	11.6	13
35	Multimodal, multitask, multiattention (M3) deep learning detection of reticular pseudodrusen: Toward automated and accessible classification of age-related macular degeneration. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1135-1148.	4.4	11
36	Improving BERT Model Using Contrastive Learning for Biomedical Relation Extraction. , 2021, , .		11

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37	iSimp in BioC standard format: enhancing the interoperability of a sentence simplification system. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau038-bau038.	3.0	9
38	A multi-task deep learning model for the classification of Age-related Macular Degeneration. AMIA Summits on Translational Science Proceedings, 2019, 2019, 505-514.	0.4	8
39	BioC-compatible full-text passage detection for proteinâ€“protein interactions using extended dependency graph. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw072.	3.0	6
40	A reference-free approach for cell type classification with scRNA-seq. IScience, 2021, 24, 102855.	4.1	6
41	BioCreative VI Precision Medicine Track: creating a training corpus for mining protein-protein interactions affected by mutations. , 2017, , .		6
42	Knowledge-Augmented Contrastive Learning for Abnormality Classification and Localization in Chest X-rays with Radiomics using a Feedback Loop. , 2022, , .		6
43	Improving Joint Learning of Chest X-Ray and Radiology Report by Word Region Alignment. Lecture Notes in Computer Science, 2021, , 110-119.	1.3	5
44	Automatic recognition of abdominal lymph nodes from clinical text. , 2020, , .		5
45	SCALP - Supervised Contrastive Learning for Cardiopulmonary Disease Classification and Localization in Chest X-rays using Patient Metadata. , 2021, 2021, 1132-1137.		5
46	Benchmarking Effectiveness and Efficiency of Deep Learning Models for Semantic Textual Similarity in the Clinical Domain: Validation Study. JMIR Medical Informatics, 2021, 9, e27386.	2.6	5
47	When text simplification is not enough: could a graph-based visualization facilitate consumersâ€™ comprehension of dietary supplement information?. JAMIA Open, 2021, 4, ooab026.	2.0	4
48	Knowledge Graph Applications in Medical Imaging Analysis: A Scoping Review. Health Data Science, 2022, 2022, .	2.3	4
49	Design and validation of a FHIR-based EHR-driven phenotyping toolbox. Journal of the American Medical Informatics Association: JAMIA, 0, , .	4.4	4
50	Learning Few-Shot Chest X-Ray Diagnosis Using Images From The Published Scientific Literature. , 2021, , .		3
51	Artificial Intelligence in Age-Related Macular Degeneration (AMD). , 2021, , 101-112.		3
52	An empirical study of using radiology reports and images to improve ICU-mortality prediction. , 2021, 2021, 497-498.		3
53	Trustworthy assertion classification through prompting. Journal of Biomedical Informatics, 2022, 132, 104139.	4.3	3
54	Leveraging Deep Representations of Radiology Reports in Survival Analysis for Predicting Heart Failure Patient Mortality. , 2021, 2021, 4533-4538.		2

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55	Detection of Lymph Nodes in T2 MRI Using Neural Network Ensembles. Lecture Notes in Computer Science, 2021, , 682-691.	1.3	2
56	Text mining and deep learning for disease classification. , 2020, , 109-135.		1
57	Automatic Classification and Reporting of Multiple Common Thorax Diseases Using Chest Radiographs. Advances in Computer Vision and Pattern Recognition, 2019, , 393-412.	1.3	1
58	COMe-SEE: Cross-modality Semantic Embedding Ensemble for Generalized Zero-Shot Diagnosis of Chest Radiographs. Lecture Notes in Computer Science, 2020, , 103-111.	1.3	1
59	Using Radiomics as Prior Knowledge for Thorax Disease Classification and Localization in Chest X-rays.. AMIA ... Annual Symposium proceedings, 2021, 2021, 546-555.	0.2	1
60	The Schema and Implementation of a Model Machine Based on DFA Theorem. , 2009, , .		0
61	Fine-Grained Lesion Annotation in CT Images With Knowledge Mined From Radiology Reports. , 2019, , .		0
62	Classifying Cyber-Risky Clinical Notes by Employing Natural Language Processing. , 2022, 2022, 4140-4146.		0
63	Multi-task deep learning-based survival analysis on the prognosis of late AMD using the longitudinal data in AREDS.. AMIA ... Annual Symposium proceedings, 2021, 2021, 506-515.	0.2	0
64	RadBERT-CL: Factually-Aware Contrastive Learning For Radiology Report Classification.. Proceedings of Machine Learning Research, 2021, 158, 196-208.	0.3	0