

Buzhou Tang

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

1,992
citations

304743

22
h-index

276875

41
g-index

72
all docs

72
docs citations

72
times ranked

1802
citing authors

#	ARTICLE	IF	CITATIONS
1	A Unified Machine Reading Comprehension Framework for Cohort Selection. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 379-387.	6.3	3
2	Biomedical relation extraction via knowledge-enhanced reading comprehension. BMC Bioinformatics, 2022, 23, 20.	2.6	20
3	Multi-channel fusion LSTM for medical event prediction using EHRs. Journal of Biomedical Informatics, 2022, 127, 104011.	4.3	13
4	Leveraging Multi-source knowledge for Chinese clinical named entity recognition via relational graph convolutional network. Journal of Biomedical Informatics, 2022, 128, 104035.	4.3	16
5	Decomposing word embedding with the capsule network. Knowledge-Based Systems, 2021, 212, 106611.	7.1	7
6	Adoption of Electronic Health Records (EHRs) in China During the Past 10 Years: Consecutive Survey Data Analysis and Comparison of Sino-American Challenges and Experiences. Journal of Medical Internet Research, 2021, 23, e24813.	4.3	32
7	Novel Graph-Based Model With Biaffine Attention for Family History Extraction From Clinical Text: Modeling Study. JMIR Medical Informatics, 2021, 9, e23587.	2.6	0
8	CapsTM: capsule network for Chinese medical text matching. BMC Medical Informatics and Decision Making, 2021, 21, 94.	3.0	3
9	Health Natural Language Processing: Methodology Development and Applications. JMIR Medical Informatics, 2021, 9, e23898.	2.6	12
10	Drug knowledge discovery via multi-task learning and pre-trained models. BMC Medical Informatics and Decision Making, 2021, 21, 251.	3.0	1
11	Document-level medical relation extraction via edge-oriented graph neural network based on document structure and external knowledge. BMC Medical Informatics and Decision Making, 2021, 21, 368.	3.0	3
12	Improving deep learning method for biomedical named entity recognition by using entity definition information. BMC Bioinformatics, 2021, 22, 600.	2.6	4
13	A hybrid method of recurrent neural network and graph neural network for next-period prescription prediction. International Journal of Machine Learning and Cybernetics, 2020, 11, 2849-2856.	3.6	32
14	Gated Semantic Difference Based Sentence Semantic Equivalence Identification. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 2770-2780.	5.8	3
15	A Labeling Method for Financial Time Series Prediction Based on Trends. Entropy, 2020, 22, 1162.	2.2	36
16	Real-world data medical knowledge graph: construction and applications. Artificial Intelligence in Medicine, 2020, 103, 101817.	6.5	127
17	Distributed representation and one-hot representation fusion with gated network for clinical semantic textual similarity. BMC Medical Informatics and Decision Making, 2020, 20, 72.	3.0	23
18	A Method to Learn Embedding of a Probabilistic Medical Knowledge Graph: Algorithm Development. JMIR Medical Informatics, 2020, 8, e17645.	2.6	16

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19	Depression Risk Prediction for Chinese Microblogs via Deep-Learning Methods: Content Analysis. JMIR Medical Informatics, 2020, 8, e17958.	2.6	28
20	Using Character-Level and Entity-Level Representations to Enhance Bidirectional Encoder Representation From Transformers-Based Clinical Semantic Textual Similarity Model: ClinicalSTS Modeling Study. JMIR Medical Informatics, 2020, 8, e23357.	2.6	7
21	KEoG: A knowledge-aware edge-oriented graph neural network for document-level relation extraction. , 2020, , .		2
22	Re-examination of Rule-Based Methods in Deidentification of Electronic Health Records: Algorithm Development and Validation. JMIR Medical Informatics, 2020, 8, e17622.	2.6	4
23	Cohort selection for clinical trials using hierarchical neural network. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 1203-1208.	4.4	21
24	Extracting entities with attributes in clinical text via joint deep learning. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 1584-1591.	4.4	14
25	Named Entity Recognition in Clinical Text Based on Capsule-LSTM for Privacy Protection. Lecture Notes in Computer Science, 2019, , 166-178.	1.3	6
26	A fine-grained Chinese word segmentation and part-of-speech tagging corpus for clinical text. BMC Medical Informatics and Decision Making, 2019, 19, 66.	3.0	14
27	Entity recognition in Chinese clinical text using attention-based CNN-LSTM-CRF. BMC Medical Informatics and Decision Making, 2019, 19, 74.	3.0	35
28	KMR: knowledge-oriented medicine representation learning for drug-drug interaction and similarity computation. Journal of Cheminformatics, 2019, 11, 22.	6.1	17
29	KGDDS: A System for Drug-Drug Similarity Measure in Therapeutic Substitution based on Knowledge Graph Curation. Journal of Medical Systems, 2019, 43, 92.	3.6	25
30	Temporal indexing of medical entity in Chinese clinical notes. BMC Medical Informatics and Decision Making, 2019, 19, 17.	3.0	5
31	Family history information extraction via deep joint learning. BMC Medical Informatics and Decision Making, 2019, 19, 277.	3.0	18
32	Assessing depression risk in Chinese microblogs: a corpus and machine learning methods. , 2019, , .		9
33	A Deep Learning-Based System for PharmaCoNER. , 2019, , .		9
34	De-identification of Clinical Text via Bi-LSTM-CRF with Neural Language Models. AMIA ... Annual Symposium proceedings, 2019, 2019, 857-863.	0.2	2
35	Structural regularity exploration in multidimensional networks via Bayesian inference. Neural Computing and Applications, 2018, 29, 413-424.	5.6	9
36	Drug2Vec: Knowledge-aware Feature-driven Method for Drug Representation Learning. , 2018, , .		12

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37	CBN: Constructing a clinical Bayesian network based on data from the electronic medical record. Journal of Biomedical Informatics, 2018, 88, 1-10.	4.3	35
38	EAPB: entropy-aware path-based metric for ontology quality. Journal of Biomedical Semantics, 2018, 9, 20.	1.6	1
39	Recognizing Continuous and Discontinuous Adverse Drug Reaction Mentions from Social Media Using LSTM-CRF. Wireless Communications and Mobile Computing, 2018, 2018, 1-8.	1.2	23
40	Chinese Clinical Entity Recognition via Attention-Based CNN-LSTM-CRF. , 2018, , .		7
41	Chemical-induced disease extraction via recurrent piecewise convolutional neural networks. BMC Medical Informatics and Decision Making, 2018, 18, 60.	3.0	15
42	Usability Study of Mainstream Wearable Fitness Devices: Feature Analysis and System Usability Scale Evaluation. JMIR MHealth and UHealth, 2018, 6, e11066.	3.7	92
43	Overlapping community detection in weighted networks via a Bayesian approach. Physica A: Statistical Mechanics and Its Applications, 2017, 468, 790-801.	2.6	12
44	Chemical-induced disease extraction via convolutional neural networks with attention. , 2017, , .		11
45	Entity recognition from clinical texts via recurrent neural network. BMC Medical Informatics and Decision Making, 2017, 17, 67.	3.0	135
46	CNN-based ranking for biomedical entity normalization. BMC Bioinformatics, 2017, 18, 385.	2.6	77
47	De-identification of clinical notes via recurrent neural network and conditional random field. Journal of Biomedical Informatics, 2017, 75, S34-S42.	4.3	97
48	HITSZ_CDR: an end-to-end chemical and disease relation extraction system for BioCreative V. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw077.	3.0	3
49	Network structure exploration in networks with node attributes. Physica A: Statistical Mechanics and Its Applications, 2016, 449, 240-253.	2.6	20
50	A comparison of conditional random fields and structured support vector machines for chemical entity recognition in biomedical literature. Journal of Cheminformatics, 2015, 7, S8.	6.1	26
51	The CHEMDNER corpus of chemicals and drugs and its annotation principles. Journal of Cheminformatics, 2015, 7, S2.	6.1	166
52	Drug Name Recognition: Approaches and Resources. Information (Switzerland), 2015, 6, 790-810.	2.9	30
53	Effects of Semantic Features on Machine Learning-Based Drug Name Recognition Systems: Word Embeddings vs. Manually Constructed Dictionaries. Information (Switzerland), 2015, 6, 848-865.	2.9	41
54	Feature Engineering for Drug Name Recognition in Biomedical Texts: Feature Conjunction and Feature Selection. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-9.	1.3	15

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55	Automatic de-identification of electronic medical records using token-level and character-level conditional random fields. <i>Journal of Biomedical Informatics</i> , 2015, 58, S47-S52.	4.3	58
56	Domain adaptation for semantic role labeling of clinical text. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 967-979.	4.4	19
57	An automatic system to identify heart disease risk factors in clinical texts over time. <i>Journal of Biomedical Informatics</i> , 2015, 58, S158-S163.	4.3	32
58	Evaluating Word Representation Features in Biomedical Named Entity Recognition Tasks. <i>BioMed Research International</i> , 2014, 2014, 1-6.	1.9	94
59	A comprehensive study of named entity recognition in Chinese clinical text. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014, 21, 808-814.	4.4	149
60	UTH_CCB: A report for SemEval 2014 "Task 7 Analysis of Clinical Text." , 2014, , .		22
61	Recognizing clinical entities in hospital discharge summaries using Structural Support Vector Machines with word representation features. <i>BMC Medical Informatics and Decision Making</i> , 2013, 13, S1.	3.0	88
62	A hybrid system for temporal information extraction from clinical text. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013, 20, 828-835.	4.4	99
63	Clinical entity recognition using structural support vector machines with rich features. , 2012, , .		32
64	Chinese Unknown Word Recognition Using Improved Conditional Random Fields. , 2008, , .		2