

Xuezhong Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

4,711
citations

304368

22
h-index

110170

64
g-index

105
all docs

105
docs citations

105
times ranked

8552
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetics of rheumatoid arthritis contributes to biology and drug discovery. <i>Nature</i> , 2014, 506, 376-381.	13.7	1,974
2	Human symptomsâ€“disease network. <i>Nature Communications</i> , 2014, 5, 4212.	5.8	557
3	SymMap: an integrative database of traditional Chinese medicine enhanced by symptom mapping. <i>Nucleic Acids Research</i> , 2019, 47, D1110-D1117.	6.5	301
4	Development of traditional Chinese medicine clinical data warehouse for medical knowledge discovery and decision support. <i>Artificial Intelligence in Medicine</i> , 2010, 48, 139-152.	3.8	194
5	Knowledge discovery in traditional Chinese medicine: State of the art and perspectives. <i>Artificial Intelligence in Medicine</i> , 2006, 38, 219-236.	3.8	188
6	An analysis of human microbeâ€“disease associations. <i>Briefings in Bioinformatics</i> , 2017, 18, 85-97.	3.2	173
7	Ontology development for unified traditional Chinese medical language system. <i>Artificial Intelligence in Medicine</i> , 2004, 32, 15-27.	3.8	114
8	Text mining for traditional Chinese medical knowledge discovery: A survey. <i>Journal of Biomedical Informatics</i> , 2010, 43, 650-660.	2.5	104
9	Integrative mining of traditional Chinese medicine literature and MEDLINE for functional gene networks. <i>Artificial Intelligence in Medicine</i> , 2007, 41, 87-104.	3.8	65
10	A Systems Approach to Refine Disease Taxonomy by Integrating Phenotypic and Molecular Networks. <i>EBioMedicine</i> , 2018, 31, 79-91.	2.7	60
11	Human Genetics in Rheumatoid Arthritis Guides a High-Throughput Drug Screen of the CD40 Signaling Pathway. <i>PLoS Genetics</i> , 2013, 9, e1003487.	1.5	52
12	HerGePred: Heterogeneous Network Embedding Representation for Disease Gene Prediction. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 1805-1815.	3.9	51
13	Neuroprotective effects of Ginkgo biloba extract and Ginkgolide B against oxygenâ€“glucose deprivation/reoxygenation and glucose injury in a new in vitro multicellular network model. <i>Frontiers of Medicine</i> , 2018, 12, 307-318.	1.5	47
14	Data processing and analysis in realâ€“world traditional Chinese medicine clinical data: challenges and approaches. <i>Statistics in Medicine</i> , 2012, 31, 653-660.	0.8	40
15	Network-Based Approach to Identify Potential Targets and Drugs that Promote Neuroprotection and Neurorepair in Acute Ischemic Stroke. <i>Scientific Reports</i> , 2017, 7, 40137.	1.6	38
16	Clinical features and the traditional Chinese medicine therapeutic characteristics of 293 COVID-19 inpatient cases. <i>Frontiers of Medicine</i> , 2020, 14, 760-775.	1.5	38
17	Clinical phenotype network: the underlying mechanism for personalized diagnosis and treatment of traditional Chinese medicine. <i>Frontiers of Medicine</i> , 2014, 8, 337-346.	1.5	36
18	Analysis of disease comorbidity patterns in a large-scale China population. <i>BMC Medical Genomics</i> , 2019, 12, 177.	0.7	35

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19	A novel approach in discovering significant interactions from TCM patient prescription data. International Journal of Data Mining and Bioinformatics, 2011, 5, 353.	0.1	32
20	Topic model for Chinese medicine diagnosis and prescription regularities analysis: Case on diabetes. Chinese Journal of Integrative Medicine, 2011, 17, 307-313.	0.7	28
21	Herb Target Prediction Based on Representation Learning of Symptom related Heterogeneous Network. Computational and Structural Biotechnology Journal, 2019, 17, 282-290.	1.9	26
22	Heterogeneous network embedding for identifying symptom candidate genes. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 1452-1459.	2.2	25
23	Extracting relations from traditional Chinese medicine literature via heterogeneous entity networks. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 356-365.	2.2	23
24	Risk factors associated with 31-day unplanned readmission in 50,912 discharged patients after stroke in China. BMC Neurology, 2018, 18, 218.	0.8	22
25	Integrated Modules Analysis to Explore the Molecular Mechanisms of Phlegm-Stasis Cementation Syndrome with Ischemic Heart Disease. Frontiers in Physiology, 2018, 9, 7.	1.3	21
26	Add-On Chinese Medicine for Coronavirus Disease 2019 (ACCORD): A Retrospective Cohort Study of Hospital Registries. The American Journal of Chinese Medicine, 2021, 49, 543-575.	1.5	21
27	Building Clinical Data Warehouse for Traditional Chinese Medicine Knowledge Discovery. , 2008, , .		16
28	Patterns of herbal combination for the treatment of insomnia commonly employed by highly experienced Chinese medicine physicians. Chinese Journal of Integrative Medicine, 2011, 17, 655-662.	0.7	16
29	Prediction of Molecular Mechanisms for LianXia NingXin Formula: A Network Pharmacology Study. Frontiers in Physiology, 2018, 9, 489.	1.3	16
30	PDGNet: Predicting Disease Genes Using a Deep Neural Network With Multi-View Features. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, 19, 575-584.	1.9	16
31	Thinking and practice of accelerating transformation of traditional Chinese medicine from experience medicine to evidence-based medicine. Frontiers of Medicine, 2011, 5, 163-70.	1.5	15
32	Functional diversity of topological modules in human protein-protein interaction networks. Scientific Reports, 2017, 7, 16199.	1.6	15
33	Symptom-based network classification identifies distinct clinical subgroups of liver diseases with common molecular pathways. Computer Methods and Programs in Biomedicine, 2019, 174, 41-50.	2.6	15
34	Text Mining for Clinical Chinese Herbal Medical Knowledge Discovery. Lecture Notes in Computer Science, 2005, , 396-398.	1.0	14
35	A hierarchical symptom-herb topic model for analyzing traditional Chinese medicine clinical diabetic data. , 2010, , .		13
36	Exploring effective core drug patterns in primary insomnia treatment with Chinese herbal medicine: study protocol for a randomized controlled trial. Trials, 2013, 14, 61.	0.7	13

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37	Novel Two-Stage Analytic Approach in Extraction of Strong Herb-Herb Interactions in TCM Clinical Treatment of Insomnia. Lecture Notes in Computer Science, 2010, , 258-267.	1.0	13
38	Multistage analysis method for detection of effective herb prescription from clinical data. Frontiers of Medicine, 2018, 12, 206-217.	1.5	13
39	Integrated network analysis reveals potentially novel molecular mechanisms and therapeutic targets of refractory epilepsies. PLoS ONE, 2017, 12, e0174964.	1.1	13
40	Network Patterns of Herbal Combinations in Traditional Chinese Clinical Prescriptions. Frontiers in Pharmacology, 2020, 11, 590824.	1.6	12
41	SoFDA: an integrated web platform from syndrome ontology to network-based evaluation of disease“syndrome”formula associations for precision medicine. Science Bulletin, 2022, 67, 1097-1101.	4.3	12
42	Investigation into the Influence of Physician for Treatment Based on Syndrome Differentiation. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-16.	0.5	11
43	A conditional probabilistic model for joint analysis of symptoms, diseases, and herbs in traditional Chinese medicine patient records. , 2016, , .		11
44	Integrated network analysis of symptom clusters across disease conditions. Journal of Biomedical Informatics, 2020, 107, 103482.	2.5	11
45	TMNP: a transcriptome-based multi-scale network pharmacology platform for herbal medicine. Briefings in Bioinformatics, 2022, 23, .	3.2	11
46	Network Analysis System for Traditional Chinese Medicine Clinical Data. , 2009, , .		10
47	Network Based Integrated Analysis of Phenotype-Genotype Data for Prioritization of Candidate Symptom Genes. BioMed Research International, 2014, 2014, 1-10.	0.9	10
48	Clinical data quality problems and countermeasure for real world study. Frontiers of Medicine, 2014, 8, 352-357.	1.5	9
49	Complex Networks Approach for Analyzing the Correlation of Traditional Chinese Medicine Syndrome Evolvement and Cardiovascular Events in Patients with Stable Coronary Heart Disease. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-6.	0.5	9
50	Identification of herbal categories active in pain disorder subtypes by machine learning help reveal novel molecular mechanisms of algisia. Pharmacological Research, 2020, 156, 104797.	3.1	9
51	A network-based machine-learning framework to identify both functional modules and disease genes. Human Genetics, 2021, 140, 897-913.	1.8	9
52	Using link topic model to analyze traditional Chinese Medicine Clinical symptom-herb regularities. , 2012, , .		8
53	Overlapping functional modules detection in PPI network with pair-wise constrained non-negative matrix tri-factorisation. IET Systems Biology, 2018, 12, 45-54.	0.8	8
54	Heterogeneous network propagation for herb target identification. BMC Medical Informatics and Decision Making, 2018, 18, 17.	1.5	7

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55	TCMPR: TCM Prescription Recommendation Based on Subnetwork Term Mapping and Deep Learning. BioMed Research International, 2022, 2022, 1-12.	0.9	7
56	PaReCat. , 2016, , .		6
57	Symptom network topological features predict the effectiveness of herbal treatment for pediatric cough. Frontiers of Medicine, 2020, 14, 357-367.	1.5	6
58	Enhanced data extraction, transforming and loading processing for Traditional Chinese Medicine clinical data warehouse. , 2012, , .		5
59	Disease phenotype synonymous prediction through network representation learning from PubMed database. Artificial Intelligence in Medicine, 2020, 102, 101745.	3.8	5
60	Prediction of the Network Pharmacology-Based Mechanism for Attenuation of Atherosclerosis in Apolipoprotein E Knockout Mice by <i>Panax notoginseng</i> Saponins. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-11.	0.5	5
61	A MDP solution for Traditional Chinese medicine treatment planning. , 2010, , .		4
62	Experience inheritance from famous specialists based on real-world clinical research paradigm of traditional Chinese medicine. Frontiers of Medicine, 2014, 8, 300-309.	1.5	4
63	Identifying Protein Complexes With Clear Module Structure Using Pairwise Constraints in Protein Interaction Networks. Frontiers in Genetics, 2021, 12, 664786.	1.1	4
64	SNFM: A semi-supervised NMF algorithm for detecting biological functional modules. Mathematical Biosciences and Engineering, 2019, 16, 1933-1948.	1.0	4
65	Link Prediction based on Tensor Decomposition for the Knowledge Graph of COVID-19 Antiviral Drug. Data Intelligence, 2022, 4, 134-148.	0.8	4
66	HFCFNet: A hybrid feature cross fusion network for COVID-19 lesion segmentation from CT volumetric images. Medical Physics, 2022, 49, 3797-3815.	1.6	4
67	TCMPR: TCM Prescription recommendation based on subnetwork term mapping and deep learning. , 2021, , .		4
68	Development of large-scale TCM corpus using hybrid named entity recognition methods for clinical phenotype detection: An initial study. , 2014, , .		3
69	Similarity-based algorithms for Disease Terminology Mapping. , 2016, , .		3
70	A Clustering Based Transfer Function for Volume Rendering Using Gray-Gradient Mode Histogram. IEEE Access, 2019, 7, 80737-80747.	2.6	3
71	Data Mining in Real-World Traditional Chinese Medicine Clinical Data Warehouse. , 2014, , 189-213.		3
72	An Uncertainty-Based Belief Selection Method for POMDP Value Iteration. Lecture Notes in Computer Science, 2009, , 841-849.	1.0	3

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73	Diversity and molecular network patterns of symptom phenotypes. Npj Systems Biology and Applications, 2021, 7, 41.	1.4	3
74	Phenonizer: A Fine-Grained Phenotypic Named Entity Recognizer for Chinese Clinical Texts. BioMed Research International, 2022, 2022, 1-12.	0.9	3
75	Network Analysis for Core Herbal Combination Knowledge Discovery from Clinical Chinese Medical Formulae. , 2009, , .		2
76	Analysis of synergistic and antagonistic effects of TCM: Cases on diabetes and insomnia. , 2010, , .		2
77	Multiscale backbone based network comparison algorithm for effective herbal interaction analysis. , 2011, , .		2
78	Multidimensional analysis for Traditional Chinese Medicine diagnosis and treatment on hepatitis diseases. , 2012, , .		2
79	Optimizing Prescription of Chinese Herbal Medicine for Unstable Angina Based on Partially Observable Markov Decision Process. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-6.	0.5	2
80	Regularity of herbal formulae for HIV/AIDS patients with syndromes based on complex networks. , 2014, , .		2
81	Network-based detection of disease modules and potential drug targets in intractable epilepsy. , 2014, , .		2
82	HEMnet. , 2017, , .		2
83	Longitudinal clinical trajectory analysis of individuals before and after diagnosis of Type 2 Diabetes Mellitus (T2DM) indicates that vascular problems start early. International Journal of Clinical Practice, 2021, 75, e14695.	0.8	2
84	Network-based gene prediction for TCM symptoms. , 2020, , .		2
85	Empirical study on treatment of Coronary Heart Disease with famous doctors' method of regulating spleen and stomach based on simplified point-wise mutual information. , 2010, , .		1
86	Clinical data preprocessing and case studies of POMDP for TCM treatment knowledge discovery. , 2012, , .		1
87	Real-world clinical data mining on TCM clinical diagnosis and treatment: A survey. , 2012, , .		1
88	Discussion of solutions to ethical issues in real-world study. Frontiers of Medicine, 2014, 8, 316-320.	1.5	1
89	Methods and technologies of traditional Chinese medicine clinical information datamation in real world. , 2014, , .		1
90	Design and implementation of a multi-label Chinese text categorization system. , 0, , .		0

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91	Studying herb-herb interaction for insomnia through the theory of complementarities. , 2010, , .		0
92	Co-evolutionary genetic algorithm in symptom-herb relationship discovery. , 2011, , .		0
93	Integrating phenotype-genotype data for prioritization of candidate symptom genes. , 2013, , .		0
94	Frequent itemsets compressing based on minimum cover: An efficient method for mining medication law of Chinese herbs. , 2013, , .		0
95	Complex network approach for analyzing TCM clinical herb-symptom relationships. , 2013, , .		0
96	Modelling traditional Chinese medicine therapy planning with POMDP. International Journal of Functional Informatics and Personalised Medicine, 2013, 4, 145.	0.4	0
97	Integrating herb effect similarity for network-based herb target prediction. , 2015, , .		0
98	Overlapping Functional Modules Detection in PPI Network with Pairwise Constrained Nonnegative Matrix Tri-Factorization. , 2017, , .		0
99	Discovery of Xuantoujiedu Decoction and its Molecular Mechanisms Using Integrated Network Analysis. , 2018, , .		0
100	Topological Analysis of the Language Networks of Ancient Traditional Chinese Medicine Books. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-10.	0.5	0
101	AIM in Alternative Medicine. , 2021, , 1-16.		0
102	AIM in Alternative Medicine. , 2022, , 1247-1262.		0
103	Phenonizer: A fine-grained phenotypic named entity recognizer for Chinese clinical texts. , 2021, , .		0