

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 multi-attribute decision making approach based on information extraction for real estate buyer profiling. <i>World Wide Web</i> , 2023, 26, 187-205.	4.0	6
2	Spatio-Temporal Digraph Convolutional Network-Based Taxi Pickup Location Recommendation. <i>IEEE Transactions on Industrial Informatics</i> , 2023, 19, 394-403.	11.3	4
3	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
4	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
5	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
6	Enhancing interactive graph representation learning for review-based item recommendation. <i>Computer Science and Information Systems</i> , 2022, 19, 573-593.	1.0	1
7	An Attention-Based Digraph Convolution Network Enabled Framework for Congestion Recognition in Three-Dimensional Road Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 14413-14426.	8.0	9
8	A lightweight framework for abnormal driving behavior detection. <i>Computer Communications</i> , 2022, 184, 128-136.	5.1	10
9	A Higher-Order Motif-Based Spatiotemporal Graph Imputation Approach for Transportation Networks. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-16.	1.2	3
10	Multi-Feature Representation Based COVID-19 Risk Stage Evaluation With Transfer Learning. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 1359-1375.	6.4	6
11	CenGCN: Centralized Convolutional Networks with Vertex Imbalance for Scale-Free Graphs. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022, , 1-1.	5.7	10
12	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
13	Player-aware resource compensation in interrupted cricket matches. <i>PeerJ Computer Science</i> , 2022, 8, e917.	4.5	1
14	Lane-Level Traffic Flow Prediction with Heterogeneous Data and Dynamic Graphs. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5340.	2.5	1
15	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
16	Vehicle Trajectory Clustering Based on Dynamic Representation Learning of Internet of Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 3567-3576.	8.0	87
17	VOPRec: Vector Representation Learning of Papers with Text Information and Structural Identity for Recommendation. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2021, 9, 226-237.	4.6	50
18	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

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19	Recurrent-DC: A deep representation clustering model for university profiling based on academic graph. <i>Future Generation Computer Systems</i> , 2021, 116, 156-167.	7.5	4
20	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
21	A fuzzy control system for energy-efficient wireless devices in the Internet of vehicles. <i>International Journal of Intelligent Systems</i> , 2021, 36, 1595-1618.	5.7	11
22	Real-Time Mask Identification for COVID-19: An Edge-Computing-Based Deep Learning Framework. <i>IEEE Internet of Things Journal</i> , 2021, 8, 15929-15938.	8.7	81
23	Coordinated ramp signal optimization framework based on time series flux-correlation analysis. <i>PeerJ Computer Science</i> , 2021, 7, e446.	4.5	0
24	ST-AFN: a spatial-temporal attention based fusion network for lane-level traffic flow prediction. <i>PeerJ Computer Science</i> , 2021, 7, e470.	4.5	7
25	A Computational Complexity-Based Method for Predicting Scholars'™ Ages through Articles'™ Information. <i>Complexity</i> , 2021, 2021, 1-15.	1.6	0
26	SmartColor: Automatic Web Color Scheme Generation Based on Deep Learning. , 2021, , .		0
27	Matching Algorithms: Fundamentals, Applications and Challenges. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021, 5, 332-350.	4.9	31
28	A Federated Learning-Based License Plate Recognition Scheme for 5G-Enabled Internet of Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 8523-8530.	11.3	59
29	More Complex More Productive: Characterizing Top Universities Based on Research Publications. , 2021, , .		0
30	ST-TAP: A Traffic Accident Prediction Framework Based on Spatio-Temporal Transformer. , 2021, , .		0
31	Cross Network Representation Matching with Outliers. , 2021, , .		2
32	Lane-Level Traffic Flow Prediction Based on Dynamic Graph Generation. , 2021, , .		0
33	Ranking Station Importance With Human Mobility Patterns Using Subway Network Datasets. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 2840-2852.	8.0	51
34	A collective filtering based content transmission scheme in edge of vehicles. <i>Information Sciences</i> , 2020, 506, 161-173.	6.9	10
35	TBI2Flow: Travel behavioral inertia based long-term taxi passenger flow prediction. <i>World Wide Web</i> , 2020, 23, 1381-1405.	4.0	10
36	Emergency warning messages dissemination in vehicular social networks: A trust based scheme. <i>Vehicular Communications</i> , 2020, 22, 100199.	4.0	17

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37	A Shared Bus Profiling Scheme for Smart Cities Based on Heterogeneous Mobile Crowdsourced Data. IEEE Transactions on Industrial Informatics, 2020, 16, 1436-1444.	11.3	40
38	Random Walks: A Review of Algorithms and Applications. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 95-107.	4.9	114
39	Network embedding: Taxonomies, frameworks and applications. Computer Science Review, 2020, 38, 100296.	15.3	35
40	Real-time dissemination of emergency warning messages in 5G enabled selfish vehicular social networks. Computer Networks, 2020, 182, 107482.	5.1	6
41	Congestion recognition for hybrid urban road systems via digraph convolutional network. Transportation Research Part C: Emerging Technologies, 2020, 121, 102877.	7.6	34
42	Realizing the Potential of the Internet of Things for Smart Tourism with 5G and AI. IEEE Network, 2020, 34, 295-301.	6.9	158
43	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
44	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
45	HUAD: Hierarchical Urban Anomaly Detection Based on Spatio-Temporal Data. IEEE Access, 2020, 8, 26573-26582.	4.2	17
46	The Gene of Scientific Success. ACM Transactions on Knowledge Discovery From Data, 2020, 14, 1-19.	3.5	16
47	DeepTSW: An Urban Traffic Safety Warning Framework Based on Bayesian Deep Learning. Communications in Computer and Information Science, 2020, , 50-63.	0.5	3
48	CoPFun: an urban co-occurrence pattern mining scheme based on regional function discovery. World Wide Web, 2019, 22, 1029-1054.	4.0	17
49	CSTeller: forecasting scientific collaboration sustainability based on extreme gradient boosting. World Wide Web, 2019, 22, 2749-2770.	4.0	17
50	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
51	Discovering Transit-Oriented Development Regions of Megacities Using Heterogeneous Urban Data. IEEE Transactions on Computational Social Systems, 2019, 6, 943-955.	4.4	9
52	Mobile Crowdsourcing in Smart Cities: Technologies, Applications, and Future Challenges. IEEE Internet of Things Journal, 2019, 6, 8095-8113.	8.7	90
53	Shifu2: A Network Representation Learning Based Model for Advisor-advisee Relationship Mining. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	5.7	32
54	Deep Learning in Edge of Vehicles: Exploring Trirelationship for Data Transmission. IEEE Transactions on Industrial Informatics, 2019, 15, 5737-5746.	11.3	64

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55	Data Mining and Information Retrieval in the 21st century: A bibliographic review. Computer Science Review, 2019, 34, 100193.	15.3	32
56	How does collaboration affect researchers'™ positions in co-authorship networks?. Journal of Informetrics, 2019, 13, 887-900.	2.9	20
57	Prediction methods and applications in the science of science: A survey. Computer Science Review, 2019, 34, 100197.	15.3	15
58	Academic social networks: Modeling, analysis, mining and applications. Journal of Network and Computer Applications, 2019, 132, 86-103.	9.1	122
59	Sustainable Collaborator Recommendation Based on Conference Closure. IEEE Transactions on Computational Social Systems, 2019, 6, 311-322.	4.4	29
60	A Novel Social Recommendation Method Fusing User'™s Social Status and Homophily Based on Matrix Factorization Techniques. IEEE Access, 2019, 7, 18783-18798.	4.2	17
61	API: An Index for Quantifying a Scholar'™s Academic Potential. IEEE Access, 2019, 7, 178675-178684.	4.2	10
62	Disease Gene Prediction Based on Heterogeneous Probabilistic Hypergraph Ranking. , 2019, , .		0
63	Many-to-Many Collaborator Recommendation Based on Matching Markets Theory. , 2019, , .		1
64	Task-Driven Resource Assignment in Mobile Edge Computing Exploiting Evolutionary Computation. IEEE Wireless Communications, 2019, 26, 94-101.	9.0	50
65	The Evolution of Turing Award Collaboration Network: Bibliometric-Level and Network-Level Metrics. IEEE Transactions on Computational Social Systems, 2019, 6, 1318-1328.	4.4	13
66	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
67	Two decades of information systems: a bibliometric review. Scientometrics, 2019, 118, 617-643.	3.0	26
68	Scientific Paper Recommendation: A Survey. IEEE Access, 2019, 7, 9324-9339.	4.2	126
69	Human Interactive Behavior: A Bibliographic Review. IEEE Access, 2019, 7, 4611-4628.	4.2	6
70	Green and Sustainable Cloud of Things: Enabling Collaborative Edge Computing. IEEE Communications Magazine, 2019, 57, 72-78.	6.1	131
71	COOC: Visual Exploration of Co-Occurrence Mobility Patterns in Urban Scenarios. IEEE Transactions on Computational Social Systems, 2019, 6, 403-413.	4.4	5
72	Scholarly impact assessment: a survey of citation weighting solutions. Scientometrics, 2019, 118, 453-478.	3.0	31

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73	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
74	Skill ranking of researchers via hypergraph. <i>PeerJ Computer Science</i> , 2019, 5, e182.	4.5	4
75	Understanding Nobel Prize-Winning Articles:A Bibliometric Analysis. <i>Current Science</i> , 2019, 116, 379.	0.8	5
76	Mobility Dataset Generation for Vehicular Social Networks Based on Floating Car Data. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 3874-3886.	6.3	130
77	Vehicular Social Networks: A survey. <i>Pervasive and Mobile Computing</i> , 2018, 43, 96-113.	3.3	106
78	Joint Range-Doppler-Angle Estimation for Intelligent Tracking of Moving Aerial Targets. <i>IEEE Internet of Things Journal</i> , 2018, 5, 1625-1636.	8.7	99
79	Modeling and Analysis of Large-Scale Urban Mobility for Green Transportation. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 1469-1481.	11.3	75
80	Artificial Intelligence in the 21st Century. <i>IEEE Access</i> , 2018, 6, 34403-34421.	4.2	112
81	Exploring Human Mobility Patterns in Urban Scenarios: A Trajectory Data Perspective. <i>IEEE Communications Magazine</i> , 2018, 56, 142-149.	6.1	109
82	A Social Utility-Based Dissemination Scheme for Emergency Warning Messages in Vehicular Social Networks. <i>Computer Journal</i> , 2018, 61, 971-986.	2.4	7
83	A Survey of Scholarly Data Visualization. <i>IEEE Access</i> , 2018, 6, 19205-19221.	4.2	42
84	LoTAD: long-term traffic anomaly detection based on crowdsourced bus trajectory data. <i>World Wide Web</i> , 2018, 21, 825-847.	4.0	129
85	A Social-Aware Group Formation Framework for Information Diffusion in Narrowband Internet of Things. <i>IEEE Internet of Things Journal</i> , 2018, 5, 1527-1538.	8.7	101
86	Disappearing Link Prediction in Scientific Collaboration Networks. <i>IEEE Access</i> , 2018, 6, 69702-69712.	4.2	5
87	UAV Formation Flight Cooperative Tracking Controller Design. , 2018, , .		9
88	VISOS: A Visual Interactive System for Spatial-Temporal Exploring Station Importance Based on Subway Data. <i>IEEE Access</i> , 2018, 6, 42131-42141.	4.2	7
89	TNERec: Topic-Aware Network Embedding for Scientific Collaborator Recommendation. , 2018, , .		8
90	Big Trajectory Data: A Survey of Applications and Services. <i>IEEE Access</i> , 2018, 6, 58295-58306.	4.2	59

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91	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
92	Design and Information Architectures for an Unmanned Aerial Vehicle Cooperative Formation Tracking Controller. IEEE Access, 2018, 6, 45821-45833.	4.2	23
93	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
94	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
95	Understanding the advisor-advisee relationship via scholarly data analysis. Scientometrics, 2018, 116, 161-180.	3.0	17
96	STLoyal: A Spatio-Temporal Loyalty-Based Model for Subway Passenger Flow Prediction. IEEE Access, 2018, 6, 47461-47471.	4.2	10
97	FISS: function identification of subway stations based on semantics mining and functional clustering. IET Intelligent Transport Systems, 2018, 12, 558-567.	3.0	12
98	Collision Avoidance in Fixed-Wing UAV Formation Flight Based on a Consensus Control Algorithm. IEEE Access, 2018, 6, 43672-43682.	4.2	51
99	PAAS: PMIPv6 Access Authentication Scheme Based on Identity-Based Signature in VANETs. IEEE Access, 2018, 6, 37480-37492.	4.2	11
100	Quantifying the impact of scholarly papers based on higher-order weighted citations. PLoS ONE, 2018, 13, e0193192.	2.5	19
101	Energy-aware cooperative and distributed channel estimation schemes for wireless sensor networks. International Journal of Communication Systems, 2017, 30, e3074.	2.5	13
102	Scientific collaboration patterns vary with scholars' academic ages. Scientometrics, 2017, 112, 329-343.	3.0	69
103	Vehicular Social Networks: Enabling Smart Mobility. , 2017, 55, 16-55.		283
104	Evaluating the Impact of Articles with Geographical Distances between Institutions. , 2017, , .		7
105	Is Scientific Collaboration Sustainability Predictable?. , 2017, , .		7
106	Time-Location-Relationship Combined Service Recommendation Based on Taxi Trajectory Data. IEEE Transactions on Industrial Informatics, 2017, 13, 1202-1212.	11.3	113
107	Social gene - A new method to find rising stars. , 2017, , .		6
108	Study on routing protocol based on traffic density in VANET. International Journal of High Performance Computing and Networking, 2017, 10, 481.	0.4	1

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109	Random Walk-based Beneficial Collaborators Recommendation Exploiting Dynamic Research Interests and Academic Influence. , 2017, , .		8
110	Exploring dynamic research interest and academic influence for scientific collaborator recommendation. Scientometrics, 2017, 113, 369-385.	3.0	47
111	Exploring time factors in measuring the scientific impact of scholars. Scientometrics, 2017, 112, 1301-1321.	3.0	14
112	BoDMaS: Bio-inspired Selfishness Detection and Mitigation in Data Management for Ad-hoc Social Networks. Ad Hoc Networks, 2017, 55, 119-131.	5.5	30
113	A Novel QoS-Based QoE Evaluation Method for Streaming Video Service. , 2017, , .		3
114	IS2Fun: Identification of Subway Station Functions Using Massive Urban Data. IEEE Access, 2017, 5, 27103-27113.	4.2	43
115	An improved GPSR protocol based on stratification of traffic density. , 2017, , .		2
116	An Overview on Evaluating and Predicting Scholarly Article Impact. Information (Switzerland), 2017, 8, 73.	2.9	43
117	A Modified Node2vec Method for Disappearing Link Prediction. , 2017, , .		4
118	Exploiting Publication Contents and Collaboration Networks for Collaborator Recommendation. PLoS ONE, 2016, 11, e0148492.	2.5	57
119	OnCampus: a mobile platform towards a smart campus. SpringerPlus, 2016, 5, 974.	1.2	18
120	Editorial behaviors in peer review. SpringerPlus, 2016, 5, 903.	1.2	16
121	Social-Oriented Resource Management in Cloud-Based Mobile Networks. IEEE Cloud Computing, 2016, 3, 24-31.	3.9	16
122	New challenges of real-time wireless sensor networks: Theory and applications. International Journal of Distributed Sensor Networks, 2016, 12, 155014771666807.	2.2	6
123	Exploiting Trust and Usage Context for Cross-Domain Recommendation. IEEE Access, 2016, 4, 2398-2407.	4.2	19
124	Urban traffic congestion estimation and prediction based on floating car trajectory data. Future Generation Computer Systems, 2016, 61, 97-107.	7.5	201
125	Cross-domain item recommendation based on user similarity. Computer Science and Information Systems, 2016, 13, 359-373.	1.0	21
126	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

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127	Taxi Operation Optimization Based on Big Traffic Data. , 2015, , .		10
128	TAPRank: A Time-Aware Author Ranking Method in Heterogeneous Networks. , 2015, , .		6
129	A Trust-Based User Assignment Scheme in Ad Hoc Social Networks. , 2015, , .		0
130	Context-Based Collaborative Filtering for Citation Recommendation. IEEE Access, 2015, 3, 1695-1703.	4.2	191
131	Urban Traffic Congestion Prediction Using Floating Car Trajectory Data. Lecture Notes in Computer Science, 2015, , 18-30.	1.3	11
132	An adaptive MAC protocol for real-time and reliable communications in medical cyber-physical systems. Telecommunication Systems, 2015, 58, 125-138.	2.5	25
133	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
134	Com-BIS: A Community-Based Barter Incentive Scheme in Socially Aware Networking. International Journal of Distributed Sensor Networks, 2015, 11, 671012.	2.2	6
135	A hybrid finite elementâ€“energy finite element method for mid-frequency vibrations of built-up structures under multi-distributed loadings. Journal of Sound and Vibration, 2014, 333, 5723-5745.	3.9	15
136	Phone2Cloud: Exploiting computation offloading for energy saving on smartphones in mobile cloud computing. Information Systems Frontiers, 2014, 16, 95-111.	6.4	118
137	Study on the validity region of Energy Finite Element Analysis. Journal of Sound and Vibration, 2014, 333, 2601-2616.	3.9	11
138	BeeCup: A bio-inspired energy-efficient clustering protocol for mobile learning. Future Generation Computer Systems, 2014, 37, 449-460.	7.5	19
139	Mobile Multimedia Recommendation in Smart Communities: A Survey. IEEE Access, 2013, 1, 606-624.	4.2	94
140	Service Differentiated and Adaptive CSMA/CA over IEEE 802.15.4 for Cyber-Physical Systems. Scientific World Journal, The, 2013, 2013, 1-12.	2.1	21
141	Customer Rating Prediction Using Hypergraph Kernel Based Classification. Lecture Notes in Computer Science, 2013, , 187-192.	1.3	1
142	An energy-efficient and load-balanced dynamic clustering protocol for ad-hoc sensor networks. , 2012, , .		3
143	Adaptive Quasiconformal Kernel Principle Component Analysis for MSTAR SAR Recognition. Information Technology Journal, 2012, 11, 1751-1757.	0.3	0
144	Urban arterial traffic two-direction green wave intelligent coordination control technique and its application. International Journal of Control, Automation and Systems, 2011, 9, 60-68.	2.7	18

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145	Cyber-Physical Control Over Wireless Sensor and Actuator Networks with Packet Loss. , 2011, , 85-102.		28
146	Urban arterial traffic intelligent coordination control technique and its application. , 2010, , .		2
147	Synchronization of uncertain complex dynamical networks via adaptive control. International Journal of Robust and Nonlinear Control, 2009, 19, 495-511.	3.7	27
148	Study on Road Network Traffic Coordination Control Technique With Bus Priority. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2009, 39, 343-351.	2.9	24
149	Multi-agent fuzzy signal control with bus priority. , 2008, , .		0
150	Deep learning for aspect-based sentiment analysis: a review. PeerJ Computer Science, 0, 8, e1044.	4.5	16