

Jinjun Chen

List of Publications by Year in descending order

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129
papers

7,519
citations

50276

46
h-index

58581

82
g-index

133
all docs

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docs citations

133
times ranked

4883
citing authors

#	ARTICLE	IF	CITATIONS
1	Privacy Preserving High-Order Bi-Lanczos in Cloud-Fog Computing for Industrial Applications. IEEE Transactions on Industrial Informatics, 2022, 18, 7009-7018.	11.3	43
2	A Many-Objective Optimization Based Intelligent High Performance Data Processing Model for Cyber-Physical-Social Systems. IEEE Transactions on Network Science and Engineering, 2022, 9, 3825-3834.	6.4	19
3	Sign language digits and alphabets recognition by capsule networks. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 2131-2141.	4.9	5
4	Optimizing Blockchain Based Smart Grid Auctions: A Green Revolution. IEEE Transactions on Green Communications and Networking, 2022, 6, 462-471.	5.5	13
5	Differential Privacy in Cognitive Radio Networks: A Comprehensive Survey. Cognitive Computation, 2022, 14, 475-510.	5.2	6
6	Secure Outsourced Principal Eigentensor Computation for Cyber-Physical-Social Systems. IEEE Transactions on Sustainable Computing, 2021, 6, 119-130.	3.1	3
7	Enabling Privacy-Preserving Shortest Distance Queries on Encrypted Graph Data. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 192-204.	5.4	24
8	A polynomial-time algorithm for simple undirected graph isomorphism. Concurrency Computation Practice and Experience, 2021, 33, 1-1.	2.2	10
9	A Many-Objective Multistage Optimization-Based Fuzzy Decision-Making Model for Coal Production Prediction. IEEE Transactions on Fuzzy Systems, 2021, 29, 3665-3675.	9.8	24
10	A Novel Memory-hard Password Hashing Scheme for Blockchain-based Cyber-physical Systems. ACM Transactions on Internet Technology, 2021, 21, 1-21.	4.4	5
11	Explainable recommendation based on knowledge graph and multi-objective optimization. Complex & Intelligent Systems, 2021, 7, 1241-1252.	6.5	38
12	Malicious Code Detection under 5G HetNets Based on a Multi-Objective RBM Model. IEEE Network, 2021, 35, 82-87.	6.9	105
13	A Many-Objective Optimization Based Intelligent Intrusion Detection Algorithm for Enhancing Security of Vehicular Networks in 6G. IEEE Transactions on Vehicular Technology, 2021, 70, 5234-5243.	6.3	51
14	Unified integration of many-objective optimization algorithm based on temporary offspring for software defects prediction. Swarm and Evolutionary Computation, 2021, 63, 100871.	8.1	18
15	A Multicloud-Model-Based Many-Objective Intelligent Algorithm for Efficient Task Scheduling in Internet of Things. IEEE Internet of Things Journal, 2021, 8, 9645-9653.	8.7	148
16	A New Subspace Clustering Strategy for AI-Based Data Analysis in IoT System. IEEE Internet of Things Journal, 2021, 8, 12540-12549.	8.7	131
17	A Sharding Scheme-Based Many-Objective Optimization Algorithm for Enhancing Security in Blockchain-Enabled Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 7650-7658.	11.3	80
18	An improved matrix factorization based model for many-objective optimization recommendation. Information Sciences, 2021, 579, 1-14.	6.9	32

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19	A Survey on Big Multimedia Data Processing and Management in Smart Cities. ACM Computing Surveys, 2020, 52, 1-29.	23.0	32
20	A Scalable Multi-Data Sources Based Recursive Approximation Approach for Fast Error Recovery in Big Sensing Data on Cloud. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 841-854.	5.7	8
21	Optimal placement of barrier coverage in heterogeneous bistatic radar sensor networks. World Wide Web, 2020, 23, 1361-1380.	4.0	2
22	A Mobile Multimedia Data Collection Scheme for Secured Wireless Multimedia Sensor Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 274-284.	6.4	26
23	Differential Privacy Techniques for Cyber Physical Systems: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 746-789.	39.4	335
24	A Gaussian error correction multi-objective positioning model with NSGA-II. Concurrency Computation Practice and Experience, 2020, 32, e5464.	2.2	147
25	A Survey on Representation Learning Efforts in Cybersecurity Domain. ACM Computing Surveys, 2020, 52, 1-28.	23.0	18
26	An under-sampled software defect prediction method based on hybrid multi-objective cuckoo search. Concurrency Computation Practice and Experience, 2020, 32, e5478.	2.2	203
27	A Hybrid Blockchain-Based Identity Authentication Scheme for Multi-WSN. IEEE Transactions on Services Computing, 2020, , 1-1.	4.6	166
28	Personalized Recommendation System Based on Collaborative Filtering for IoT Scenarios. IEEE Transactions on Services Computing, 2020, 13, 685-695.	4.6	346
29	A Distributed and Anonymous Data Collection Framework Based on Multilevel Edge Computing Architecture. IEEE Transactions on Industrial Informatics, 2020, 16, 6114-6123.	11.3	20
30	An Experimental Investigation Into the Hash Functions Used in Blockchains. IEEE Transactions on Engineering Management, 2020, 67, 1404-1424.	3.5	21
31	Dual incremental fuzzy schemes for frequent itemsets discovery in streaming numeric data. Information Sciences, 2020, 514, 15-43.	6.9	4
32	Hybrid many-objective cuckoo search algorithm with Levy and exponential distributions. Memetic Computing, 2020, 12, 251-265.	4.0	16
33	Weight convergence analysis of DV-hop localization algorithm with GA. Soft Computing, 2020, 24, 18249-18258.	3.6	25
34	A Fuzzy Theory Based Topological Distance Measurement for Undirected Multigraphs. , 2020, , .		1
35	A many-objective optimization recommendation algorithm based on knowledge mining. Information Sciences, 2020, 537, 148-161.	6.9	81
36	A hybrid recommendation system with many-objective evolutionary algorithm. Expert Systems With Applications, 2020, 159, 113648.	7.6	84

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37	Differential privacy in blockchain technology: A futuristic approach. Journal of Parallel and Distributed Computing, 2020, 145, 50-74.	4.1	58
38	Guest editorial: special issue on data science in cyberspace 2019. World Wide Web, 2020, 23, 2489-2490.	4.0	0
39	Hybrid many-objective particle swarm optimization algorithm for green coal production problem. Information Sciences, 2020, 518, 256-271.	6.9	140
40	A DBN-Based Ensemble Method for Resource Usage Prediction in Clouds. Advances in Intelligent Systems and Computing, 2020, , 943-950.	0.6	1
41	Multivariate Multi-Order Markov Multi-Modal Prediction With Its Applications in Network Traffic Management. IEEE Transactions on Network and Service Management, 2019, 16, 828-841.	4.9	35
42	Multi-Objective Three-Dimensional DV-Hop Localization Algorithm With NSGA-II. IEEE Sensors Journal, 2019, 19, 10003-10015.	4.7	114
43	An Extensible Toolkit for Resource Usage Prediction in Clouds. , 2019, , .		0
44	DEAL: Differentially Private Auction for Blockchain based Microgrids Energy Trading. IEEE Transactions on Services Computing, 2019, , 1-1.	4.6	63
45	A Coupling Approach With GSO-BFOA for Many-Objective Optimization. IEEE Access, 2019, 7, 120248-120261.	4.2	5
46	An enhanced priority-based scheduling heuristic for DAG applications with temporal unpredictability in task execution and data transmission. Future Generation Computer Systems, 2019, 100, 428-439.	7.5	9
47	A Tensor-Based Forensics Framework for Virtualized Network Functions in the Internet of Things: Utilizing Tensor Algebra in Facilitating More Efficient Network Forensic Investigations. IEEE Consumer Electronics Magazine, 2019, 8, 23-27.	2.3	11
48	Differential privacy for renewable energy resources based smart metering. Journal of Parallel and Distributed Computing, 2019, 131, 69-80.	4.1	46
49	A Multi-Objective DV-Hop Localization Algorithm Based on NSGA-II in Internet of Things. Mathematics, 2019, 7, 184.	2.2	101
50	Privacy preservation in blockchain based IoT systems: Integration issues, prospects, challenges, and future research directions. Future Generation Computer Systems, 2019, 97, 512-529.	7.5	370
51	A Novel Bat Algorithm with Multiple Strategies Coupling for Numerical Optimization. Mathematics, 2019, 7, 135.	2.2	90
52	A pigeon-inspired optimization algorithm for many-objective optimization problems. Science China Information Sciences, 2019, 62, 1.	4.3	170
53	P2DCA: A Privacy-Preserving-Based Data Collection and Analysis Framework for IoMT Applications. IEEE Journal on Selected Areas in Communications, 2019, 37, 1222-1230.	14.0	49
54	A Web Services Classification Method Based on GCN. , 2019, , .		18

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55	Host-Based Intrusion Detection System with System Calls. ACM Computing Surveys, 2019, 51, 1-36.	23.0	76
56	Secure Tensor Decomposition for Big Data Using Transparent Computing Paradigm. IEEE Transactions on Computers, 2019, 68, 585-596.	3.4	5
57	Optimal LEACH protocol with modified bat algorithm for big data sensing systems in Internet of Things. Journal of Parallel and Distributed Computing, 2019, 132, 217-229.	4.1	177
58	SEEN: A Selective Encryption Method to Ensure Confidentiality for Big Sensing Data Streams. IEEE Transactions on Big Data, 2019, 5, 379-392.	6.1	32
59	Big Data Stream Security Classification for IoT Applications. , 2019, , 325-330.		2
60	A Holistic Approach for Distributed Dimensionality Reduction of Big Data. IEEE Transactions on Cloud Computing, 2018, 6, 506-518.	4.4	16
61	Detection of Malicious Code Variants Based on Deep Learning. IEEE Transactions on Industrial Informatics, 2018, 14, 3187-3196.	11.3	452
62	A two-stage locality-sensitive hashing based approach for privacy-preserving mobile service recommendation in cross-platform edge environment. Future Generation Computer Systems, 2018, 88, 636-643.	7.5	175
63	Hybrid multi-objective cuckoo search with dynamical local search. Memetic Computing, 2018, 10, 199-208.	4.0	164
64	IoT and Big Data: An Architecture with Data Flow and Security Issues. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 243-252.	0.3	5
65	Towards Energy-Efficient Scheduling with Batch Processing for Instance-Intensive Cloud Workflows. , 2018, , .		4
66	Guest Editorial: Big Data Infrastructure II. IEEE Transactions on Big Data, 2018, 4, 299-300.	6.1	2
67	Guest Editorial: Big Data Infrastructure I. IEEE Transactions on Big Data, 2018, 4, 148-149.	6.1	4
68	Big Data Stream Security Classification for IoT Applications. , 2018, , 1-5.		3
69	Service Mining for Trusted Service Composition in Cross-Cloud Environment. IEEE Systems Journal, 2017, 11, 283-294.	4.6	21
70	A dynamic prime number based efficient security mechanism for big sensing data streams. Journal of Computer and System Sciences, 2017, 83, 22-42.	1.2	54
71	A traffic hotline discovery method over cloud of things using big taxi GPS data. Software - Practice and Experience, 2017, 47, 361-377.	3.6	15
72	High Performance Computing for Cyber Physical Social Systems by Using Evolutionary Multi-Objective Optimization Algorithm. IEEE Transactions on Emerging Topics in Computing, 2017, , 1-1.	4.6	123

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73	Graph Encryption for Top-K Nearest Keyword Search Queries on Cloud. IEEE Transactions on Sustainable Computing, 2017, 2, 371-381.	3.1	18
74	Efficient Nonlinear Regression-Based Compression of Big Sensing Data on Cloud. , 2017, , 83-98.		3
75	DLSeF. Transactions on Embedded Computing Systems, 2017, 16, 1-24.	2.9	61
76	A novel oriented cuckoo search algorithm to improve DV-Hop performance for cyber-physical systems. Journal of Parallel and Distributed Computing, 2017, 103, 42-52.	4.1	250
77	Efficient searchable symmetric encryption for storing multiple source dynamic social data on cloud. Journal of Network and Computer Applications, 2017, 86, 3-14.	9.1	23
78	A Synchronized Shared Key Generation Method for Maintaining End-to-End Security of Big Data Streams. , 2017, , .		17
79	Weighted principal component analysis-based service selection method for multimedia services in cloud. Computing (Vienna/New York), 2016, 98, 195-214.	4.8	65
80	HKE-BC: hierarchical key exchange for secure scheduling and auditing of big data in cloud computing. Concurrency Computation Practice and Experience, 2016, 28, 646-660.	2.2	13
81	Threats to Networking Cloud and Edge Datacenters in the Internet of Things. IEEE Cloud Computing, 2016, 3, 64-71.	3.9	144
82	A Secure Big Data Stream Analytics Framework for Disaster Management on the Cloud. , 2016, , .		24
83	A Deployment Optimization Scheme Over Multimedia Big Data for Large-Scale Media Streaming Application. ACM Transactions on Multimedia Computing, Communications and Applications, 2016, 12, 1-23.	4.3	6
84	Cloud-Assisted Key Distribution in Batch for Secure Real-time Mobile Services. IEEE Transactions on Services Computing, 2016, , 1-1.	4.6	7
85	Frame Interpolation for Cloud-Based Mobile Video Streaming. IEEE Transactions on Multimedia, 2016, 18, 831-839.	7.2	30
86	<i>EnReal</i> : An Energy-Aware Resource Allocation Method for Scientific Workflow Executions in Cloud Environment. IEEE Transactions on Cloud Computing, 2016, 4, 166-179.	4.4	125
87	Cloud service QoS prediction via exploiting collaborative filtering and location-based data smoothing. Concurrency Computation Practice and Experience, 2015, 27, 5826-5839.	2.2	43
88	DPBSV – An Efficient and Secure Scheme for Big Sensing Data Stream. , 2015, , .		17
89	Efficiently Predicting Trustworthiness of Mobile Services Based on Trust Propagation in Social Networks. Mobile Networks and Applications, 2015, 20, 840-852.	3.3	10
90	Cybermatics: A Holistic Field for Systematic Study of Cyber-Enabled New Worlds. IEEE Access, 2015, 3, 2270-2280.	4.2	25

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91	Efficient Searchable Symmetric Encryption for Storing Multiple Source Data on Cloud. , 2015, , .		8
92	MuR-DPA: Top-Down Levelled Multi-Replica Merkle Hash Tree Based Secure Public Auditing for Dynamic Big Data Storage on Cloud. IEEE Transactions on Computers, 2015, 64, 2609-2622.	3.4	183
93	Proximity-Aware Local-Recoding Anonymization with MapReduce for Scalable Big Data Privacy Preservation in Cloud. IEEE Transactions on Computers, 2015, 64, 2293-2307.	3.4	89
94	A Time Efficient Approach for Detecting Errors in Big Sensor Data on Cloud. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 329-339.	5.6	67
95	HireSome-II: Towards Privacy-Aware Cross-Cloud Service Composition for Big Data Applications. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 455-466.	5.6	101
96	Guest editorial: Special issue on data intensive cloud computing. Computing (Vienna/New York), 2015, 97, 333-335.	4.8	0
97	Efficient Algorithms for Social Network Coverage and Reach. , 2015, , .		10
98	A service evaluation method for cross-cloud service choreography. Concurrency Computation Practice and Experience, 2015, 27, 2373-2389.	2.2	2
99	External integrity verification for outsourced big data in cloud and IoT: A big picture. Future Generation Computer Systems, 2015, 49, 58-67.	7.5	153
100	Privacy Preservation over Big Data in Cloud Systems. , 2014, , 239-257.		21
101	A security framework in G-Hadoop for big data computing across distributed Cloud data centres. Journal of Computer and System Sciences, 2014, 80, 994-1007.	1.2	96
102	A hybrid approach for scalable sub-tree anonymization over big data using MapReduce on cloud. Journal of Computer and System Sciences, 2014, 80, 1008-1020.	1.2	98
103	A Scalable Two-Phase Top-Down Specialization Approach for Data Anonymization Using MapReduce on Cloud. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 363-373.	5.6	185
104	KASR: A Keyword-Aware Service Recommendation Method on MapReduce for Big Data Applications. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3221-3231.	5.6	127
105	Introduction: Social Computing and Social Networks. Journal of Organizational Computing and Electronic Commerce, 2014, 24, 119-121.	1.8	6
106	A spatiotemporal compression based approach for efficient big data processing on Cloud. Journal of Computer and System Sciences, 2014, 80, 1563-1583.	1.2	67
107	A clustering based coscheduling strategy for efficient scientific workflow execution in cloud computing. Concurrency Computation Practice and Experience, 2013, 25, 2523-2539.	2.2	20
108	A Privacy Leakage Upper Bound Constraint-Based Approach for Cost-Effective Privacy Preserving of Intermediate Data Sets in Cloud. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1192-1202.	5.6	100

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109	A MapReduce Based Approach of Scalable Multidimensional Anonymization for Big Data Privacy Preservation on Cloud. , 2013, , .		31
110	A Highly Practical Approach toward Achieving Minimum Data Sets Storage Cost in the Cloud. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1234-1244.	5.6	68
111	A Privacy-Leakage-Tolerance Based Noise Enhancing Strategy for Privacy Protection in Cloud Computing. , 2013, , .		6
112	Querying Streaming XML Big Data with Multiple Filters on Cloud. , 2013, , .		1
113	Combining Top-Down and Bottom-Up: Scalable Sub-tree Anonymization over Big Data Using MapReduce on Cloud. , 2013, , .		20
114	CCBKE " Session key negotiation for fast and secure scheduling of scientific applications in cloud computing. Future Generation Computer Systems, 2013, 29, 1300-1308.	7.5	23
115	A QoS-aware service discovery method for elastic cloud computing in an unstructured peer-to-peer network. Concurrency Computation Practice and Experience, 2013, 25, 1843-1860.	2.2	13
116	An efficient quasi-identifier index based approach for privacy preservation over incremental data sets on cloud. Journal of Computer and System Sciences, 2013, 79, 542-555.	1.2	68
117	An Iterative Hierarchical Key Exchange Scheme for Secure Scheduling of Big Data Applications in Cloud Computing. , 2013, , .		16
118	Public Auditing for Big Data Storage in Cloud Computing – A Survey. , 2013, , .		57
119	Social Sentiment Detection of Event via Microblog. , 2013, , .		4
120	Selecting Top-k Composite Web Services Using Preference-Aware Dominance Relationship. , 2013, , .		21
121	SaFRAPP: a scalable and cost-effective framework for privacy preservation over big data on cloud. Concurrency Computation Practice and Experience, 2013, 25, 2561-2576.	2.2	19
122	Risk-Aware Checkpoint Selection in Cloud-Based Scientific Workflow. , 2012, , .		4
123	Workflow Refactoring for Concurrent Task Execution. , 2012, , .		0
124	A Time-Series Pattern Based Noise Generation Strategy for Privacy Protection in Cloud Computing. , 2012, , .		11
125	Key Research Issues for Privacy Protection and Preservation in Cloud Computing. , 2012, , .		5
126	Privacy-Preserving Layer over MapReduce on Cloud. , 2012, , .		11

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127	An Authenticated Key Exchange Scheme for Efficient Security-Aware Scheduling of Scientific Applications in Cloud Computing. , 2011, , .		7
128	An Upper-Bound Control Approach for Cost-Effective Privacy Protection of Intermediate Dataset Storage in Cloud. , 2011, , .		5
129	Graph-Cut Based Coscheduling Strategy Towards Efficient Execution of Scientific Workflows in Collaborative Cloud Environments. , 2011, , .		12