Hongfei Lin

List of Publications by Year
in descending order

152 papers	2,777 citations	257450 24 h-index	214800 47 g-index
152 all docs	152 docs citations	152 times ranked	2319 citing authors

#	Article	IF	Citations
1	A Semantic Network Encoder for Associated Fact Prediction. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 5114-5125.	5.7	1
2	An attention network via pronunciation, lexicon and syntax for humor recognition. Applied Intelligence, 2022, 52, 2690-2702.	5.3	3
3	A network representation approach for COVID-19 drug recommendation. Methods, 2022, 198, 3-10.	3.8	7
4	MRC4BioER: Joint extraction of biomedical entities and relations in the machine reading comprehension framework. Journal of Biomedical Informatics, 2022, 125, 103956.	4.3	10
5	Computational personality: a survey. Soft Computing, 2022, 26, 9587-9605.	3.6	6
6	Spider Taylor-ChOA: Optimized Deep Learning Based Sentiment Classification for Review Rating Prediction. Applied Sciences (Switzerland), 2022, 12, 3211.	2.5	3
7	Taylor-ChOA: Taylor-Chimp Optimized Random Multimodal Deep Learning-Based Sentiment Classification Model for Course Recommendation. Mathematics, 2022, 10, 1354.	2.2	7
8	How head posture affects perceived cooperativeness: A cross-cultural perspective. Acta Psychologica, 2022, 227, 103602.	1.5	1
9	HAN-ReGRU: hierarchical attention network with residual gated recurrent unit for emotion recognition in conversation. Neural Computing and Applications, 2021, 33, 2685-2703.	5.6	18
10	Emotion cause detection with enhanced-representation attention convolutional-context network. Soft Computing, 2021, 25, 1297-1307.	3.6	6
11	Chinese medical relation extraction based on multi-hop self-attention mechanism. International Journal of Machine Learning and Cybernetics, 2021, 12, 355-363.	3.6	13
12	Hierarchical matching network for multi-turn response selection in retrieval-based chatbots. Soft Computing, 2021, 25, 9609-9624.	3.6	3
13	Biomedical named entity recognition using BERT in the machine reading comprehension framework. Journal of Biomedical Informatics, 2021, 118, 103799.	4.3	55
14	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
15	Medical code prediction via capsule networks and ICD knowledge. BMC Medical Informatics and Decision Making, 2021, 21, 55.	3.0	7
16	Improving Human Happiness Analysis Based on Transfer Learning: Algorithm Development and Validation. JMIR Medical Informatics, 2021, 9, e28292.	2.6	0
17	SC-Political ResNet: Hashtag Recommendation from Tweets Using Hybrid Optimization-Based Deep Residual Network. Information (Switzerland), 2021, 12, 389.	2.9	3
18	Adversarial neural network with sentiment-aware attention for detecting adverse drug reactions. Journal of Biomedical Informatics, 2021, 123, 103896.	4.3	6

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19	SGAT: a Self-supervised Graph Attention Network for Biomedical Relation Extraction. , 2021, , .		1
20	Deep learning with language models improves named entity recognition for PharmaCoNER. BMC Bioinformatics, 2021, 22, 602.	2.6	4
21	Co-Attentive Span Network with Multi-task learning for Biomedical Named Entity Recognition. , 2021, , .		3
22	Multi-granularity bidirectional attention stream machine comprehension method for emotion cause extraction. Neural Computing and Applications, 2020, 32, 8401-8413.	5.6	7
23	CRHASum: extractive text summarization with contextualized-representation hierarchical-attention summarization network. Neural Computing and Applications, 2020, 32, 11491-11503.	5.6	21
24	Biomedical document triage using a hierarchical attention-based capsule network. BMC Bioinformatics, 2020, 21, 380.	2.6	6
25	Incorporating representation learning and multihead attention to improve biomedical cross-sentence n-ary relation extraction. BMC Bioinformatics, 2020, 21, 312.	2.6	3
26	KGHC: a knowledge graph for hepatocellular carcinoma. BMC Medical Informatics and Decision Making, 2020, 20, 135.	3.0	21
27	Multi-Element Hierarchical Attention Capsule Network for Stock Prediction. IEEE Access, 2020, 8, 143114-143123.	4.2	20
28	Phonetics and Ambiguity Comprehension Gated Attention Network for Humor Recognition. Complexity, 2020, 2020, 1-9.	1.6	4
29	Apparent Emotional Expression Explains the Effects of Head Posture on Perceived Trustworthiness and Dominance, but a Measure of Facial Width Does Not. Perception, 2020, 49, 422-438.	1.2	8
30	Attention guided capsule networks for chemical-protein interaction extraction. Journal of Biomedical Informatics, 2020, 103, 103392.	4.3	16
31	Homographic pun location using multi-dimensional semantic relationships. Soft Computing, 2020, 24, 12163-12173.	3.6	2
32	A Multi-Dimension Question Answering Network for Sarcasm Detection. IEEE Access, 2020, 8, 135152-135161.	4.2	18
33	Detection of Suicide Ideation in Social Media Forums Using Deep Learning. Algorithms, 2020, 13, 7.	2.1	98
34	A neural network-based joint learning approach for biomedical entity and relation extraction from biomedical literature. Journal of Biomedical Informatics, 2020, 103, 103384.	4.3	56
35	Interactive Self-Attentive Siamese Network for Biomedical Sentence Similarity. IEEE Access, 2020, 8, 84093-84104.	4.2	14
36	Exploiting sequence labeling framework to extract document-level relations from biomedical texts. BMC Bioinformatics, 2020, 21, 125.	2.6	10

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37	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
38	A Graph Convolutional Network–Based Method for Chemical-Protein Interaction Extraction: Algorithm Development. JMIR Medical Informatics, 2020, 8, e17643.	2.6	11
39	Cross2Self-attentive Bidirectional Recurrent Neural Network with BERT for Biomedical Semantic Text Similarity. , 2020, , .		6
40	A Graph-boosted Framework for Adverse Drug Event Detection on Twitter. , 2020, , .		1
41	Extracting biomedical relations via a multi-head attention based graph convolutional network. , 2020, , .		4
42	Star-BiLSTM-LAN for Document-level Mutation-Disease Relation Extraction from Biomedical Literature. , 2020, , .		3
43	Extracting Protein-Protein Interactions Affected by Mutations via Auxiliary Task and Domain Pre-trained Model. , 2020, , .		3
44	Gated iterative capsule network for adverse drug reaction detection from social media. , 2020, , .		4
45	BioWordVec, improving biomedical word embeddings with subword information and MeSH. Scientific Data, 2019, 6, 52.	5.3	268
46	Judging a Book by Its Cover: The Effect of Facial Perception on Centrality in Social Networks. , 2019, , .		10
47	Neural network-based approaches for biomedical relation classification: A review. Journal of Biomedical Informatics, 2019, 99, 103294.	4.3	71
48	HMNPPID–human malignant neoplasm protein–protein interaction database. Human Genomics, 2019, 13, 44.	2.9	2
49	Combining the Attention Network and Semantic Representation for Chinese Verb Metaphor Identification. IEEE Access, 2019, 7, 137103-137110.	4.2	6
50	An Integrated Biomedical Event Trigger Identification Approach With a Neural Network and Weighted Extreme Learning Machine. IEEE Access, 2019, 7, 83713-83720.	4.2	3
51	Extracting drug–drug interactions with hybrid bidirectional gated recurrent unit and graph convolutional network. Journal of Biomedical Informatics, 2019, 99, 103295.	4.3	20
52	Adverse drug reaction detection via a multihop self-attention mechanism. BMC Bioinformatics, 2019, 20, 479.	2.6	18
53	Chemical–protein interaction extraction via contextualized word representations and multihead attention. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	14
54	Relation path feature embedding based convolutional neural network method for drug discovery. BMC Medical Informatics and Decision Making, 2019, 19, 59.	3.0	7

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55	Detection of protein complexes from multiple protein interaction networks using graph embedding. Artificial Intelligence in Medicine, 2019, 96, 107-115.	6.5	14
56	GrEDeL: A Knowledge Graph Embedding Based Method for Drug Discovery From Biomedical Literatures. IEEE Access, 2019, 7, 8404-8415.	4.2	46
57	Residual Connected Enhanced Sequential Inference Model for Natural Language Inference. , 2019, , .		0
58	Disease Gene Prediction Based on Heterogeneous Probabilistic Hypergraph Ranking. , 2019, , .		0
59	Intelligent multi-document summarization for biomedical literature by word embeddings and graph-based ranking. Journal of Intelligent and Fuzzy Systems, 2019, 37, 4797-4802.	1.4	0
60	A network embedding model for pathogenic genes prediction by multi-path random walking on heterogeneous network. BMC Medical Genomics, 2019, 12, 188.	1.5	11
61	Detecting adverse drug reactions from social media based on multi-channel convolutional neural networks. Neural Computing and Applications, 2019, 31, 4799-4808.	5.6	9
62	An attention-based BiLSTM-CRF approach to document-level chemical named entity recognition. Bioinformatics, 2018, 34, 1381-1388.	4.1	277
63	A hybrid model based on neural networks for biomedical relation extraction. Journal of Biomedical Informatics, 2018, 81, 83-92.	4.3	97
64	Drugâ€"drug interaction extraction via hierarchical RNNs on sequence and shortest dependency paths. Bioinformatics, 2018, 34, 828-835.	4.1	120
65	The impact of protein interaction networksâ€™ characteristics on computational complex detection methods. Journal of Theoretical Biology, 2018, 439, 141-151.	1.7	14
66	End-to-end Answer Selection via Attention-Based Bi-LSTM Network. , 2018, , .		2
67	Hierarchical Recurrent Convolutional Neural Network for Chemical-protein Relation Extraction from Biomedical Literature. , 2018, , .		4
68	Multipath2vec: Predicting Pathogenic Genes via Heterogeneous Network Embedding. , 2018, , .		1
69	A Knowledge Graph based Bidirectional Recurrent Neural Network Method for Literature-based Discovery. , 2018, , .		5
70	Protein Complexes Detection Based on Global Network Representation Learning. , 2018, , .		1
71	PC-SENE: A node embedding based method for protein complex detection. , 2018, , .		0
72	Full-attention Based Drug Drug Interaction Extraction Exploiting User-generated Content. , 2018, , .		8

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73	A multi-task learning based approach to biomedical entity relation extraction. , 2018, , .		8
74	Protein-Protein Interaction Article Classification: A Knowledge-enriched Self-Attention Convolutional Neural Network Approach. , 2018, , .		2
75	A Weak Supervised Learning Method for Essential Protein Detection Based on STRING Database and Learning Representation. , 2018, , .		0
76	HMNPPID: A Database of Protein-protein Interactions Associated with Human Malignant Neoplasms. , 2018, , .		0
77	A neural network approach to chemical and gene/protein entity recognition in patents. Journal of Cheminformatics, 2018, 10, 65.	6.1	9
78	Bidirectional long short-term memory with CRF for detecting biomedical event trigger in FastText semantic space. BMC Bioinformatics, 2018, 19, 507.	2.6	19
79	The Identification of the Emotionality of Metaphorical Expressions Based on a Manually Annotated Chinese Corpus. IEEE Access, 2018, 6, 71241-71248.	4.2	6
80	Identifying protein complexes based on node embeddings obtained from protein-protein interaction networks. BMC Bioinformatics, 2018, 19, 332.	2.6	6
81	A document level neural model integrated domain knowledge for chemical-induced disease relations. BMC Bioinformatics, 2018, 19, 328.	2.6	9
82	Document triage for identifying protein–protein interactions affected by mutations: a neural network ensemble approach. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	4
83	SemaTyP: a knowledge graph based literature mining method for drug discovery. BMC Bioinformatics, 2018, 19, 193.	2.6	60
84	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
85	Convolutional neural networks for expert recommendation in community question answering. Science China Information Sciences, 2017, 60, 1.	4.3	28
86	DIGNiFI: Discovering causative genes for orphan diseases using protein-protein interaction networks. BMC Systems Biology, 2017, 11, 23.	3.0	12
87	An uncertain model-based approach for identifying dynamic protein complexes in uncertain protein-protein interaction networks. BMC Genomics, 2017, 18, 743.	2.8	8
88	A hybrid protein-protein interaction triple extraction method for biomedical literature. , 2017, , .		4
89	Assembling Deep Neural Networks for Medical Compound Figure Detection. Information (Switzerland), 2017, 8, 48.	2.9	6
90	Deep Transfer Learning for Modality Classification of Medical Images. Information (Switzerland), 2017, 8, 91.	2.9	111

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91	A multiple distributed representation method based on neural network for biomedical event extraction. BMC Medical Informatics and Decision Making, 2017, 17, 171.	3.0	24
92	Disease named entity recognition from biomedical literature using a novel convolutional neural network. BMC Medical Genomics, 2017, 10, 73.	1.5	36
93	An attention-based effective neural model for drug-drug interactions extraction. BMC Bioinformatics, 2017, 18, 445.	2.6	69
94	Low-Resource Cross-Domain Product Review Sentiment Classification Based on a CNN with an Auxiliary Large-Scale Corpus. Algorithms, 2017, 10, 81.	2.1	17
95	A Convolution-LSTM-Based Deep Neural Network for Cross-Domain MOOC Forum Post Classification. Information (Switzerland), 2017, 8, 92.	2.9	64
96	Visual and Textual Sentiment Analysis of a Microblog Using Deep Convolutional Neural Networks. Algorithms, 2016, 9, 41.	2.1	89
97	DIGNiFI. , 2016, , .		0
98	ML-CNN: A novel deep learning based disease named entity recognition architecture. , 2016, , .		6
99	CIDExtractor: A chemical-induced disease relation extraction system for biomedical literature. , 2016, , .		9
100	Disease-specific protein complex detection in the human protein interaction network with a supervised learning method. , 2016, , .		1
101	Drug drug interaction extraction from biomedical literature using syntax convolutional neural network. Bioinformatics, 2016, 32, 3444-3453.	4.1	175
102	Improving biomedical information retrieval by linear combinations of different query expansion techniques. BMC Bioinformatics, 2016, 17, 238.	2.6	18
103	A method for predicting protein complex in dynamic PPI networks. BMC Bioinformatics, 2016, 17, 229.	2.6	29
104	Biomedical event trigger detection by dependency-based word embedding. BMC Medical Genomics, 2016, 9, 45.	1.5	18
105	Construction of dynamic probabilistic protein interaction networks for protein complex identification. BMC Bioinformatics, 2016, 17, 186.	2.6	26
106	Assessment of learning to rank methods for query expansion. Journal of the Association for Information Science and Technology, 2016, 67, 1345-1357.	2.9	17
107	A graph kernel based on context vectors for extracting drug–drug interactions. Journal of Biomedical Informatics, 2016, 61, 34-43.	4.3	38
108	Detection and Extraction of Hot Topics on Chinese Microblogs. Cognitive Computation, 2016, 8, 577-586.	5.2	16

#	ARTICLE	IF	CITATIONS
109	Biomedical event extraction based on distributed representation and deep learning. , 2016, , .		3
110	Disease Related Knowledge Summarization Based on Deep Graph Search. BioMed Research International, 2015, 2015, 1-11.	1.9	0
111	Supervised Learning Based Hypothesis Generation from Biomedical Literature. BioMed Research International, 2015, 2015, 1-12.	1.9	9
112	Biomedical event trigger detection by dependency-based word embedding. , 2015, , .		6
113	Discover potential adverse drug reactions using the skip-gram model. , 2015, , .		1
114	Learning to rank for biomedical information retrieval. , 2015, , .		1
115	Deep neural network based protein-protein interaction extraction from biomedical literature. , 2015, , .		1
116	How we collaborate: characterizing, modeling and predicting scientific collaborations. Scientometrics, 2015, 104, 43-60.	3.0	7
117	A Multiple Relevance Feedback Strategy with Positive and Negative Models. PLoS ONE, 2014, 9, e104707.	2.5	4
118	Gene Function Prediction Based on the Gene Ontology Hierarchical Structure. PLoS ONE, 2014, 9, e107187.	2.5	27
119	Data integration and supervised learning based protein complex detection method. , 2014, , .		0
120	Deep graph search based disease related knowledge summarization from biomedical literature. , 2014, , .		0
121	Drug name recognition in biomedical texts: a machine-learning-based method. Drug Discovery Today, 2014, 19, 610-617.	6.4	29
122	Exploring the relation between the characteristics of protein interaction networks and the performances of computational complex detection methods. , 2014, , .		0
123	Integrating multiple biomedical resources for protein complex prediction. , 2013, , .		2
124	Learning to rank based gene summary extraction. , 2013, , .		0
125	Topical community detection from mining user tagging behavior and interest. Journal of the Association for Information Science and Technology, 2013, 64, 321-333.	2.6	18
126	Learning to rank using smoothing methods for language modeling. Journal of the Association for Information Science and Technology, 2013, 64, 818-828.	2.6	5

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127	Semi-supervised method for biomedical event extraction. Proteome Science, 2013, 11, S17.	1.7	8
128	Protein Complex Identification by Integrating Protein-Protein Interaction Evidence from Multiple Sources. PLoS ONE, 2013, 8, e83841.	2.5	11
129	A syntactic rule-based method for automatic pathway information extraction from biomédical literature. , 2012, , .		1
130	Classifying protein complexes from candidate subgraphs using fuzzy machine learning model. , 2012, , .		1
131	Combining labeled and unlabeled data for biomédical event extraction. , 2012, , .		0
132	Mining a multilingual association dictionary from ‹scp›W‹/scp›ikipedia for crossâ€language information retrieval. Journal of the Association for Information Science and Technology, 2012, 63, 2474-2487.	2.6	10
133	PPIExtractor: A protein-protein interaction Extractor for biom&#x00E9;dical literature. , 2012, , .		1
134	Transfer learning based on graph ranking. , 2012, , .		0
135	Filtering Gene Ontology semantic similarity for identifying protein complexes in large protein interaction networks. Proteome Science, 2012, 10, S18.	1.7	13
136	Identifying Protein Complexes from PPI Networks Using GO Semantic Similarity. , 2011, , .		2
137	Finding a good queryâ€related topic for boosting pseudoâ€relevance feedback. Journal of the Association for Information Science and Technology, 2011, 62, 748-760.	2.6	32
138	An improved spectral clustering algorithm based on local neighbors in kernel space. Computer Science and Information Systems, 2011, 8, 1143-1157.	1.0	7
139	Ranking SVM for multiple kernels output combination in protein-protein interaction extraction from biomedical literature. , 2010, , .		0
140	Hypergraph Partition with Harmonic Average Top-N and PCA for Topic Detection. , 2010, , .		0
141	A two-stage feature selection method for text categorization. , 2010, , .		7
142	Ontology integration to identify protein complex in protein interaction networks. , 2010, , .		4
143	Study on question answering system for biomedical domain. , 2009, , .		1
144	Query expansion based on folksonomy tag co-occurrence analysis. , 2009, , .		15

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145	Applying Feature Coupling Generalization for Protein-Protein Interaction Extraction. , 2009, , .		2
146	Automatic Opinion Analysis Based on SVM and Distance-Weighted Computing. , 2008, , .		0
147	Research on Focal Figures-Oriented Sentimental Question Answering. , 2008, , .		1
148	SVM-based Protein-Protein Interaction Extraction from Medline abstracts. , 2007, , .		4
149	Opinion Mining in e-Learning System. , 2007, , .		25
150	Question-answering system based on concepts and statistics. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2007, 2, 23-28.	0.6	1
151	Opinion Mining in e-Learning System. , 2007, , .		3
152	Gene Name Automatic Recognition in Biomedical Literature. , 2006, , .		0