Qingyu Chen

List of Publications by Year
in descending order

39 papers	1,694 citations	471509 17 h-index	434195 31 g-index
44 all docs	44 docs citations	44 times ranked	1919 citing authors

#	Article	IF	Citations
1	BioWordVec,Âimproving biomedical word embeddings with subword information and MeSH. Scientific Data, 2019, 6, 52.	5.3	268
2	Keep up with the latest coronavirus research. Nature, 2020, 579, 193-193.	27.8	230
3	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
4	LitCovid: an open database of COVID-19 literature. Nucleic Acids Research, 2021, 49, D1534-D1540.	14.5	189
5	BioSentVec: creating sentence embeddings for biomedical texts. , 2019, , .		91
6	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
7	A Deep Learning Approach for Automated Detection of Geographic Atrophy from Color Fundus Photographs. Ophthalmology, 2019, 126, 1533-1540.	5.2	55
8	An Empirical Study of Multi-Task Learning on BERT for Biomedical Text Mining. , 2020, , .		49
9	BioConceptVec: Creating and evaluating literature-based biomedical concept embeddings on a large scale. PLoS Computational Biology, 2020, 16, e1007617.	3.2	43
10	Artificial Intelligence in Action: Addressing the COVID-19 Pandemic with Natural Language Processing. Annual Review of Biomedical Data Science, 2021, 4, 313-339.	6.5	38
11	LitSense: making sense of biomedical literature at sentence level. Nucleic Acids Research, 2019, 47, W594-W599.	14.5	37
12	Duplicates, redundancies and inconsistencies in the primary nucleotide databases: a descriptive study. Database: the Journal of Biological Databases and Curation, 2017, 2017, baw163.	3.0	36
13	Predicting risk of late age-related macular degeneration using deep learning. Npj Digital Medicine, 2020, 3, 111.	10.9	33
14	Overview of the BioCreative VI Precision Medicine Track: mining protein interactions and mutations for precision medicine. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	30
15	Predicting myocardial infarction through retinal scans and minimal personal information. Nature Machine Intelligence, 2022, 4, 55-61.	16.0	30
16	LitSuggest: a web-based system for literature recommendation and curation using machine learning. Nucleic Acids Research, 2021, 49, W352-W358.	14.5	28
17	DeepLensNet: Deep Learning Automated Diagnosis and Quantitative Classification of Cataract Type and Severity. Ophthalmology, 2022, 129, 571-584.	5.2	23
18	Privacy concerns of the Australian My Health Record: Implications for other large-scale opt-out personal health records. Information Processing and Management, 2020, 57, 102364.	8.6	21

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19	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
20	Evaluation of a Machine Learning Duplicate Detection Method for Bioinformatics Databases. , 2015, , .		17
21	Deep learning with sentence embeddings pre-trained on biomedical corpora improves the performance of finding similar sentences in electronic medical records. BMC Medical Informatics and Decision Making, 2020, 20, 73.	3.0	15
22	Quality Matters: Biocuration Experts on the Impact of Duplication and Other Data Quality Issues in Biological Databases. Genomics, Proteomics and Bioinformatics, 2020, 18, 91-103.	6.9	14
23	Citation cascade and the evolution of topic relevance. Journal of the Association for Information Science and Technology, 2021, 72, 110-127.	2.9	14
24	Detecting visually significant cataract using retinal photograph-based deep learning. Nature Aging, 2022, 2, 264-271.	11.6	14
25	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
26	Evaluation of CD-HIT for constructing non-redundant databases. , 2016, , .		10
27	Benchmarks for measurement of duplicate detection methods in nucleotide databases. Database: the Journal of Biological Databases and Curation, 2023, 2023, .	3.0	10
28	Supervised Learning for Detection of Duplicates in Genomic Sequence Databases. PLoS ONE, 2016, 11, e0159644.	2.5	10
29	Improving Interpretability in Machine Diagnosis. Ophthalmology Science, 2021, 1, 100038.	2.5	8
30	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
31	Comparative Analysis of Sequence Clustering Methods for Deduplication of Biological Databases. Journal of Data and Information Quality, 2018, 9, 1-27.	2.1	6
32	Better synonyms for enriching biomedical search. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1894-1902.	4.4	6
33	Sentence Similarity Measures Revisited. , 2018, , .		5
34	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
35	BioCreative VI Precision Medicine Track system performance is constrained by entity recognition and variations in corpus characteristics. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	4
36	Artificial Intelligence in Age-Related Macular Degeneration (AMD). , 2021, , 101-112.		3

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37	Evaluation of Five Sentence Similarity Models on Electronic Medical Records. , 2019, , .		1
38	Search Effectiveness in Nonredundant Sequence Databases: Assessments and Solutions. Journal of Computational Biology, 2019, 26, 605-617.	1.6	1
39	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