

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	The CHEMDNER corpus of chemicals and drugs and its annotation principles. <i>Journal of Cheminformatics</i> , 2015, 7, S2.	6.1	166
2	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
3	Entity recognition from clinical texts via recurrent neural network. <i>BMC Medical Informatics and Decision Making</i> , 2017, 17, 67.	3.0	135
4	Real-world data medical knowledge graph: construction and applications. <i>Artificial Intelligence in Medicine</i> , 2020, 103, 101817.	6.5	127
5	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
6	De-identification of clinical notes via recurrent neural network and conditional random field. <i>Journal of Biomedical Informatics</i> , 2017, 75, S34-S42.	4.3	97
7	Evaluating Word Representation Features in Biomedical Named Entity Recognition Tasks. <i>BioMed Research International</i> , 2014, 2014, 1-6.	1.9	94
8	Usability Study of Mainstream Wearable Fitness Devices: Feature Analysis and System Usability Scale Evaluation. <i>JMIR MHealth and UHealth</i> , 2018, 6, e11066.	3.7	92
9	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
10	CNN-based ranking for biomedical entity normalization. <i>BMC Bioinformatics</i> , 2017, 18, 385.	2.6	77
11	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
12	Effects of Semantic Features on Machine Learning-Based Drug Name Recognition Systems: Word Embeddings vs. Manually Constructed Dictionaries. <i>Information (Switzerland)</i> , 2015, 6, 848-865.	2.9	41
13	A Labeling Method for Financial Time Series Prediction Based on Trends. <i>Entropy</i> , 2020, 22, 1162.	2.2	36
14	CBN: Constructing a clinical Bayesian network based on data from the electronic medical record. <i>Journal of Biomedical Informatics</i> , 2018, 88, 1-10.	4.3	35
15	Entity recognition in Chinese clinical text using attention-based CNN-LSTM-CRF. <i>BMC Medical Informatics and Decision Making</i> , 2019, 19, 74.	3.0	35
16	Clinical entity recognition using structural support vector machines with rich features. , 2012, , .		32
17	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
18	A hybrid method of recurrent neural network and graph neural network for next-period prescription prediction. <i>International Journal of Machine Learning and Cybernetics</i> , 2020, 11, 2849-2856.	3.6	32

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19	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. <i>Journal of Medical Internet Research</i> , 2021, 23, e24813.	4.3	32
20	Drug Name Recognition: Approaches and Resources. <i>Information (Switzerland)</i> , 2015, 6, 790-810.	2.9	30
21	Depression Risk Prediction for Chinese Microblogs via Deep-Learning Methods: Content Analysis. <i>JMIR Medical Informatics</i> , 2020, 8, e17958.	2.6	28
22	A comparison of conditional random fields and structured support vector machines for chemical entity recognition in biomedical literature. <i>Journal of Cheminformatics</i> , 2015, 7, S8.	6.1	26
23	KGDDS: A System for Drug-Drug Similarity Measure in Therapeutic Substitution based on Knowledge Graph Curation. <i>Journal of Medical Systems</i> , 2019, 43, 92.	3.6	25
24	Recognizing Continuous and Discontinuous Adverse Drug Reaction Mentions from Social Media Using LSTM-CRF. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-8.	1.2	23
25	Distributed representation and one-hot representation fusion with gated network for clinical semantic textual similarity. <i>BMC Medical Informatics and Decision Making</i> , 2020, 20, 72.	3.0	23
26	UTH_CCB: A report for SemEval 2014 " Task 7 Analysis of Clinical Text. , 2014, , .		22
27	Cohort selection for clinical trials using hierarchical neural network. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2019, 26, 1203-1208.	4.4	21
28	Network structure exploration in networks with node attributes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 449, 240-253.	2.6	20
29	Biomedical relation extraction via knowledge-enhanced reading comprehension. <i>BMC Bioinformatics</i> , 2022, 23, 20.	2.6	20
30	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
31	Family history information extraction via deep joint learning. <i>BMC Medical Informatics and Decision Making</i> , 2019, 19, 277.	3.0	18
32	KMR: knowledge-oriented medicine representation learning for drug-drug interaction and similarity computation. <i>Journal of Cheminformatics</i> , 2019, 11, 22.	6.1	17
33	A Method to Learn Embedding of a Probabilistic Medical Knowledge Graph: Algorithm Development. <i>JMIR Medical Informatics</i> , 2020, 8, e17645.	2.6	16
34	Leveraging Multi-source knowledge for Chinese clinical named entity recognition via relational graph convolutional network. <i>Journal of Biomedical Informatics</i> , 2022, 128, 104035.	4.3	16
35	Feature Engineering for Drug Name Recognition in Biomedical Texts: Feature Conjunction and Feature Selection. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-9.	1.3	15
36	Chemical-induced disease extraction via recurrent piecewise convolutional neural networks. <i>BMC Medical Informatics and Decision Making</i> , 2018, 18, 60.	3.0	15

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37	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
38	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
39	Multi-channel fusion LSTM for medical event prediction using EHRs. Journal of Biomedical Informatics, 2022, 127, 104011.	4.3	13
40	Overlapping community detection in weighted networks via a Bayesian approach. Physica A: Statistical Mechanics and Its Applications, 2017, 468, 790-801.	2.6	12
41	Drug2Vec: Knowledge-aware Feature-driven Method for Drug Representation Learning. , 2018, , .		12
42	Health Natural Language Processing: Methodology Development and Applications. JMIR Medical Informatics, 2021, 9, e23898.	2.6	12
43	Chemical-induced disease extraction via convolutional neural networks with attention. , 2017, , .		11
44	Structural regularity exploration in multidimensional networks via Bayesian inference. Neural Computing and Applications, 2018, 29, 413-424.	5.6	9
45	Assessing depression risk in Chinese microblogs: a corpus and machine learning methods. , 2019, , .		9
46	A Deep Learning-Based System for PharmaCoNER. , 2019, , .		9
47	Chinese Clinical Entity Recognition via Attention-Based CNN-LSTM-CRF. , 2018, , .		7
48	Decomposing word embedding with the capsule network. Knowledge-Based Systems, 2021, 212, 106611.	7.1	7
49	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
50	Named Entity Recognition in Clinical Text Based on Capsule-LSTM for Privacy Protection. Lecture Notes in Computer Science, 2019, , 166-178.	1.3	6
51	Temporal indexing of medical entity in Chinese clinical notes. BMC Medical Informatics and Decision Making, 2019, 19, 17.	3.0	5
52	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
53	Improving deep learning method for biomedical named entity recognition by using entity definition information. BMC Bioinformatics, 2021, 22, 600.	2.6	4
54	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

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55	Gated Semantic Difference Based Sentence Semantic Equivalence Identification. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 2770-2780.	5.8	3
56	CapsTM: capsule network for Chinese medical text matching. BMC Medical Informatics and Decision Making, 2021, 21, 94.	3.0	3
57	A Unified Machine Reading Comprehension Framework for Cohort Selection. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 379-387.	6.3	3
58	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
59	Chinese Unknown Word Recognition Using Improved Conditional Random Fields. , 2008, , .		2
60	KEoG: A knowledge-aware edge-oriented graph neural network for document-level relation extraction. , 2020, , .		2
61	De-identification of Clinical Text via Bi-LSTM-CRF with Neural Language Models. AMIA ... Annual Symposium proceedings, 2019, 2019, 857-863.	0.2	2
62	EAPB: entropy-aware path-based metric for ontology quality. Journal of Biomedical Semantics, 2018, 9, 20.	1.6	1
63	Drug knowledge discovery via multi-task learning and pre-trained models. BMC Medical Informatics and Decision Making, 2021, 21, 251.	3.0	1
64	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