

Zhehuan Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,296
citations

430874

18
h-index

377865

34
g-index

58
all docs

58
docs citations

58
times ranked

1233
citing authors

#	ARTICLE	IF	CITATIONS
1	Drug drug interaction extraction from biomedical literature using syntax convolutional neural network. <i>Bioinformatics</i> , 2016, 32, 3444-3453.	4.1	175
2	Drug-drug interaction extraction via hierarchical RNNs on sequence and shortest dependency paths. <i>Bioinformatics</i> , 2018, 34, 828-835.	4.1	120
3	Deep Transfer Learning for Modality Classification of Medical Images. <i>Information (Switzerland)</i> , 2017, 8, 91.	2.9	111
4	A hybrid model based on neural networks for biomedical relation extraction. <i>Journal of Biomedical Informatics</i> , 2018, 81, 83-92.	4.3	97
5	Visual and Textual Sentiment Analysis of a Microblog Using Deep Convolutional Neural Networks. <i>Algorithms</i> , 2016, 9, 41.	2.1	89
6	Neural network-based approaches for biomedical relation classification: A review. <i>Journal of Biomedical Informatics</i> , 2019, 99, 103294.	4.3	71
7	An attention-based effective neural model for drug-drug interactions extraction. <i>BMC Bioinformatics</i> , 2017, 18, 445.	2.6	69
8	Leveraging Biomedical Resources in Bi-LSTM for Drug-Drug Interaction Extraction. <i>IEEE Access</i> , 2018, 6, 33432-33439.	4.2	47
9	Exploring semi-supervised variational autoencoders for biomedical relation extraction. <i>Methods</i> , 2019, 166, 112-119.	3.8	45
10	A graph kernel based on context vectors for extracting drug-drug interactions. <i>Journal of Biomedical Informatics</i> , 2016, 61, 34-43.	4.3	38
11	Disease named entity recognition from biomedical literature using a novel convolutional neural network. <i>BMC Medical Genomics</i> , 2017, 10, 73.	1.5	36
12	An effective neural model extracting document level chemical-induced disease relations from biomedical literature. <i>Journal of Biomedical Informatics</i> , 2018, 83, 1-9.	4.3	30
13	A method for predicting protein complex in dynamic PPI networks. <i>BMC Bioinformatics</i> , 2016, 17, 229.	2.6	29
14	Neighborhood hash graph kernel for protein-protein interaction extraction. <i>Journal of Biomedical Informatics</i> , 2011, 44, 1086-1092.	4.3	26
15	Construction of dynamic probabilistic protein interaction networks for protein complex identification. <i>BMC Bioinformatics</i> , 2016, 17, 186.	2.6	26
16	A Single Kernel-Based Approach to Extract Drug-Drug Interactions from Biomedical Literature. <i>PLoS ONE</i> , 2012, 7, e48901.	2.5	22
17	Extracting drug-drug interactions with hybrid bidirectional gated recurrent unit and graph convolutional network. <i>Journal of Biomedical Informatics</i> , 2019, 99, 103295.	4.3	20
18	Biomedical event trigger detection by dependency-based word embedding. <i>BMC Medical Genomics</i> , 2016, 9, 45.	1.5	18

#	ARTICLE	IF	CITATIONS
19	Adverse drug reaction detection via a multihop self-attention mechanism. BMC Bioinformatics, 2019, 20, 479.	2.6	18
20	Hash Subgraph Pairwise Kernel for Protein-Protein Interaction Extraction. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 1190-1202.	3.0	17
21	Document-Level Biomedical Relation Extraction Using Graph Convolutional Network and Multihead Attention: Algorithm Development and Validation. JMIR Medical Informatics, 2020, 8, e17638.	2.6	15
22	Chemicalâ€“protein interaction extraction via contextualized word representations and multihead attention. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	14
23	Construction of Ontology Augmented Networks for Protein Complex Prediction. PLoS ONE, 2013, 8, e62077.	2.5	14
24	Filtering Gene Ontology semantic similarity for identifying protein complexes in large protein interaction networks. Proteome Science, 2012, 10, S18.	1.7	13
25	Biomedical event trigger extraction based on multi-layer residual BiLSTM and contextualized word representations. International Journal of Machine Learning and Cybernetics, 2022, 13, 721-733.	3.6	13
26	Biomolecular event trigger detection using neighborhood hash features. Journal of Theoretical Biology, 2013, 318, 22-28.	1.7	11
27	An uncertain model-based approach for identifying dynamic protein complexes in uncertain protein-protein interaction networks. BMC Genomics, 2017, 18, 743.	2.8	8
28	A multi-task learning based approach to biomedical entity relation extraction. , 2018, , .		8
29	JLAN: medical code prediction via joint learning attention networks and denoising mechanism. BMC Bioinformatics, 2021, 22, 590.	2.6	8
30	Medical code prediction via capsule networks and ICD knowledge. BMC Medical Informatics and Decision Making, 2021, 21, 55.	3.0	7
31	Biomedical event trigger detection by dependency-based word embedding. , 2015, , .		6
32	ML-CNN: A novel deep learning based disease named entity recognition architecture. , 2016, , .		6
33	Integrating embeddings of multiple gene networks to prioritize complex disease-associated genes. , 2017, , .		6
34	Assembling Deep Neural Networks for Medical Compound Figure Detection. Information (Switzerland), 2017, 8, 48.	2.9	6
35	Incorporating User Generated Content for Drug Drug Interaction Extraction Based on Full Attention Mechanism. IEEE Transactions on Nanobioscience, 2019, 18, 360-367.	3.3	6
36	Biomedical document triage using a hierarchical attention-based capsule network. BMC Bioinformatics, 2020, 21, 380.	2.6	6

#	ARTICLE	IF	CITATIONS
37	A Knowledge Graph based Bidirectional Recurrent Neural Network Method for Literature-based Discovery. , 2018, , .		5
38	Multifeature Fusion Attention Network for Suicide Risk Assessment Based on Social Media: Algorithm Development and Validation. JMIR Medical Informatics, 2021, 9, e28227.	2.6	5
39	A hybrid protein-protein interaction triple extraction method for biomedical literature. , 2017, , .		4
40	Hierarchical Recurrent Convolutional Neural Network for Chemical-protein Relation Extraction from Biomedical Literature. , 2018, , .		4
41	A Multichannel Biomedical Named Entity Recognition Model Based on Multitask Learning and Contextualized Word Representations. Wireless Communications and Mobile Computing, 2020, 2020, 1-13.	1.2	4
42	Incorporating representation learning and multihead attention to improve biomedical cross-sentence n-ary relation extraction. BMC Bioinformatics, 2020, 21, 312.	2.6	3
43	Hierarchical matching network for multi-turn response selection in retrieval-based chatbots. Soft Computing, 2021, 25, 9609-9624.	3.6	3
44	Extracting Protein-Protein Interactions Affected by Mutations via Auxiliary Task and Domain Pre-trained Model. , 2020, , .		3
45	Co-Attentive Span Network with Multi-task learning for Biomedical Named Entity Recognition. , 2021, , .		3
46	Identifying Protein Complexes from PPI Networks Using GO Semantic Similarity. , 2011, , .		2
47	Integrating multiple biomedical resources for protein complex prediction. , 2013, , .		2
48	Protein-Protein Interaction Article Classification: A Knowledge-enriched Self-Attention Convolutional Neural Network Approach. , 2018, , .		2
49	HMNPPIDâ€”human malignant neoplasm proteinâ€”protein interaction database. Human Genomics, 2019, 13, 44.	2.9	2
50	PPIExtractor: A protein-protein interaction Extractor for biomédical literature. , 2012, , .		1
51	Deep neural network based protein-protein interaction extraction from biomedical literature. , 2015, , .		1
52	Protein Complexes Detection Based on Global Network Representation Learning. , 2018, , .		1
53	PC-SENE: A node embedding based method for protein complex detection. , 2018, , .		0
54	A Weak Supervised Learning Method for Essential Protein Detection Based on STRING Database and Learning Representation. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
55	HMNPPID: A Database of Protein-protein Interactions Associated with Human Malignant Neoplasms. , 2018, , .		0
56	Letter to the Editor (Response from author): MeSH qualifiers, publication types and relation occurrence frequency are also useful for a better sentence-level extraction of biomedical relations. Journal of Biomedical Informatics, 2018, 83, 219.	4.3	0
57	Improving Human Happiness Analysis Based on Transfer Learning: Algorithm Development and Validation. JMIR Medical Informatics, 2021, 9, e28292.	2.6	0
58	A hierarchical knowledge-aware neural network for protein-protein interaction article classification. , 2020, , .		0