

# Xiangjie Kong

## List of Publications by Year in descending order

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Version: 2024-02-01

150  
papers

5,663  
citations

87888

38  
h-index

95266

68  
g-index

154  
all docs

154  
docs citations

154  
times ranked

5355  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Cooperative Partial Computation Offloading Scheme for Mobile Edge Computing Enabled Internet of Things. IEEE Internet of Things Journal, 2019, 6, 4804-4814.	8.7	372
2	Vehicular Social Networks: Enabling Smart Mobility. , 2017, 55, 16-55.		283
3	Urban traffic congestion estimation and prediction based on floating car trajectory data. Future Generation Computer Systems, 2016, 61, 97-107.	7.5	201
4	Context-Based Collaborative Filtering for Citation Recommendation. IEEE Access, 2015, 3, 1695-1703.	4.2	191
5	A Survey of Collaborative Filtering-Based Recommender Systems: From Traditional Methods to Hybrid Methods Based on Social Networks. IEEE Access, 2018, 6, 64301-64320.	4.2	183
6	Realizing the Potential of the Internet of Things for Smart Tourism with 5G and AI. IEEE Network, 2020, 34, 295-301.	6.9	158
7	Green and Sustainable Cloud of Things: Enabling Collaborative Edge Computing. IEEE Communications Magazine, 2019, 57, 72-78.	6.1	131
8	Mobility Dataset Generation for Vehicular Social Networks Based on Floating Car Data. IEEE Transactions on Vehicular Technology, 2018, 67, 3874-3886.	6.3	130
9	LoTAD: long-term traffic anomaly detection based on crowdsourced bus trajectory data. World Wide Web, 2018, 21, 825-847.	4.0	129
10	Scientific Paper Recommendation: A Survey. IEEE Access, 2019, 7, 9324-9339.	4.2	126
11	Deep Reinforcement Learning for Intelligent Internet of Vehicles: An Energy-Efficient Computational Offloading Scheme. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1060-1072.	7.9	124
12	Academic social networks: Modeling, analysis, mining and applications. Journal of Network and Computer Applications, 2019, 132, 86-103.	9.1	122
13	Phone2Cloud: Exploiting computation offloading for energy saving on smartphones in mobile cloud computing. Information Systems Frontiers, 2014, 16, 95-111.	6.4	118
14	Random Walks: A Review of Algorithms and Applications. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 95-107.	4.9	114
15	Time-Location-Relationship Combined Service Recommendation Based on Taxi Trajectory Data. IEEE Transactions on Industrial Informatics, 2017, 13, 1202-1212.	11.3	113
16	Artificial Intelligence in the 21st Century. IEEE Access, 2018, 6, 34403-34421.	4.2	112
17	Exploring Human Mobility Patterns in Urban Scenarios: A Trajectory Data Perspective. IEEE Communications Magazine, 2018, 56, 142-149.	6.1	109
18	Vehicular Social Networks: A survey. Pervasive and Mobile Computing, 2018, 43, 96-113.	3.3	106

#	ARTICLE	IF	CITATIONS
19	A Social-Aware Group Formation Framework for Information Diffusion in Narrowband Internet of Things. IEEE Internet of Things Journal, 2018, 5, 1527-1538.	8.7	101
20	Joint Range-Doppler-Angle Estimation for Intelligent Tracking of Moving Aerial Targets. IEEE Internet of Things Journal, 2018, 5, 1625-1636.	8.7	99
21	Mobile Multimedia Recommendation in Smart Communities: A Survey. IEEE Access, 2013, 1, 606-624.	4.2	94
22	Mobile Crowdsourcing in Smart Cities: Technologies, Applications, and Future Challenges. IEEE Internet of Things Journal, 2019, 6, 8095-8113.	8.7	90
23	Vehicle Trajectory Clustering Based on Dynamic Representation Learning of Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3567-3576.	8.0	87
24	Real-Time Mask Identification for COVID-19: An Edge-Computing-Based Deep Learning Framework. IEEE Internet of Things Journal, 2021, 8, 15929-15938.	8.7	81
25	Modeling and Analysis of Large-Scale Urban Mobility for Green Transportation. IEEE Transactions on Industrial Informatics, 2018, 14, 1469-1481.	11.3	75
26	Shared Subway Shuttle Bus Route Planning Based on Transport Data Analytics. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1507-1520.	5.2	73
27	Scientific collaboration patterns vary with scholars's academic ages. Scientometrics, 2017, 112, 329-343.	3.0	69
28	Deep Learning in Edge of Vehicles: Exploring Trirelationship for Data Transmission. IEEE Transactions on Industrial Informatics, 2019, 15, 5737-5746.	11.3	64
29	Big Trajectory Data: A Survey of Applications and Services. IEEE Access, 2018, 6, 58295-58306.	4.2	59
30	A Federated Learning-Based License Plate Recognition Scheme for 5G-Enabled Internet of Vehicles. IEEE Transactions on Industrial Informatics, 2021, 17, 8523-8530.	11.3	59
31	Exploiting Publication Contents and Collaboration Networks for Collaborator Recommendation. PLoS ONE, 2016, 11, e0148492.	2.5	57
32	Collision Avoidance in Fixed-Wing UAV Formation Flight Based on a Consensus Control Algorithm. IEEE Access, 2018, 6, 43672-43682.	4.2	51
33	Ranking Station Importance With Human Mobility Patterns Using Subway Network Datasets. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2840-2852.	8.0	51
34	Task-Driven Resource Assignment in Mobile Edge Computing Exploiting Evolutionary Computation. IEEE Wireless Communications, 2019, 26, 94-101.	9.0	50
35	VOPRec: Vector Representation Learning of Papers with Text Information and Structural Identity for Recommendation. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 226-237.	4.6	50
36	Spatio-Temporal Network Traffic Estimation and Anomaly Detection Based on Convolutional Neural Network in Vehicular Ad-Hoc Networks. IEEE Access, 2018, 6, 40168-40176.	4.2	49

#	ARTICLE	IF	CITATIONS
37	Exploring dynamic research interest and academic influence for scientific collaborator recommendation. <i>Scientometrics</i> , 2017, 113, 369-385.	3.0	47
38	IS2Fun: Identification of Subway Station Functions Using Massive Urban Data. <i>IEEE Access</i> , 2017, 5, 27103-27113.	4.2	43
39	An Overview on Evaluating and Predicting Scholarly Article Impact. <i>Information (Switzerland)</i> , 2017, 8, 73.	2.9	43
40	Mobile Edge Cooperation Optimization for Wearable Internet of Things: A Network Representation-Based Framework. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 5050-5058.	11.3	43
41	A Survey of Scholarly Data Visualization. <i>IEEE Access</i> , 2018, 6, 19205-19221.	4.2	42
42	A Shared Bus Profiling Scheme for Smart Cities Based on Heterogeneous Mobile Crowdsourced Data. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 1436-1444.	11.3	40
43	FedVCP: A Federated-Learning-Based Cooperative Positioning Scheme for Social Internet of Vehicles. <i>IEEE Transactions on Computational Social Systems</i> , 2022, 9, 197-206.	4.4	40
44	Network embedding: Taxonomies, frameworks and applications. <i>Computer Science Review</i> , 2020, 38, 100296.	15.3	35
45	Congestion recognition for hybrid urban road systems via digraph convolutional network. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 121, 102877.	7.6	34
46	Deep Matrix Factorization for Trust-Aware Recommendation in Social Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 511-528.	6.4	33
47	Shifu2: A Network Representation Learning Based Model for Advisor-advisee Relationship Mining. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019, , 1-1.	5.7	32
48	Data Mining and Information Retrieval in the 21st century: A bibliographic review. <i>Computer Science Review</i> , 2019, 34, 100193.	15.3	32
49	Scholarly impact assessment: a survey of citation weighting solutions. <i>Scientometrics</i> , 2019, 118, 453-478.	3.0	31
50	Matching Algorithms: Fundamentals, Applications and Challenges. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021, 5, 332-350.	4.9	31
51	BoDMaS: Bio-inspired Selfishness Detection and Mitigation in Data Management for Ad-hoc Social Networks. <i>Ad Hoc Networks</i> , 2017, 55, 119-131.	5.5	30
52	Sustainable Collaborator Recommendation Based on Conference Closure. <i>IEEE Transactions on Computational Social Systems</i> , 2019, 6, 311-322.	4.4	29
53	A traffic-differentiated routing algorithm in Flying Ad Hoc Sensor Networks with SDN cluster controllers. <i>Journal of the Franklin Institute</i> , 2019, 356, 766-790.	3.4	29
54	Cyber-Physical Control Over Wireless Sensor and Actuator Networks with Packet Loss. , 2011, , 85-102.		28

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55	Synchronization of uncertain complex dynamical networks via adaptive control. <i>International Journal of Robust and Nonlinear Control</i> , 2009, 19, 495-511.	3.7	27
56	Two decades of information systems: a bibliometric review. <i>Scientometrics</i> , 2019, 118, 617-643.	3.0	26
57	An adaptive MAC protocol for real-time and reliable communications in medical cyber-physical systems. <i>Telecommunication Systems</i> , 2015, 58, 125-138.	2.5	25
58	Study on Road Network Traffic Coordination Control Technique With Bus Priority. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2009, 39, 343-351.	2.9	24
59	Exploring Human Mobility for Multi-Pattern Passenger Prediction: A Graph Learning Framework. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 16148-16160.	8.0	24
60	Design and Information Architectures for an Unmanned Aerial Vehicle Cooperative Formation Tracking Controller. <i>IEEE Access</i> , 2018, 6, 45821-45833.	4.2	23
61	RMGen: A Tri-Layer Vehicular Trajectory Data Generation Model Exploring Urban Region Division and Mobility Pattern. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 9225-9238.	6.3	23
62	Service Differentiated and Adaptive CSMA/CA over IEEE 802.15.4 for Cyber-Physical Systems. <i>Scientific World Journal, The</i> , 2013, 2013, 1-12.	2.1	21
63	Cross-domain item recommendation based on user similarity. <i>Computer Science and Information Systems</i> , 2016, 13, 359-373.	1.0	21
64	How does collaboration affect researchers'™ positions in co-authorship networks?. <i>Journal of Informetrics</i> , 2019, 13, 887-900.	2.9	20
65	BeeCup: A bio-inspired energy-efficient clustering protocol for mobile learning. <i>Future Generation Computer Systems</i> , 2014, 37, 449-460.	7.5	19
66	Exploiting Trust and Usage Context for Cross-Domain Recommendation. <i>IEEE Access</i> , 2016, 4, 2398-2407.	4.2	19
67	Quantifying the impact of scholarly papers based on higher-order weighted citations. <i>PLoS ONE</i> , 2018, 13, e0193192.	2.5	19
68	Urban arterial traffic two-direction green wave intelligent coordination control technique and its application. <i>International Journal of Control, Automation and Systems</i> , 2011, 9, 60-68.	2.7	18
69	OnCampus: a mobile platform towards a smart campus. <i>SpringerPlus</i> , 2016, 5, 974.	1.2	18
70	Spatial-Temporal-Cost Combination Based Taxi Driving Fraud Detection for Collaborative Internet of Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 3426-3436.	11.3	18
71	Understanding the advisor-advisee relationship via scholarly data analysis. <i>Scientometrics</i> , 2018, 116, 161-180.	3.0	17
72	CoPFun: an urban co-occurrence pattern mining scheme based on regional function discovery. <i>World Wide Web</i> , 2019, 22, 1029-1054.	4.0	17

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73	CSTeller: forecasting scientific collaboration sustainability based on extreme gradient boosting. <i>World Wide Web</i> , 2019, 22, 2749-2770.	4.0	17
74	A Novel Social Recommendation Method Fusing User's Social Status and Homophily Based on Matrix Factorization Techniques. <i>IEEE Access</i> , 2019, 7, 18783-18798.	4.2	17
75	Emergency warning messages dissemination in vehicular social networks: A trust based scheme. <i>Vehicular Communications</i> , 2020, 22, 100199.	4.0	17
76	HUAD: Hierarchical Urban Anomaly Detection Based on Spatio-Temporal Data. <i>IEEE Access</i> , 2020, 8, 26573-26582.	4.2	17
77	Editorial behaviors in peer review. <i>SpringerPlus</i> , 2016, 5, 903.	1.2	16
78	Social-Oriented Resource Management in Cloud-Based Mobile Networks. <i>IEEE Cloud Computing</i> , 2016, 3, 24-31.	3.9	16
79	The Gene of Scientific Success. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2020, 14, 1-19.	3.5	16
80	Deep learning for aspect-based sentiment analysis: a review. <i>PeerJ Computer Science</i> , 0, 8, e1044.	4.5	16
81	A hybrid finite element-energy finite element method for mid-frequency vibrations of built-up structures under multi-distributed loadings. <i>Journal of Sound and Vibration</i> , 2014, 333, 5723-5745.	3.9	15
82	Prediction methods and applications in the science of science: A survey. <i>Computer Science Review</i> , 2019, 34, 100197.	15.3	15
83	Exploring time factors in measuring the scientific impact of scholars. <i>Scientometrics</i> , 2017, 112, 1301-1321.	3.0	14
84	Energy-aware cooperative and distributed channel estimation schemes for wireless sensor networks. <i>International Journal of Communication Systems</i> , 2017, 30, e3074.	2.5	13
85	The Evolution of Turing Award Collaboration Network: Bibliometric-Level and Network-Level Metrics. <i>IEEE Transactions on Computational Social Systems</i> , 2019, 6, 1318-1328.	4.4	13
86	GCN2CDD: A Commercial District Discovery Framework via Embedding Space Clustering on Graph Convolution Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 356-364.	11.3	13
87	FISS: function identification of subway stations based on semantics mining and functional clustering. <i>IET Intelligent Transport Systems</i> , 2018, 12, 558-567.	3.0	12
88	Study on the validity region of Energy Finite Element Analysis. <i>Journal of Sound and Vibration</i> , 2014, 333, 2601-2616.	3.9	11
89	Urban Traffic Congestion Prediction Using Floating Car Trajectory Data. <i>Lecture Notes in Computer Science</i> , 2015, , 18-30.	1.3	11
90	PAAS: PMIPv6 Access Authentication Scheme Based on Identity-Based Signature in VANETs. <i>IEEE Access</i> , 2018, 6, 37480-37492.	4.2	11

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91	A fuzzy control system for energy-efficient wireless devices in the Internet of vehicles. International Journal of Intelligent Systems, 2021, 36, 1595-1618.	5.7	11
92	Taxi Operation Optimization Based on Big Traffic Data. , 2015, , .		10
93	STLoyal: A Spatio-Temporal Loyalty-Based Model for Subway Passenger Flow Prediction. IEEE Access, 2018, 6, 47461-47471.	4.2	10
94	API: An Index for Quantifying a Scholar's Academic Potential. IEEE Access, 2019, 7, 178675-178684.	4.2	10
95	A collective filtering based content transmission scheme in edge of vehicles. Information Sciences, 2020, 506, 161-173.	6.9	10
96	TBI2Flow: Travel behavioral inertia based long-term taxi passenger flow prediction. World Wide Web, 2020, 23, 1381-1405.	4.0	10
97	A lightweight framework for abnormal driving behavior detection. Computer Communications, 2022, 184, 128-136.	5.1	10
98	CenGCN: Centralized Convolutional Networks with Vertex Imbalance for Scale-Free Graphs. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	10
99	A novel adaptive spectrum allocation scheme for multi-channel multi-radio wireless mesh networks. Journal of Network and Computer Applications, 2015, 56, 19-27.	9.1	9
100	UAV Formation Flight Cooperative Tracking Controller Design. , 2018, , .		9
101	Discovering Transit-Oriented Development Regions of Megacities Using Heterogeneous Urban Data. IEEE Transactions on Computational Social Systems, 2019, 6, 943-955.	4.4	9
102	An Attention-Based Digraph Convolution Network Enabled Framework for Congestion Recognition in Three-Dimensional Road Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14413-14426.	8.0	9
103	Random Walk-based Beneficial Collaborators Recommendation Exploiting Dynamic Research Interests and Academic Influence. , 2017, , .		8
104	TNERec: Topic-Aware Network Embedding for Scientific Collaborator Recommendation. , 2018, , .		8
105	Evaluating the Impact of Articles with Geographical Distances between Institutions. , 2017, , .		7
106	Is Scientific Collaboration Sustainability Predictable?. , 2017, , .		7
107	A Social Utility-Based Dissemination Scheme for Emergency Warning Messages in Vehicular Social Networks. Computer Journal, 2018, 61, 971-986.	2.4	7
108	VISOS: A Visual Interactive System for Spatial-Temporal Exploring Station Importance Based on Subway Data. IEEE Access, 2018, 6, 42131-42141.	4.2	7

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109	ST-AFN: a spatial-temporal attention based fusion network for lane-level traffic flow prediction. PeerJ Computer Science, 2021, 7, e470.	4.5	7
110	TAPRank: A Time-Aware Author Ranking Method in Heterogeneous Networks. , 2015, , .		6
111	New challenges of real-time wireless sensor networks: Theory and applications. International Journal of Distributed Sensor Networks, 2016, 12, 155014771666807.	2.2	6
112	Social gene â€” A new method to find rising stars. , 2017, , .		6
113	Human Interactive Behavior: A Bibliographic Review. IEEE Access, 2019, 7, 4611-4628.	4.2	6
114	Real-time dissemination of emergency warning messages in 5G enabled selfish vehicular social networks. Computer Networks, 2020, 182, 107482.	5.1	6
115	Com-BIS: A Community-Based Barter Incentive Scheme in Socially Aware Networking. International Journal of Distributed Sensor Networks, 2015, 11, 671012.	2.2	6
116	Multi-Feature Representation Based COVID-19 Risk Stage Evaluation With Transfer Learning. IEEE Transactions on Network Science and Engineering, 2022, 9, 1359-1375.	6.4	6
117	A multi-attribute decision making approach based on information extraction for real estate buyer profiling. World Wide Web, 2023, 26, 187-205.	4.0	6
118	Meta-heuristic algorithms for parallel identical machines scheduling problem with weighted late work criterion and common due date. SpringerPlus, 2015, 4, 782.	1.2	5
119	Disappearing Link Prediction in Scientific Collaboration Networks. IEEE Access, 2018, 6, 69702-69712.	4.2	5
120	COOC: Visual Exploration of Co-Occurrence Mobility Patterns in Urban Scenarios. IEEE Transactions on Computational Social Systems, 2019, 6, 403-413.	4.4	5
121	DeepCF: A Deep Feature Learning-Based Car-Following Model Using Online Ride-Hailing Trajectory Data. Wireless Communications and Mobile Computing, 2020, 2020, 1-9.	1.2	5
122	Research on Phase Combination and Signal Timing Based on Improved K-Medoids Algorithm for Intersection Signal Control. Wireless Communications and Mobile Computing, 2020, 2020, 1-11.	1.2	5
123	Understanding Nobel Prize-Winning Articles:A Bibliometric Analysis. Current Science, 2019, 116, 379.	0.8	5
124	A Modified Node2vec Method for Disappearing Link Prediction. , 2017, , .		4
125	Recurrent-DC: A deep representation clustering model for university profiling based on academic graph. Future Generation Computer Systems, 2021, 116, 156-167.	7.5	4
126	Skill ranking of researchers via hypergraph. PeerJ Computer Science, 2019, 5, e182.	4.5	4

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127	Spatio-Temporal Digraph Convolutional Network-Based Taxi Pickup Location Recommendation. IEEE Transactions on Industrial Informatics, 2023, 19, 394-403.	11.3	4
128	An energy-efficient and load-balanced dynamic clustering protocol for ad-hoc sensor networks. , 2012, , .		3
129	A Novel QoS-Based QoE Evaluation Method for Streaming Video Service. , 2017, , .		3
130	DeepTSW: An Urban Traffic Safety Warning Framework Based on Bayesian Deep Learning. Communications in Computer and Information Science, 2020, , 50-63.	0.5	3
131	A Higher-Order Motif-Based Spatiotemporal Graph Imputation Approach for Transportation Networks. Wireless Communications and Mobile Computing, 2022, 2022, 1-16.	1.2	3
132	Urban arterial traffic intelligent coordination control technique and its application. , 2010, , .		2
133	An improved GPSR protocol based on stratification of traffic density. , 2017, , .		2
134	Cross Network Representation Matching with Outliers. , 2021, , .		2
135	Study on routing protocol based on traffic density in VANET. International Journal of High Performance Computing and Networking, 2017, 10, 481.	0.4	1
136	Many-to-Many Collaborator Recommendation Based on Matching Markets Theory. , 2019, , .		1
137	Customer Rating Prediction Using Hypergraph Kernel Based Classification. Lecture Notes in Computer Science, 2013, , 187-192.	1.3	1
138	Enhancing interactive graph representation learning for review-based item recommendation. Computer Science and Information Systems, 2022, 19, 573-593.	1.0	1
139	Player-aware resource compensation in interrupted cricket matches. PeerJ Computer Science, 2022, 8, e917.	4.5	1
140	Lane-Level Traffic Flow Prediction with Heterogeneous Data and Dynamic Graphs. Applied Sciences (Switzerland), 2022, 12, 5340.	2.5	1
141	Multi-agent fuzzy signal control with bus priority. , 2008, , .		0
142	A Trust-Based User Assignment Scheme in Ad Hoc Social Networks. , 2015, , .		0
143	Disease Gene Prediction Based on Heterogeneous Probabilistic Hypergraph Ranking. , 2019, , .		0
144	Coordinated ramp signal optimization framework based on time series flux-correlation analysis. PeerJ Computer Science, 2021, 7, e446.	4.5	0

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145	A Computational Complexity-Based Method for Predicting Scholars's Ages through Articles' Information. Complexity, 2021, 2021, 1-15.	1.6	0
146	SmartColor: Automatic Web Color Scheme Generation Based on Deep Learning. , 2021, , .		0
147	More Complex More Productive: Characterizing Top Universities Based on Research Publications. , 2021, , .		0
148	Adaptive Quasiconformal Kernel Principle Component Analysis for MSTAR SAR Recognition. Information Technology Journal, 2012, 11, 1751-1757.	0.3	0
149	ST-TAP: A Traffic Accident Prediction Framework Based on Spatio-Temporal Transformer. , 2021, , .		0
150	Lane-Level Traffic Flow Prediction Based on Dynamic Graph Generation. , 2021, , .		0