Guanfeng Liu

List of Publications by Year
in descending order

122 papers	1,275 citations	471061 17 h-index	500791 28 g-index
127 all docs	127 docs citations	127 times ranked	925 citing authors

#	ARTICLE	IF	CITATIONS
1	Finding the Optimal Social Trust Path for the Selection of Trustworthy Service Providers in Complex Social Networks. IEEE Transactions on Services Computing, 2013, 6, 152-167.	3.2	99
2	Efficient secure similarity computation on encrypted trajectory data. , 2015, , .		76
3	Effective and efficient trajectory outlier detection based on time-dependent popular route. World Wide Web, 2017, 20, 111-134.	2.7	59
4	Social context-aware trust inference for trust enhancement in social network based recommendations on service providers. World Wide Web, 2015, 18, 159-184.	2.7	54
5	An enhanced load balancing mechanism based on deadline control on GridSim. Future Generation Computer Systems, 2012, 28, 657-665.	4.9	48
6	Multi-Constrained Graph Pattern Matching in large-scale contextual social graphs. , 2015, , .		48
7	MCS-GPM: Multi-Constrained Simulation Based Graph Pattern Matching in Contextual Social Graphs. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1050-1064.	4.0	47
8	Reference-Based Framework for Spatio-Temporal Trajectory Compression and Query Processing. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 2227-2240.	4.0	43
9	A Heuristic Algorithm for Trust-Oriented Service Provider Selection in Complex Social Networks. , 2010, , .		33
10	Time-Dependent Popular Routes Based Trajectory Outlier Detection. Lecture Notes in Computer Science, 2015, , 16-30.	1.0	32
11	Trust Inference in Complex Trust-Oriented Social Networks. , 2009, , .		30
12	Popularity-aware spatial keyword search on activity trajectories. World Wide Web, 2017, 20, 749-773.	2.7	30
13	Unsupervised Entity Alignment Using Attribute Triples and Relation Triples. Lecture Notes in Computer Science, 2019, , 367-382.	1.0	30
14	Differential private collaborative Web services QoS prediction. World Wide Web, 2019, 22, 2697-2720.	2.7	30
15	TOSI: A trust-oriented social influence evaluation method in contextual social networks. Neurocomputing, 2016, 210, 130-140.	3.5	28
16	Finding K Optimal Social Trust Paths for the Selection of Trustworthy Service Providers in Complex Social Networks. , 2011, , .		26
17	Outlier Trajectory Detection: A Trajectory Analytics Based Approach. Lecture Notes in Computer Science, 2017, , 231-246.	1.0	26
18	Towards secure and truthful task assignment in spatial crowdsourcing. World Wide Web, 2019, 22, 2017-2040.	2.7	25

#	ARTICLE	IF	CITATIONS
19	A Privacy-Preserving Framework for Trust-Oriented Point-of-Interest Recommendation. IEEE Access, 2018, 6, 393-404.	2.6	24
20	A Unified Framework for Cross-Domain and Cross-System Recommendations. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	24
21	Discovering Trust Networks for the Selection of Trustworthy Service Providers in Complex Contextual Social Networks. , 2012, , .		22
22	When Differential Privacy Meets Randomized Perturbation: A Hybrid Approach for Privacy-Preserving Recommender System. Lecture Notes in Computer Science, 2017, , 576-591.	1.0	21
23	Deep Representation Learning of Activity Trajectory Similarity Computation. , 2019, , .		20
24	The Interaction Between Schema Matching and Record Matching in Data Integration. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 186-199.	4.0	17
25	Context-aware trust network extraction in large-scale trust-oriented social networks. World Wide Web, 2018, 21, 713-738.	2.7	17
26	Context-Aware Reviewer Assignment for Trust Enhanced Peer Review. PLoS ONE, 2015, 10, e0130493.	1.1	15
27	Preference-aware Task Assignment in Spatial Crowdsourcing: from Individuals to Groups. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	4.0	14
28	A New Grid Economy Architecture with Resources Pricing Fluctuation Module. , 2007, , .		13
29	Geographical address representation learning for address matching. World Wide Web, 2020, 23, 2005-2022.	2.7	11
30	An Efficient Multiple Trust Paths Finding Algorithm for Trustworthy Service Provider Selection in Real-Time Online Social Network Environments. , 2014, , .		10
31	Evaluation of nine heuristic algorithms with dataâ€intensive jobs and computingâ€intensive jobs in a dynamic environment. IET Software, 2015, 9, 7-16.	1.5	10
32	A New Resource Discovery Mechanism with Negotiate Solution Based on Agent in Grid Environments. , 2008, , .		9
33	Multiple QoT Constrained Social Trust Path Selection in Complex Social Networks. , 2012, , .		9
34	Performance Analysis of Gang Scheduling in a Grid. Journal of Network and Systems Management, 2015, 23, 650-672.	3.3	9
35	A context-aware approach for trustworthy worker selection in social crowd. World Wide Web, 2017, 20, 1211-1235.	2.7	9
36	Temporal paths discovery with multiple constraints in attributed dynamic graphs. World Wide Web, 2020, 23, 313-336.	2.7	9

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37	Towards a Deep Attention-Based Sequential Recommender System. IEEE Access, 2020, 8, 178073-178084.	2.6	9
38	A short-term traffic flow prediction method based on spatial–temporal correlation using edge computing. Computers and Electrical Engineering, 2021, 93, 107219.	3.0	9
39	Efficient Query Processing with Mutual Privacy Protection for Location-Based Services. Lecture Notes in Computer Science, 2016, , 299-313.	1.0	8
40	Privacy-Preserving Collaborative Web Services QoS Prediction via Differential Privacy. Lecture Notes in Computer Science, 2017, , 200-214.	1.0	8
41	Multi-Constrained Top-K Graph Pattern Matching in Contextual Social Graphs. , 2017, , .		8
42	Multi-Fuzzy-Objective Graph Pattern Matching with Big Graph Data. Journal of Database Management, 2019, 30, 24-40.	1.0	8
43	Strong Social Graph Based Trust-Oriented Graph Pattern Matching With Multiple Constraints. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 675-685.	3.4	8
44	Incremental Graph Pattern Based Node Matching with Multiple Updates. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 1585-1600.	4.0	8
45	Implicit relation-aware social recommendation with variational auto-encoder. World Wide Web, 2021, 24, 1395-1410.	2.7	8
46	Social Context-Aware Trust Prediction in Social Networks. Lecture Notes in Computer Science, 2014, , 527-534.	1.0	8
47	Efficient Similarity-Aware Influence Maximization in Geo-Social Network. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 4767-4780.	4.0	8
48	Resource Management Using New Reputation Model in Computational Economy for Grid. , 2007, , .		7
49	A TSVM Based Semi-Supervised Approach to SAR Image Segmentation. , 2008, , .		7
50	Trust Management in Three Generations of Web-Based Social Networks. , 2009, , .		7
51	Incremental Graph Pattern Based Node Matching. , 2018, , .		7
52	CNN-IETS. , 2017, , .		6
53	A novel hybrid publication recommendation system using compound information. World Wide Web, 2019, 22, 2499-2517.	2.7	6
54	Representation Learning With Multi-Level Attention for Activity Trajectory Similarity Computation. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2387-2400.	4.0	6

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55	Extremal optimization-based semi-supervised algorithm with conflict pairwise constraints for community detection. , 2014, , .		5
56	Social Personalized Ranking Embedding forÂNext POI Recommendation. Lecture Notes in Computer Science, 2017, , 91-105.	1.0	5
57	Rating Propagation in Web Services Reputation Systems: A Fast Shapley Value Approach. Lecture Notes in Computer Science, 2014, , 466-480.	1.0	5
58	Social Group Query Based on Multi-Fuzzy-Constrained Strong Simulation. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-27.	2.5	5
59	A Secure and Efficient Framework for Privacy Preserving Social Recommendation. Lecture Notes in Computer Science, 2015, , 781-792.	1.0	4
60	A Privacy-Preserving Framework for Subgraph Pattern Matching in Cloud. Lecture Notes in Computer Science, 2018, , 307-322.	1.0	4
61	Location-Aware Web Service Composition Based on the Mixture Rank of Web Services and Web Service Requests. Complexity, 2019, 2019, 1-16.	0.9	4
62	Privacy-preserving shared collaborative web services QoS prediction. Journal of Intelligent Information Systems, 2020, 54, 205-224.	2.8	4
63	A-MCTS: Adaptive Monte Carlo Tree Search for Temporal Path Discovery. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	4
64	A new resource selection approach based on reputation driven Min-min algorithm in the grid economy. , 2007, , .		3
65	A Context-Aware Trust-Oriented Influencers Finding in Online Social Networks. , 2015, , .		3
66	Web-ADARE: A web-aided data repairing system. Neurocomputing, 2017, 253, 201-214.	3.5	3
67	Location-aware publish/subscribe index with complex boolean expressions. World Wide Web, 2017, 20, 1363-1384.	2.7	3
68	Context-aware graph pattern based top-k designated nodes finding in social graphs. World Wide Web, 2019, 22, 751-770.	2.7	3
69	Consensus with Voting Theory in Blockchain Environments. , 2019, , .		3
70	An efficient method for top-k graph based node matching. World Wide Web, 2019, 22, 945-966.	2.7	3
71	User experience-driven secure task assignment in spatial crowdsourcing. World Wide Web, 2020, 23, 2131-2151.	2.7	3
72	A Social Trust Path Recommendation System in Contextual Online Social Networks. Lecture Notes in Computer Science, 2014, , 652-656.	1.0	3

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73	An Efficient Method to Find the Optimal Social Trust Path in Contextual Social Graphs. Lecture Notes in Computer Science, 2015, , 399-417.	1.0	3
74	Anonymity-Based Privacy-Preserving Task Assignment in Spatial Crowdsourcing. Lecture Notes in Computer Science, 2017, , 263-277.	1.0	3
75	A Distributed Reputation Control Architecture Based on Virtual Organizational Domains in the Grid Economy. , 2008, , .		2
76	An Expectation Trust Benefit Driven Algorithm for Resource Scheduling in Grid Computing. , 2008, , .		2
77	A New Grid Resource Management Mechanism Based on D-S Theory. , 2008, , .		2
78	A New QoS Guaranteed Mechanism Based on SLA in Grid Market. , 2009, , .		2
79	A QoS-constrained scheduling for access requests in cloud storage. , 2015, , .		2
80	Strong Social Component-Aware Trust Sub-network Extraction in Contextual Social Networks. , 2016, , .		2
81	Modeling Travel Behavior Similarity with Trajectory Embedding. Lecture Notes in Computer Science, 2018, , 630-646.	1.0	2
82	Social context-aware trust paths finding for trustworthy service provider selection in social media. Multimedia Tools and Applications, 2019, 78, 24473-24500.	2.6	2
83	Trust-Oriented Service Provider Selection in Complex Online Social Networks. , 2014, , 363-380.		2
84	TK-SK: Textual-Restricted $$K$$ Spatial Keyword Query on Road Networks. Lecture Notes in Computer Science, 2015, , 167-179.	1.0	2
85	An Efficient Location-Aware Publish/Subscribe Index with Boolean Expressions. Lecture Notes in Computer Science, 2015, , 216-231.	1.0	2
86	Towards Privacy-Preserving Travel-Time-First Task Assignment in Spatial Crowdsourcing. Lecture Notes in Computer Science, 2018, , 19-34.	1.0	2
87	PPS-POI-Rec: A Privacy Preserving Social Point-of-Interest Recommender System. Lecture Notes in Computer Science, 2015, , 875-878.	1.0	2
88	An Efficient Trust-Oriented Trip Planning Method in Road Networks. , 2014, , .		1
89	Core Network Based Multi-label Classification in Large-Scale Social Network Environments. , 2015, , .		1
90	Pair-Wise Collision-Based Underwater Time Synchronization. Journal of Network and Systems Management, 2016, 24, 813-833.	3.3	1

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91	Bootstrapped Multi-level Distant Supervision for Relation Extraction. Lecture Notes in Computer Science, 2018, , 408-423.	1.0	1
92	Multi-Objective Optimization-Based Networked Multi-Label Active Learning. Journal of Database Management, 2019, 30, 1-26.	1.0	1
93	Reinforcement Learning Based Monte Carlo Tree Search for Temporal Path Discovery. , 2019, , .		1
94	Partition-Aware Graph Pattern based Node Matching with Updates. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	1
95	WebEL: Improving Entity Linking with Extra Web Contexts. Lecture Notes in Computer Science, 2019, , 507-522.	1.0	1
96	CAT: Context-Aware Trust-Oriented Worker Selection in Social Crowd. Computing and Informatics, 2017, 36, 517-540.	0.4	1
97	A Time-Aware Path-Based Publish/Subscribe Framework. Lecture Notes in Computer Science, 2018, , 511-528.	1.0	1
98	MCOPS-SPM: Multi-Constrained Optimized Path Selection Based Spatial Pattern Matching in Social Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 3-19.	0.2	1
99	LIFOSS: a learned index scheme for streaming scenarios. World Wide Web, 2023, 26, 501-518.	2.7	1
100	A Benefit Driven Grid Jobs Scheduling Heuristic Algorithm. , 2008, , .		0
101	A New Grid Economy Architecture with Resources Pricing Fluctuation Based on Belief Function. , 2008, , .		0
102	Application of Mobile Agent Framework in the Campus Data Grid Architecture. , 2008, , .		0
103	A New Trust Mechanism with Penalty and Bonus Based on Agent in Grid Market. , 2009, , .		0
104	A New Resource Pricing Fluctuation Model with Trust System in Grid Economy. , 2009, , .		0
105	Computing Resources Market in Grid and Cloud Based on Contract Management. , 2012, , .		0
106	Misclassification Minimization Based on Multiple Criteria Linear Programming. , 2014, , .		0
107	Social Community-Oriented Social Attribute Analysis: An Empirical Study on QQ Group Data. , 2015, , .		0
108	Ranking-Based Multi-source Rating Aggregation with Social Contexts. , 2015, , .		0

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109	Discovering Organized POI Groups in a City. Lecture Notes in Computer Science, 2015, , 223-226.	1.0	0
110	A Robust Approach to Finding Trustworthy Influencer in Trust-Oriented E-Commerce Environments. Lecture Notes in Computer Science, 2016, , 387-401.	1.0	0
111	The interaction between schema matching and record matching in data integration (extended) Tj ETQq1 1 0.784314 rgBT /Overlock 10		0
112	Preface to the Special Issue on Graph Data Management in Online Social Networks. World Wide Web, 2020, 23, 691-692.	2.7	0
113	Cloud-Based K-Closest Pairs Discovery in Dynamic Cyber-Physical-Social Systems. IEEE Access, 2020, 8, 70664-70675.	2.6	0
114	Graph-Based Node Finding in Big Complex Contextual Social Graphs. Complexity, 2020, 2020, 1-13.	0.9	0
115	Batch Mode Active Learning for Networked Data with Optimal Subset Selection. Lecture Notes in Computer Science, 2015, , 96-108.	1.0	0
116	On Efficient Passenger Assignment for Group Transportation. Lecture Notes in Computer Science, 2015, , 226-243.	1.0	0
117	CTextEM: Using Consolidated Textual Data for Entity Matching. Lecture Notes in Computer Science, 2016, , 117-132.	1.0	0
118	A Hybrid Machine-Crowdsourcing Approach for Web Table Matching and Cleaning. Lecture Notes in Computer Science, 2016, , 132-144.	1.0	0
119	A Hybrid Method for POI Recommendation: Combining Check-In Count, Geographical Information and Reviews. Lecture Notes in Computer Science, 2016, , 162-173.	1.0	0
120	A Multi-Constrained Temporal Path Query System. Lecture Notes in Computer Science, 2018, , 39-43.	1.0	0
121	Resource Management Using New Reputation Model in Computational Economy for Grid. , 2007, , .		0
122	Reputation Evaluation Framework Based on QoS in Grid Economy Environments. , 0, , 219-232.		0