

Jing Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

2,318
citations

236925

25
h-index

233421

45
g-index

98
all docs

98
docs citations

98
times ranked

3010
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular networks for the study of TCM Pharmacology. <i>Briefings in Bioinformatics</i> , 2010, 11, 417-430.	6.5	186
2	Piezotronic Graphene Artificial Sensory Synapse. <i>Advanced Functional Materials</i> , 2019, 29, 1900959.	14.9	147
3	Computational network biology: Data, models, and applications. <i>Physics Reports</i> , 2020, 846, 1-66.	25.6	126
4	Hierarchical modularity of nested bow-ties in metabolic networks. <i>BMC Bioinformatics</i> , 2006, 7, 386.	2.6	103
5	Mechanoplastic Tribotronic Floating-gate Neuromorphic Transistor. <i>Advanced Functional Materials</i> , 2020, 30, 2002506.	14.9	103
6	The gene expression profiles in response to 102 traditional Chinese medicine (TCM) components: a general template for research on TCMs. <i>Scientific Reports</i> , 2017, 7, 352.	3.3	102
7	Systems pharmacological study illustrates the immune regulation, anti-infection, anti-inflammation, and multi-organ protection mechanism of Qing-Fei-Pai-Du decoction in the treatment of COVID-19. <i>Phytomedicine</i> , 2021, 85, 153315.	5.3	100
8	Prediction of Links and Weights in Networks by Reliable Routes. <i>Scientific Reports</i> , 2015, 5, 12261.	3.3	79
9	A network-based method for mechanistic investigation of Shexiang Baixin Pill's treatment of cardiovascular diseases. <i>Scientific Reports</i> , 2017, 7, 43632.	3.3	74
10	Ranking Candidate Disease Genes from Gene Expression and Protein Interaction: A Katz-Centrality Based Approach. <i>PLoS ONE</i> , 2011, 6, e24306.	2.5	70
11	Therapeutic Effects of Astragaloside IV on Myocardial Injuries: Multi-Target Identification and Network Analysis. <i>PLoS ONE</i> , 2012, 7, e44938.	2.5	62
12	Computational systems pharmacology reveals an antiplatelet and neuroprotective mechanism of Deng-Zhan-Xi-Xin injection in the treatment of ischemic stroke. <i>Pharmacological Research</i> , 2019, 147, 104365.	7.1	59
13	Exploring the assortativity-clustering space of a network's degree sequence. <i>Physical Review E</i> , 2007, 75, 046111.	2.1	58
14	Modular co-evolution of metabolic networks. <i>BMC Bioinformatics</i> , 2007, 8, 311.	2.6	56
15	Exploring the mechanism of TCM formulae in the treatment of different types of coronary heart disease by network pharmacology and machine learning. <i>Pharmacological Research</i> , 2020, 159, 105034.	7.1	56
16	The inhibitory activities of the components of Huang-Lian-Jie-Du-Tang (HLJDT) on eicosanoid generation via lipoxygenase pathway. <i>Journal of Ethnopharmacology</i> , 2011, 135, 561-568.	4.1	52
17	Complex networks theory for analyzing metabolic networks. <i>Science Bulletin</i> , 2006, 51, 1529-1537.	1.7	44
18	SIRT7 depletion inhibits cell proliferation and androgen-induced autophagy by suppressing the AR signaling in prostate cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 28.	8.6	43

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19	Traditional Chinese medicine integrated with chemotherapy for stage IV non-surgical gastric cancer: a retrospective clinical analysis. <i>Journal of Integrative Medicine</i> , 2017, 15, 469-475.	3.1	42
20	The Network Organization of Cancer-associated Protein Complexes in Human Tissues. <i>Scientific Reports</i> , 2013, 3, 1583.	3.3	37
21	Loss of exosomal miR-146a-5p from cancer-associated fibroblasts after androgen deprivation therapy contributes to prostate cancer metastasis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 282.	8.6	36
22	Towards a bioinformatics analysis of anti-Alzheimer's herbal medicines from a target network perspective. <i>Briefings in Bioinformatics</i> , 2013, 14, 327-343.	6.5	28
23	RNA-binding protein Musashi2 stabilizing androgen receptor drives prostate cancer progression. <i>Cancer Science</i> , 2020, 111, 369-382.	3.9	28
24	Tree of Life Based on Genome Context Networks. <i>PLoS ONE</i> , 2008, 3, e3357.	2.5	26
25	Topological Structure of Urban Street Networks from the Perspective of Degree Correlations. <i>Environment and Planning B: Planning and Design</i> , 2014, 41, 813-828.	1.7	26
26	Valeriana jatamansi Constituent IVHD-valtrate As a Novel Therapeutic Agent to Human Ovarian Cancer: in vitro and in vivo Activities and Mechanisms. <i>Current Cancer Drug Targets</i> , 2013, 13, 472-483.	1.6	25
27	Treatment of Human B-Cell Lymphomas Using Minicircle DNA Vector Expressing Anti-CD3/CD20 in a Mouse Model. <i>Human Gene Therapy</i> , 2017, 28, 216-225.	2.7	24
28	Bioinformatics Analysis for the Antirheumatic Effects of Huang-Lian-Jie-Du-Tang from a Network Perspective. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-11.	1.2	23
29	A survey of web resources and tools for the study of TCM network pharmacology. <i>Quantitative Biology</i> , 2019, 7, 17-29.	0.5	21
30	Astragaloside IV Attenuates Glutamate-Induced Neurotoxicity in PC12 Cells through Raf-MEK-ERK Pathway. <i>PLoS ONE</i> , 2015, 10, e0126603.	2.5	20
31	Exogenous sodium fumarate enhances astaxanthin accumulation in <i>Haematococcus pluvialis</i> by enhancing the respiratory metabolic pathway. <i>Bioresource Technology</i> , 2021, 341, 125788.	9.6	20
32	Bow-tie topological features of metabolic networks and the functional significance. <i>Science Bulletin</i> , 2007, 52, 1036-1045.	1.7	19
33	Network pharmacology-based identification for therapeutic mechanism of Ling-Gui-Zhu-Gan decoction in the metabolic syndrome induced by antipsychotic drugs. <i>Computers in Biology and Medicine</i> , 2019, 110, 1-7.	7.0	19
34	Natural Nano-Drug Delivery System in <i>Coptidis Rhizoma</i> Extract with Modified Berberine Hydrochloride Pharmacokinetics. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 6297-6311.	6.7	18
35	The effects of degree correlations on network topologies and robustness. <i>Chinese Physics B</i> , 2007, 16, 3571-3580.	1.3	17
36	Identification of Molecular Target Proteins in Berberine-treated Cervix Adenocarcinoma HeLa Cells by Proteomic and Bioinformatic Analyses. <i>Phytotherapy Research</i> , 2012, 26, 646-656.	5.8	16

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37	Graphene Synapses: Piezotronic Graphene Artificial Sensory Synapse (Adv. Funct. Mater. 41/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970286.	14.9	16
38	Sex difference in cognitive impairment in drug-free schizophrenia: Association with miR-195 levels. <i>Psychoneuroendocrinology</i> , 2020, 119, 104748.	2.7	16
39	Reconstruction and Analysis of Human Liver-Specific Metabolic Network Based on CNHLPP Data. <i>Journal of Proteome Research</i> , 2010, 9, 1648-1658.	3.7	15
40	Compound Dan Zhi tablet attenuates experimental ischemic stroke via inhibiting platelet activation and thrombus formation. <i>Phytomedicine</i> , 2020, 79, 153330.	5.3	15
41	Quality evaluation of <i>Salvia miltiorrhiza</i> from different geographical origins in China based on qualitative and quantitative saccharide mapping and chemometrics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 191, 113583.	2.8	15
42	The interaction of NOS1AP , DISC1 , DAOA , and GSK3B confers susceptibility of early-onset schizophrenia in Chinese Han population. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 81, 187-193.	4.8	14
43	Self-assembled dual-modality contrast agents for non-invasive stem cell tracking via near-infrared fluorescence and magnetic resonance imaging. <i>Journal of Colloid and Interface Science</i> , 2016, 478, 217-226.	9.4	13
44	TMPRSS2:ERG fusion gene occurs less frequently in Chinese patients with prostate cancer. <i>Tumor Biology</i> , 2016, 37, 12397-12402.	1.8	13
45	Systems Biology Analysis of the Effect and Mechanism of Qi-Jing-Sheng-Bai Granule on Leucopenia in Mice. <i>Frontiers in Pharmacology</i> , 2019, 10, 408.	3.5	13
46	Integrated hepatic single-cell RNA sequencing and untargeted metabolomics reveals the immune and metabolic modulation of Qing-Fei-Pai-Du decoction in mice with coronavirus-induced pneumonia. <i>Phytomedicine</i> , 2022, 97, 153922.	5.3	13
47	FOXA1 promotes prostate cancer angiogenesis by inducing multiple pro-angiogenic factors expression. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 3225-3243.	2.5	12
48	Network evolution model for supply chain with manufactures as the core. <i>PLoS ONE</i> , 2018, 13, e0191180.	2.5	12
49	LXA4 enhances prostate cancer progression by facilitating M2 macrophage polarization via inhibition of METTL3. <i>International Immunopharmacology</i> , 2022, 107, 108586.	3.8	12
50	Gene gravity-like algorithm for disease gene prediction based on phenotype-specific network. <i>BMC Systems Biology</i> , 2017, 11, 121.	3.0	11
51	Insights into the pathogenesis of axial spondyloarthritis from network and pathway analysis. <i>BMC Systems Biology</i> , 2012, 6, S4.	3.0	9
52	Network Pharmacology Integrated Molecular Docking Reveals the Mechanism of Anisodamine Hydrobromide Injection against Novel Coronavirus Pneumonia. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-11.	1.2	9
53	LMO2 upregulation due to AR deactivation in cancer-associated fibroblasts induces non-cell-autonomous growth of prostate cancer after androgen deprivation. <i>Cancer Letters</i> , 2021, 503, 138-150.	7.2	9
54	Case Report. <i>Medicine (United States)</i> , 2016, 95, e2415.	1.0	8

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55	A game-theoretic approach to optimize ad hoc networks inspired by small-world network topology. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 494, 129-139.	2.6	8
56	Activation of the RhoA/ROCK pathway contributes to renal fibrosis in offspring rats induced by maternal exposure to di-n-butyl phthalate. <i>Toxicology</i> , 2020, 443, 152573.	4.2	8
57	Serum proteomic analysis reveals the cardioprotective effects of Shexiang Baoxin Pill and Suxiao Jiuxin Pill in a rat model of acute myocardial infarction. <i>Journal of Ethnopharmacology</i> , 2022, 293, 115279.	4.1	8
58	A multiomics and network pharmacological study reveals the neuroprotective efficacy of Fu-Fang-Dan-Zhi tablets against glutamate-induced oxidative cell death. <i>Computers in Biology and Medicine</i> , 2022, 148, 105873.	7.0	8
59	Comparative Analysis of Two-component Signal Transduction System in Two Streptomyces Genomes. <i>Acta Biochimica Et Biophysica Sinica</i> , 2007, 39, 317-325.	2.0	6
60	The integration of weighted gene association networks based on information entropy. <i>PLoS ONE</i> , 2017, 12, e0190029.	2.5	6
61	Differentially expressed genes in PPAR β -deficient MSCs. <i>Molecular and Cellular Endocrinology</i> , 2018, 471, 97-104.	3.2	6
62	The integration of weighted human gene association networks based on link prediction. <i>BMC Systems Biology</i> , 2017, 11, 12.	3.0	5
63	Systems Study on the Antirheumatic Mechanism of Tibetan Medicated-Bath Therapy Using Wuwei-Ganlu-Yaoyu-Keli. <i>BioMed Research International</i> , 2017, 2017, 1-10.	1.9	5
64	The application of degree related clustering coefficient in estimating the link predictability and predicting missing links of networks. <i>Chaos</i> , 2019, 29, 053135.	2.5	5
65	Effect of group cognitive-behavioral therapy on the quality of life and social functioning of patients with mild depression. <i>Shanghai Archives of Psychiatry</i> , 2016, 28, 18-27.	0.7	5
66	Recognition of Gene Acceptor Site Based on Multi-objective Optimization. <i>Acta Biochimica Et Biophysica Sinica</i> , 2005, 37, 435-439.	2.0	4
67	Simulation of Novel NEMS Contact Switch Using MRTD with Alterable Steps. <i>Journal of Nanotechnology</i> , 2010, 2010, 1-4.	3.4	4
68	Analysis of Cynandione A's Anti-Ischemic Stroke Effects from Pathways and Protein-Protein Interactome. <i>PLoS ONE</i> , 2015, 10, e0124632.	2.5	4
69	A fault-tolerant small world topology control model in ad hoc networks for search and rescue. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 467-476.	2.1	4
70	The roles of the TLR/NF κ B signaling pathway in the mutual interactions between the lung and the large intestine. <i>Molecular Medicine Reports</i> , 2018, 18, 1387-1394.	2.4	4
71	Integrated Metabolomics and Network Pharmacology Revealed Hong-Hua-Xiao-Yao Tablet's Effect of Mediating Hormone Synthesis in the Treatment of Mammary Gland Hyperplasia. <i>Frontiers in Pharmacology</i> , 2022, 13, 788019.	3.5	4
72	VPS28 regulates brain vasculature by controlling neuronal VEGF trafficking through extracellular vesicle secretion. <i>IScience</i> , 2022, 25, 104042.	4.1	4

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73	Protein Secondary Structure Prediction Using Dynamic Programming. <i>Acta Biochimica Et Biophysica Sinica</i> , 2005, 37, 167-172.	2.0	3
74	MicroRNA-195 predicts olanzapine response in drug-free patients with schizophrenia: A prospective cohort study. <i>Journal of Psychopharmacology</i> , 2021, 35, 23-30.	4.0	3
75	Inverse Association Between Iodine Status and Prevalence of Metabolic Syndrome: A Cross-Sectional Population-Based Study in a Chinese Moderate Iodine Intake Area. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 3691-3701.	2.4	3
76	Peptidomic Analysis of Neonate Umbilical Cord Blood for the Identification of Endogenous Peptides Involved in Hypoxic-Ischemic Encephalopathy. <i>Frontiers in Pediatrics</i> , 2021, 9, 718704.	1.9	3
77	3D representation of acupoints based on the Visible Human. , 0, , .		2
78	Strategy for Modern Research of Traditional Chinese Medicine Formulae. , 2018, , 3-18.		2
79	Formation and Growth Behavior Analysis of Slagging Rings in Rotary Kiln-Type Hazardous Waste Incineration Systems. <i>Energies</i> , 2021, 14, 7561.	3.1	2
80	Emerging Fatal Ib/CC12 Hypervirulent Multiresistant <i>Streptococcus agalactiae</i> in Young Infants With Bloodstream Infection in China. <i>Frontiers in Microbiology</i> , 2021, 12, 767803.	3.5	2
81	The Association between Physical Activity and Cognitive Function: Data from the China Health and Nutrition Survey. <i>Behavioural Neurology</i> , 2022, 2022, 1-12.	2.1	2
82	A comparison of three weighted human gene functional association networks. , 2012, , .		1
83	Degree-adjusted algorithm for prioritisation of candidate disease genes from gene expression and protein interactome. <i>IET Systems Biology</i> , 2014, 8, 41-46.	1.5	1
84	Network-based study on the relationship between arms exports and foreign policies. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 194-204.	2.6	1
85	Network Pharmacology in the Study of TCM Formulae. , 2018, , 69-95.		1
86	Clinical Implications of Peripheral CD3+CD69+ T-Cell And CD8+CD28+ T-Cell Proportions in Patients Prior to Radical Prostatectomy. <i>Urology Journal</i> , 2020, 17, 257-261.	0.4	1
87	TRAINING ALGORITHM OF ONE FEEDFORWARD WAVELET NEURAL NETWORK. , 2004, , .		0
88	Pathogenesis of axial spondyloarthritis in a network perspective. , 2011, , .		0
89	Anti-rheumatic effects of <i>Tripterygium wilfordii</i> Hook F in a network perspective. , 2013, , .		0
90	Finite Element Analysis and Experimental Test of a High Efficiency Voice Coil Motor with Halbach Array Permanent Magnets. <i>Applied Mechanics and Materials</i> , 2014, 494-495, 1354-1357.	0.2	0

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91	Network based study for the anti-rheumatic mechanism of Tibetan medicated-bath therapy. , 2016, , .		0
92	Decomposition Temperature of Cold Seep Carbonate and its Relationship with Delta Carbonate. Acta Geologica Sinica, 2016, 90, 2271-2272.	1.4	0
93	Network Pharmacology Study of the Shexiang Baoxin Pill. , 2018, , 255-357.		0
94	Network Pharmacology and Modern Drug R&D Cases. , 2021, , 247-320.		0
95	Association of schizophrenia with the rs821633 polymorphism in the DISC1 gene among Han Chinese. Shanghai Archives of Psychiatry, 2015, 27, 348-55.	0.7	0