

Yifan Peng

List of Publications by Year in Descending Order

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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 | Classifying Cyber-Risky Clinical Notes by Employing Natural Language Processing. 2022 , 2022, 4140-4146 | | |
| 56 | 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 |
| 55 | Artificial Intelligence in Age-Related Macular Degeneration (AMD) 2021 , 101-112 | | |
| 54 | An empirical study of using radiology reports and images to improve ICU-mortality prediction. 2021 , 2021, 497-498 | | 0 |
| 53 | NLM-Chem, a new resource for chemical entity recognition in PubMed full text literature. <i>Scientific Data</i> , 2021 , 8, 91 | 8.2 | 7 |
| 52 | PNEUMONIA DETECTION ON CHEST X-RAY USING RADIOMIC FEATURES AND CONTRASTIVE LEARNING. 2021 , 2021, 247-251 | | 1 |
| 51 | 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 |
| 50 | 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 |
| 49 | Leveraging Deep Representations of Radiology Reports in Survival Analysis for Predicting Heart Failure Patient Mortality. 2021 , 2021, 4533-4538 | | 0 |
| 48 | 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 |
| 47 | A reference-free approach for cell type classification with scRNA-seq. <i>IScience</i> , 2021 , 24, 102855 | 6.1 | 2 |
| 46 | 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 |
| 45 | Detection of Lymph Nodes in T2 MRI Using Neural Network Ensembles. <i>Lecture Notes in Computer Science</i> , 2021 , 682-691 | 0.9 | |
| 44 | 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 |
| 43 | SCALP - Supervised Contrastive Learning for Cardiopulmonary Disease Classification and Localization in Chest X-rays using Patient Metadata. 2021 , 2021, 1132-1137 | | 0 |
| 42 | 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 |
| 41 | Using Radiomics as Prior Knowledge for Thorax Disease Classification and Localization in Chest X-rays. 2021 , 2021, 546-555 | 0.7 | |

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|----|---|------|-----|
| 40 | 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 | |
| 39 | RadBERT-CL: Factually-Aware Contrastive Learning For Radiology Report Classification.. <i>Proceedings of Machine Learning Research</i> , 2021 , 158, 196-208 | 0.4 | |
| 38 | An Empirical Study of Multi-Task Learning on BERT for Biomedical Text Mining 2020 , | | 15 |
| 37 | Automatic recognition of abdominal lymph nodes from clinical text 2020 , | | 2 |
| 36 | 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 |
| 35 | 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 |
| 34 | Automated abnormality classification of chest radiographs using deep convolutional neural networks. <i>Npj Digital Medicine</i> , 2020 , 3, 70 | 15.7 | 55 |
| 33 | Text mining and deep learning for disease classification 2020 , 109-135 | | |
| 32 | Predicting risk of late age-related macular degeneration using deep learning. <i>Npj Digital Medicine</i> , 2020 , 3, 111 | 15.7 | 12 |
| 31 | 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 |
| 30 | A Deep Learning Approach for Automated Detection of Geographic Atrophy from Color Fundus Photographs. <i>Ophthalmology</i> , 2019 , 126, 1533-1540 | 7.3 | 28 |
| 29 | 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 |
| 28 | Transfer Learning in Biomedical Natural Language Processing: An Evaluation of BERT and ELMo on Ten Benchmarking Datasets 2019 , | | 108 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 2019 , | | 17 |
| 23 | BioSentVec: creating sentence embeddings for biomedical texts 2019 , | | 32 |

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|----|---|------|------|
| 22 | A self-attention based deep learning method for lesion attribute detection from CT reports 2019 , | | 9 |
| 21 | 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 |
| 20 | Opportunities and obstacles for deep learning in biology and medicine. <i>Journal of the Royal Society Interface</i> , 2018 , 15, | 4.1 | 780 |
| 19 | 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 |
| 18 | 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 |
| 17 | TieNet: Text-Image Embedding Network for Common Thorax Disease Classification and Reporting in Chest X-Rays 2018 , | | 123 |
| 16 | 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 |
| 15 | ChestX-Ray8: Hospital-Scale Chest X-Ray Database and Benchmarks on Weakly-Supervised Classification and Localization of Common Thorax Diseases 2017 , | | 1020 |
| 14 | Deep learning for extracting protein-protein interactions from biomedical literature 2017 , | | 41 |
| 13 | BioCreative VI Precision Medicine Track: creating a training corpus for mining protein-protein interactions affected by mutations 2017 , | | 6 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | Improving chemical disease relation extraction with rich features and weakly labeled data. <i>Journal of Cheminformatics</i> , 2016 , 8, 53 | 8.6 | 41 |
| 8 | miRTex: A Text Mining System for miRNA-Gene Relation Extraction. <i>PLoS Computational Biology</i> , 2015 , 11, e1004391 | 5 | 37 |
| 7 | An extended dependency graph for relation extraction in biomedical texts 2015 , | | 12 |
| 6 | 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 |
| 5 | BioC interoperability track overview. <i>Database: the Journal of Biological Databases and Curation</i> , 2014 , 2014, | 5 | 13 |

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| 4 | A generalizable NLP framework for fast development of pattern-based biomedical relation extraction systems. <i>BMC Bioinformatics</i> , 2014 , 15, 285 | 3.6 | 11 |
| 3 | 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 |
| 2 | iSimp: A sentence simplification system for biomedical text 2012 , | | 12 |
| 1 | Opportunities and obstacles for deep learning in biology and medicine | | 45 |