

# 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	Biomedical event trigger extraction based on multi-layer residual BiLSTM and contextualized word representations. <i>International Journal of Machine Learning and Cybernetics</i> , 2022, 13, 721-733.	3.6	13
2	Hierarchical matching network for multi-turn response selection in retrieval-based chatbots. <i>Soft Computing</i> , 2021, 25, 9609-9624.	3.6	3
3	Multifeature Fusion Attention Network for Suicide Risk Assessment Based on Social Media: Algorithm Development and Validation. <i>JMIR Medical Informatics</i> , 2021, 9, e28227.	2.6	5
4	Medical code prediction via capsule networks and ICD knowledge. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 55.	3.0	7
5	Improving Human Happiness Analysis Based on Transfer Learning: Algorithm Development and Validation. <i>JMIR Medical Informatics</i> , 2021, 9, e28292.	2.6	0
6	Co-Attentive Span Network with Multi-task learning for Biomedical Named Entity Recognition. , 2021, , .		3
7	JLAN: medical code prediction via joint learning attention networks and denoising mechanism. <i>BMC Bioinformatics</i> , 2021, 22, 590.	2.6	8
8	Biomedical document triage using a hierarchical attention-based capsule network. <i>BMC Bioinformatics</i> , 2020, 21, 380.	2.6	6
9	A Multichannel Biomedical Named Entity Recognition Model Based on Multitask Learning and Contextualized Word Representations. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-13.	1.2	4
10	Incorporating representation learning and multihead attention to improve biomedical cross-sentence n-ary relation extraction. <i>BMC Bioinformatics</i> , 2020, 21, 312.	2.6	3
11	Document-Level Biomedical Relation Extraction Using Graph Convolutional Network and Multihead Attention: Algorithm Development and Validation. <i>JMIR Medical Informatics</i> , 2020, 8, e17638.	2.6	15
12	A hierarchical knowledge-aware neural network for protein-protein interaction article classification. , 2020, , .		0
13	Extracting Protein-Protein Interactions Affected by Mutations via Auxiliary Task and Domain Pre-trained Model. , 2020, , .		3
14	Incorporating User Generated Content for Drug Drug Interaction Extraction Based on Full Attention Mechanism. <i>IEEE Transactions on Nanobioscience</i> , 2019, 18, 360-367.	3.3	6
15	Neural network-based approaches for biomedical relation classification: A review. <i>Journal of Biomedical Informatics</i> , 2019, 99, 103294.	4.3	71
16	HMNPPIDâ€”human malignant neoplasm proteinâ€”protein interaction database. <i>Human Genomics</i> , 2019, 13, 44.	2.9	2
17	Extracting drugâ€”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	Adverse drug reaction detection via a multihop self-attention mechanism. <i>BMC Bioinformatics</i> , 2019, 20, 479.	2.6	18

#	ARTICLE	IF	CITATIONS
19	Chemical-protein interaction extraction via contextualized word representations and multihead attention. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	14
20	Exploring semi-supervised variational autoencoders for biomedical relation extraction. Methods, 2019, 166, 112-119.	3.8	45
21	A hybrid model based on neural networks for biomedical relation extraction. Journal of Biomedical Informatics, 2018, 81, 83-92.	4.3	97
22	Drug-drug interaction extraction via hierarchical RNNs on sequence and shortest dependency paths. Bioinformatics, 2018, 34, 828-835.	4.1	120
23	Hierarchical Recurrent Convolutional Neural Network for Chemical-protein Relation Extraction from Biomedical Literature. , 2018, , .		4
24	A Knowledge Graph based Bidirectional Recurrent Neural Network Method for Literature-based Discovery. , 2018, , .		5
25	Protein Complexes Detection Based on Global Network Representation Learning. , 2018, , .		1
26	PC-SENE: A node embedding based method for protein complex detection. , 2018, , .		0
27	A multi-task learning based approach to biomedical entity relation extraction. , 2018, , .		8
28	Protein-Protein Interaction Article Classification: A Knowledge-enriched Self-Attention Convolutional Neural Network Approach. , 2018, , .		2
29	A Weak Supervised Learning Method for Essential Protein Detection Based on STRING Database and Learning Representation. , 2018, , .		0
30	HMNPPID: A Database of Protein-protein Interactions Associated with Human Malignant Neoplasms. , 2018, , .		0
31	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
32	Leveraging Biomedical Resources in Bi-LSTM for Drug-Drug Interaction Extraction. IEEE Access, 2018, 6, 33432-33439.	4.2	47
33	An effective neural model extracting document level chemical-induced disease relations from biomedical literature. Journal of Biomedical Informatics, 2018, 83, 1-9.	4.3	30
34	Integrating embeddings of multiple gene networks to prioritize complex disease-associated genes. , 2017, , .		6
35	An uncertain model-based approach for identifying dynamic protein complexes in uncertain protein-protein interaction networks. BMC Genomics, 2017, 18, 743.	2.8	8
36	A hybrid protein-protein interaction triple extraction method for biomedical literature. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
37	Assembling Deep Neural Networks for Medical Compound Figure Detection. Information (Switzerland), 2017, 8, 48.	2.9	6
38	Deep Transfer Learning for Modality Classification of Medical Images. Information (Switzerland), 2017, 8, 91.	2.9	111
39	Disease named entity recognition from biomedical literature using a novel convolutional neural network. BMC Medical Genomics, 2017, 10, 73.	1.5	36
40	An attention-based effective neural model for drug-drug interactions extraction. BMC Bioinformatics, 2017, 18, 445.	2.6	69
41	Visual and Textual Sentiment Analysis of a Microblog Using Deep Convolutional Neural Networks. Algorithms, 2016, 9, 41.	2.1	89
42	ML-CNN: A novel deep learning based disease named entity recognition architecture. , 2016, , .		6
43	Drug drug interaction extraction from biomedical literature using syntax convolutional neural network. Bioinformatics, 2016, 32, 3444-3453.	4.1	175
44	A method for predicting protein complex in dynamic PPI networks. BMC Bioinformatics, 2016, 17, 229.	2.6	29
45	Biomedical event trigger detection by dependency-based word embedding. BMC Medical Genomics, 2016, 9, 45.	1.5	18
46	Construction of dynamic probabilistic protein interaction networks for protein complex identification. BMC Bioinformatics, 2016, 17, 186.	2.6	26
47	A graph kernel based on context vectors for extracting drug-drug interactions. Journal of Biomedical Informatics, 2016, 61, 34-43.	4.3	38
48	Biomedical event trigger detection by dependency-based word embedding. , 2015, , .		6
49	Deep neural network based protein-protein interaction extraction from biomedical literature. , 2015, , .		1
50	Integrating multiple biomedical resources for protein complex prediction. , 2013, , .		2
51	Biomolecular event trigger detection using neighborhood hash features. Journal of Theoretical Biology, 2013, 318, 22-28.	1.7	11
52	Construction of Ontology Augmented Networks for Protein Complex Prediction. PLoS ONE, 2013, 8, e62077.	2.5	14
53	PPIExtractor: A protein-protein interaction Extractor for biomedical literature. , 2012, , .		1
54	Hash Subgraph Pairwise Kernel for Protein-Protein Interaction Extraction. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 1190-1202.	3.0	17

#	ARTICLE	IF	CITATIONS
55	A Single Kernel-Based Approach to Extract Drug-Drug Interactions from Biomedical Literature. PLoS ONE, 2012, 7, e48901.	2.5	22
56	Filtering Gene Ontology semantic similarity for identifying protein complexes in large protein interaction networks. Proteome Science, 2012, 10, S18.	1.7	13
57	Identifying Protein Complexes from PPI Networks Using GO Semantic Similarity. , 2011, , .		2
58	Neighborhood hash graph kernel for proteinâ€“protein interaction extraction. Journal of Biomedical Informatics, 2011, 44, 1086-1092.	4.3	26