

Qingpeng Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

134
papers

3,300
citations

218381

26
h-index

214527

47
g-index

180
all docs

180
docs citations

180
times ranked

3270
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing the Propagation of Situational Information in Social Media During COVID-19 Epidemic: A Case Study on Weibo. <i>IEEE Transactions on Computational Social Systems</i> , 2020, 7, 556-562.	3.2	329
2	Big Data for Social Transportation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, 17, 620-630.	4.7	182
3	Artificial Intelligence for infectious disease Big Data Analytics. <i>Infection, Disease and Health</i> , 2019, 24, 44-48.	0.5	152
4	Crowdsourcing in ITS: The State of the Work and the Networking. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, 17, 1596-1605.	4.7	92
5	E-LSTM-D: A Deep Learning Framework for Dynamic Network Link Prediction. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 3699-3712.	5.9	92
6	Deep attributed network representation learning of complex coupling and interaction. <i>Knowledge-Based Systems</i> , 2021, 212, 106618.	4.0	89
7	Equitable access to COVID-19 vaccines makes a life-saving difference to all countries. <i>Nature Human Behaviour</i> , 2022, 6, 207-216.	6.2	85
8	Forecasting influenza in Hong Kong with Google search queries and statistical model fusion. <i>PLoS ONE</i> , 2017, 12, e0176690.	1.1	80
9	A Study of the Human Flesh Search Engine: Crowd-Powered Expansion of Online Knowledge. <i>Computer</i> , 2010, 43, 45-53.	1.2	78
10	Characterizing information propagation patterns in emergencies: A case study with Yiliang Earthquake. <i>International Journal of Information Management</i> , 2018, 38, 34-41.	10.5	73
11	Predictions of diabetes complications and mortality using hba1c variability: a 10-year observational cohort study. <i>Acta Diabetologica</i> , 2021, 58, 171-180.	1.2	73
12	Imbalanced text sentiment classification using universal and domain-specific knowledge. <i>Knowledge-Based Systems</i> , 2018, 160, 1-15.	4.0	67
13	Information Diffusion on Social Media During Natural Disasters. <i>IEEE Transactions on Computational Social Systems</i> , 2018, 5, 265-276.	3.2	59
14	Glycemic and lipid variability for predicting complications and mortality in diabetes mellitus using machine learning. <i>BMC Endocrine Disorders</i> , 2021, 21, 94.	0.9	58
15	Machine learning versus conventional clinical methods in guiding management of heart failure patients—a systematic review. <i>Heart Failure Reviews</i> , 2021, 26, 23-34.	1.7	57
16	Social Media-based Conversational Agents for Health Management and Interventions. <i>Computer</i> , 2018, 51, 26-33.	1.2	50
17	Proton pump inhibitor or famotidine use and severe COVID-19 disease: a propensity score-matched territory-wide study. <i>Gut</i> , 2021, 70, 2012-2013.	6.1	48
18	Semantically Enhanced Medical Information Retrieval System: A Tensor Factorization Based Approach. <i>IEEE Access</i> , 2017, 5, 7584-7593.	2.6	47

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19	Using search engine big data for predicting new HIV diagnoses. PLoS ONE, 2018, 13, e0199527.	1.1	44
20	Sodium-Glucose Cotransporter 2 (SGLT2) Inhibitors vs. Dipeptidyl Peptidase-4 (DPP4) Inhibitors for New-Onset Dementia: A Propensity Score-Matched Population-Based Study With Competing Risk Analysis. Frontiers in Cardiovascular Medicine, 2021, 8, 747620.	1.1	43
21	Understanding Online Health Groups for Depression: Social Network and Linguistic Perspectives. Journal of Medical Internet Research, 2016, 18, e63.	2.1	41
22	Effect of sodium-glucose cotransporter-2 inhibitors on cardiac remodelling: a systematic review and meta-analysis. European Journal of Preventive Cardiology, 2022, 28, 1961-1973.	0.8	37
23	Consumer preference analysis: A data-driven multiple criteria approach integrating online information. Omega, 2020, 96, 102074.	3.6	36
24	Multi-modality machine learning approach for risk stratification in heart failure with left ventricular ejection fraction $\leq 45\%$. ESC Heart Failure, 2020, 7, 3716-3725.	1.4	36
25	Territory-wide cohort study of Brugada syndrome in Hong Kong: predictors of long-term outcomes using random survival forests and non-negative matrix factorisation. Open Heart, 2021, 8, e001505.	0.9	33
26	Incorporating Latent Variables Using Nonnegative Matrix Factorization Improves Risk Stratification in Brugada Syndrome. Journal of the American Heart Association, 2020, 9, e012714.	1.6	28
27	Association of NPAC score with survival after acute myocardial infarction. Atherosclerosis, 2020, 301, 30-36.	0.4	28
28	Understanding Crowd-Powered Search Groups: A Social Network Perspective. PLoS ONE, 2012, 7, e39749.	1.1	28
29	Data science approaches to confronting the COVID-19 pandemic: a narrative review. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210127.	1.6	28
30	Comparison of Sodium-Glucose Cotransporter-2 Inhibitor and Dipeptidyl Peptidase-4 Inhibitor on the Risks of New-Onset Atrial Fibrillation, Stroke and Mortality in Diabetic Patients: A Propensity Score-Matched Study in Hong Kong. Cardiovascular Drugs and Therapy, 2023, 37, 561-569.	1.3	28
31	Effect of heterogeneous risk perception on information diffusion, behavior change, and disease transmission. Physical Review E, 2020, 102, 042314.	0.8	27
32	Predictive scores for identifying patients with type 2 diabetes mellitus at risk of acute myocardial infarction and sudden cardiac death. Endocrinology, Diabetes and Metabolism, 2021, 4, e00240.	1.0	27
33	GraphSynergy: a network-inspired deep learning model for anticancer drug combination prediction. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 2336-2345.	2.2	27
34	Development of a multivariable prediction model for severe COVID-19 disease: a population-based study from Hong Kong. Npj Digital Medicine, 2021, 4, 66.	5.7	26
35	Individualized prediction of depressive disorder in the elderly: A multitask deep learning approach. International Journal of Medical Informatics, 2019, 132, 103973.	1.6	24
36	Compliance with Standard Precautions and Its Relationship with Views on Infection Control and Prevention Policy among Healthcare Workers during COVID-19 Pandemic. International Journal of Environmental Research and Public Health, 2021, 18, 3420.	1.2	24

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37	Territory-Wide Chinese Cohort of Long QT Syndrome: Random Survival Forest and Cox Analyses. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 608592.	1.1	23
38	Identification of important risk factors for all-cause mortality of acquired long QT syndrome patients using random survival forests and non-negative matrix factorization. <i>Heart Rhythm</i> , 2021, 18, 426-433.	0.3	22
39	Relationship between angiotensin-converting enzyme inhibitors or angiotensin receptor blockers and COVID-19 incidence or severe disease. <i>Journal of Hypertension</i> , 2021, 39, 1717-1724.	0.3	22
40	Cascading Failure in Multiple Critical Infrastructure Interdependent Networks of Syncretic Railway System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 5740-5753.	4.7	22
41	Using internet search data to predict new HIV diagnoses in China: a modelling study. <i>BMJ Open</i> , 2018, 8, e018335.	0.8	21
42	Derivation of an electronic frailty index for predicting short-term mortality in heart failure: a machine learning approach. <i>ESC Heart Failure</i> , 2021, 8, 2837-2845.	1.4	21
43	Incident heart failure and myocardial infarction in sodium-glucose cotransporter-2 vs. dipeptidyl peptidase-4 inhibitor users. <i>ESC Heart Failure</i> , 2022, 9, 1388-1399.	1.4	20
44	Optimizing HIV Interventions for Multiplex Social Networks via Partition-Based Random Search. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 3411-3419.	6.2	19
45	Smooth Bayesian network model for the prediction of future high-cost patients with COPD. <i>International Journal of Medical Informatics</i> , 2019, 126, 147-155.	1.6	19
46	Paediatric/young versus adult patients with long QT syndrome. <i>Open Heart</i> , 2021, 8, e001671.	0.9	19
47	Characterizing the Connectivity of Railway Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 1491-1502.	4.7	18
48	Using Baidu search index to monitor and predict newly diagnosed cases of HIV/AIDS, syphilis and gonorrhoea in China: estimates from a vector autoregressive (VAR) model. <i>BMJ Open</i> , 2020, 10, e036098.	0.8	18
49	Semantic Social Network Analysis by Cross-Domain Tensor Factorization. <i>IEEE Transactions on Computational Social Systems</i> , 2017, 4, 207-217.	3.2	18
50	Outcomes in Brugada Syndrome Patients With Implantable Cardioverter-Defibrillators: Insights From the SGLT2 Registry. <i>Frontiers in Physiology</i> , 2020, 11, 204.	1.3	17
51	The impact of non-pharmaceutical interventions on the prevention and control of COVID-19 in New York City. <i>Chaos</i> , 2021, 31, 021101.	1.0	17
52	Development of a predictive risk model for all-cause mortality in patients with diabetes in Hong Kong. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e001950.	1.2	17
53	High visit-to-visit cholesterol variability predicts heart failure and adverse cardiovascular events: a population-based cohort study. <i>European Journal of Preventive Cardiology</i> , 2022, 29, e323-e325.	0.8	17
54	Developing an early warning system of suicide using Google Trends and media reporting. <i>Journal of Affective Disorders</i> , 2019, 255, 41-49.	2.0	16

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55	P-Wave Area Predicts New Onset Atrial Fibrillation in Mitral Stenosis: A Machine Learning Approach. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 479.	2.0	16
56	Anticoagulant or antiplatelet use and severe COVID-19 disease: A propensity score-matched territory-wide study. <i>Pharmacological Research</i> , 2021, 165, 105473.	3.1	16
57	Research leadership flow determinants and the role of proximity in research collaborations. <i>Journal of the Association for Information Science and Technology</i> , 2020, 71, 1341-1356.	1.5	15
58	Characterizing research leadership on geographically weighted collaboration network. <i>Scientometrics</i> , 2021, 126, 4005-4037.	1.6	14
59	Proximity-aware research leadership recommendation in research collaboration via deep neural networks. <i>Journal of the Association for Information Science and Technology</i> , 2022, 73, 70-89.	1.5	14
60	Detecting suicide risk using knowledge-aware natural language processing and counseling service data. <i>Social Science and Medicine</i> , 2021, 283, 114176.	1.8	14
61	The impact of malicious nodes on the spreading of false information. <i>Chaos</i> , 2020, 30, 083101.	1.0	13
62	25 Years of Collaborations in IEEE Intelligent Systems. <i>IEEE Intelligent Systems</i> , 2010, 25, 67-75.	4.0	12
63	Brokers or Bridges? Exploring Structural Holes in a Crowdsourcing System. <i>Computer</i> , 2016, 49, 56-64.	1.2	12
64	A nonparametric Bayesian modeling approach for heterogeneous lifetime data with covariates. <i>Reliability Engineering and System Safety</i> , 2017, 167, 95-104.	5.1	12
65	Modeling the Intervention of HIV Transmission across Intertwined Key Populations. <i>Scientific Reports</i> , 2018, 8, 2432.	1.6	12
66	Fuzzy factorization machine. <i>Information Sciences</i> , 2021, 546, 1135-1147.	4.0	12
67	Interaction effects between angiotensin-converting enzyme inhibitors or angiotensin receptor blockers and steroid or antiviral therapies in COVID-19: A population-based study. <i>Journal of Medical Virology</i> , 2021, 93, 2635-2641.	2.5	12
68	Drug Repurposing for the Treatment of COVID-19: A Knowledge Graph Approach. <i>Advanced Therapeutics</i> , 2021, 4, 2100055.	1.6	12
69	Influence of content and creator characteristics on sharing disaster-related information on social media. <i>Information and Management</i> , 2021, 58, 103489.	3.6	12
70	True and fake information spreading over the Facebook. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 505, 984-994.	1.2	11
71	Distributed Subgraph Matching on Big Knowledge Graphs Using Pregel. <i>IEEE Access</i> , 2019, 7, 116453-116464.	2.6	11
72	Temporal Variability in Electrocardiographic Indices in Subjects With Brugada Patterns. <i>Frontiers in Physiology</i> , 2020, 11, 953.	1.3	11

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73	Multi-parametric system for risk stratification in mitral regurgitation: A multi-task Gaussian prediction approach. <i>European Journal of Clinical Investigation</i> , 2020, 50, e13321.	1.7	11
74	Automated Electrocardiogram Analysis Identifies Novel Predictors of Ventricular Arrhythmias in Brugada Syndrome. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 618254.	1.1	11
75	Gender-specific clinical risk scores incorporating blood pressure variability for predicting incident dementia. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2022, 29, 335-347.	2.2	11
76	Route Selection of Multimodal Transport Based on China Railway Transportation. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-12.	0.9	11
77	KGVQL: A knowledge graph visual query language with bidirectional transformations. <i>Knowledge-Based Systems</i> , 2022, 250, 108870.	4.0	11
78	Evolution of the Chinese guarantee network under financial crisis and stimulus program. <i>Nature Communications</i> , 2020, 11, 2693.	5.8	10
79	Donald J. Trump's Presidency in Cyberspace: A Case Study of Social Perception and Social Influence in Digital Oligarchy Era. <i>IEEE Transactions on Computational Social Systems</i> , 2021, 8, 279-293.	3.2	10
80	The association between blood pressure variability and hip or vertebral fracture risk: A population-based study. <i>Bone</i> , 2021, 150, 116015.	1.4	10
81	Role of Asymptomatic COVID-19 Cases in Viral Transmission: Findings From a Hierarchical Community Contact Network Model. <i>IEEE Transactions on Automation Science and Engineering</i> , 2022, 19, 576-585.	3.4	9
82	Locally weighted factorization machine with fuzzy partition for elderly readmission prediction. <i>Knowledge-Based Systems</i> , 2022, 242, 108326.	4.0	9
83	Behavior Modeling of Internet Water Army in Online Forums. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 9858-9863.	0.4	8
84	The competitive information spreading over multiplex social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 503, 981-990.	1.2	8
85	Predicting post-discharge self-harm incidents using disease comorbidity networks: A retrospective machine learning study. <i>Journal of Affective Disorders</i> , 2020, 277, 402-409.	2.0	8
86	Adverse Cardiovascular Complications following prescription of programmed cell death 1 (PD-1) and programmed cell death ligand 1 (PD-L1) inhibitors: a propensity-score matched Cohort Study with competing risk analysis. <i>Cardio-Oncology</i> , 2022, 8, 5.	0.8	8
87	The Chinese "Human Flesh" Web: the first decade and beyond. <i>Science Bulletin</i> , 2014, 59, 3352-3361.	1.7	7
88	Semantic similarity between ontologies at different scales. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2016, 3, 132-140.	8.5	7
89	Reconstructing the social network of HIV key populations from locally observed information. <i>AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV</i> , 2023, 35, 1243-1250.	0.6	7
90	Social Networking on the World Wide Web. , 2014, , 1879-1892.		7

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91	Influence of Flavors on the Propagation of E-Cigarette-Related Information: Social Media Study. JMIR Public Health and Surveillance, 2018, 4, e27.	1.2	7
92	Knowledge-enhanced attentive learning for answer selection in community question answering systems. Knowledge-Based Systems, 2022, 250, 109117.	4.0	7
93	Analyzing the Flow of Trust in the Virtual World With Semantic Web Technologies. IEEE Transactions on Computational Social Systems, 2018, 5, 807-815.	3.2	6
94	Explainable Learning for Disease Risk Prediction Based on Comorbidity Networks. , 2019, , .		6
95	A Novel Spatiotemporal Behavior-Enabled Random Walk Strategy on Online Social Platforms. IEEE Transactions on Computational Social Systems, 2022, 9, 807-817.	3.2	6
96	Demand-driven spreading patterns of African swine fever in China. Chaos, 2021, 31, 061102.	1.0	6
97	Social Media Images as an Emerging Tool to Monitor Adherence to COVID-19 Public Health Guidelines: Content Analysis. Journal of Medical Internet Research, 2022, 24, e24787.	2.1	6
98	Internet search and medicaid prescription drug data as predictors of opioid emergency department visits. Npj Digital Medicine, 2021, 4, 21.	5.7	5
99	Complicating the Social Networks for Better Storytelling: An Empirical Study of Chinese Historical Text and Novel. IEEE Transactions on Computational Social Systems, 2021, 8, 754-767.	3.2	5
100	Sustainable targeted interventions to mitigate the COVID-19 pandemic: A big data-driven modeling study in Hong Kong. Chaos, 2021, 31, 101104.	1.0	5
101	Data science approaches to infectious disease surveillance. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210115.	1.6	5
102	Hip fractures risks in edoxaban versus warfarin users: A propensity score-matched population-based cohort study with competing risk analyses. Bone, 2022, 156, 116303.	1.4	5
103	A Prototype of the Next-Generation Journal System for ITS: Academic Social Networking and Media Based on Web 3.0. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 1078-1087.	4.7	4
104	Exploration in web science. , 2013, , .		4
105	Characterizing the Evolution of Social Computing Research. IEEE Intelligent Systems, 2014, 29, 48-56.	4.0	4
106	Temporal prediction of in-hospital falls using tensor factorisation. BMJ Innovations, 2018, 4, 75-83.	1.0	4
107	Optimal vaccination program for two infectious diseases with cross-immunity spreading on a network. Europhysics Letters, 2021, 133, 46001.	0.7	4
108	Delete or Not: A Game-Theoretical Model for Soft Censorship of Rumor. Risk Analysis, 2021, 41, 1840-1859.	1.5	4

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109	Gender- and Age-Specific Associations of Visit-to-Visit Blood Pressure Variability With Anxiety. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 650852.	1.1	4
110	Development of an Electronic Frailty Index for Predicting Mortality and Complications Analysis in Pulmonary Hypertension Using Random Survival Forest Model. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	4
111	Benefits of COVID-19 non-pharmaceutical interventions on the prevention of other notifiable infectious diseases. <i>The Lancet Regional Health - Western Pacific</i> , 2021, 17, 100303.	1.3	3
112	Optimal resource allocation in HIV self-testing secondary distribution among Chinese MSM: data-driven integer programming models. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20210128.	1.6	3
113	Clinical characteristics, risk factors and outcomes of cancer patients with COVID-19: A population-based study. <i>Cancer Medicine</i> , 2023, 12, 287-296.	1.3	3
114	A Dissemination Model Based on Psychological Theories in Complex Social Networks. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2022, 14, 519-531.	2.6	2
115	What Is the Uniqueness of Growth Pattern in Human Flesh Search Organization?. <i>Lecture Notes in Computer Science</i> , 2013, , 75-81.	1.0	2
116	Social Dynamics of the Online Health Communities for Mental Health. <i>Lecture Notes in Computer Science</i> , 2016, , 267-277.	1.0	2
117	An online advertising intervention to increase adherence to stay-at-home-orders during the COVID-19 pandemic: An efficacy trial monitoring individual-level mobility data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 108, 102752.	1.4	2
118	Field-aware attentive neural factorization with fuzzy mutual information for company investment valuation. <i>Information Sciences</i> , 2022, 600, 43-58.	4.0	2
119	Impacts of Export Restrictions on the Global Personal Protective Equipment Trade Network During COVID-19. <i>Advanced Theory and Simulations</i> , 2022, 5, 2100352.	1.3	2
120	Mass Screening for Low Bone Density Using Basic Check-Up Items. <i>IEEE Transactions on Computational Social Systems</i> , 2023, 10, 2579-2586.	3.2	2
121	A Bibliographic Analysis of IEEE Intelligent Systems Publications. <i>IEEE Intelligent Systems</i> , 2010, 25, 59-66.	4.0	1
122	Understanding the Association Between Antidepressants and the Risk of Being Diagnosed with Dementia in Older People: A Self-Controlled Case Series Study. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 735-744.	1.2	1
123	Information Source Estimation with Multi-Channel Graph Neural Network. <i>Big Data Management</i> , 2021, , 1-27.	0.9	1
124	Tensor Factorization-based Prediction with an Application to Estimate the Risk of Chronic Diseases. <i>IEEE Intelligent Systems</i> , 2021, , 1-1.	4.0	1
125	A Comorbidity Knowledge-Aware Model for Disease Prognostic Prediction. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 9809-9819.	6.2	1
126	Simulated Annealing and Crowd Dynamics Approaches for Intelligent Control. <i>Advances in Intelligent and Soft Computing</i> , 2009, , 501-506.	0.2	1

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127	Social Networking on the World Wide Web. , 2016, , 1-14.		1
128	Research on Online Health Communities: A Systematic Review. , 2017, , 1-12.		1
129	Research on Online Health Communities: A Systematic Review. , 2018, , 2239-2251.		1
130	Deciphering Feature Effects on Decision-Making in Ordinal Regression Problems: An Explainable Ordinal Factorization Model. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-26.	2.5	1
131	The Twitter Observatory. Communications in Computer and Information Science, 2014, , 245-250.	0.4	0
132	Social Networking on the World Wide Web. , 2018, , 2717-2730.		0
133	An Open Invitation to Join the International Brugada Electrocardiographic Indices Registry. Cardiovascular Innovations and Applications, 2020, 4, .	0.1	0
134	Single-Hit Inactivation Drove Tumor Suppressor Genes Out of the X Chromosome during Evolution. Cancer Research, 2022, 82, 1482-1491.	0.4	0