

Jinjun Chen

List of Publications by Year in descending order

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129
papers

7,519
citations

50244

46
h-index

58549

82
g-index

133
all docs

133
docs citations

133
times ranked

4883
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Malicious Code Variants Based on Deep Learning. IEEE Transactions on Industrial Informatics, 2018, 14, 3187-3196.	7.2	452
2	Privacy preservation in blockchain based IoT systems: Integration issues, prospects, challenges, and future research directions. Future Generation Computer Systems, 2019, 97, 512-529.	4.9	370
3	Personalized Recommendation System Based on Collaborative Filtering for IoT Scenarios. IEEE Transactions on Services Computing, 2020, 13, 685-695.	3.2	346
4	Differential Privacy Techniques for Cyber Physical Systems: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 746-789.	24.8	335
5	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.	2.7	250
6	An under-sampled software defect prediction method based on hybrid multi-objective cuckoo search. Concurrency Computation Practice and Experience, 2020, 32, e5478.	1.4	203
7	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.	4.0	185
8	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.	2.4	183
9	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.	2.7	177
10	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.	4.9	175
11	A pigeon-inspired optimization algorithm for many-objective optimization problems. Science China Information Sciences, 2019, 62, 1.	2.7	170
12	A Hybrid Blockchain-Based Identity Authentication Scheme for Multi-WSN. IEEE Transactions on Services Computing, 2020, , 1-1.	3.2	166
13	Hybrid multi-objective cuckoo search with dynamical local search. Memetic Computing, 2018, 10, 199-208.	2.7	164
14	External integrity verification for outsourced big data in cloud and IoT: A big picture. Future Generation Computer Systems, 2015, 49, 58-67.	4.9	153
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.	5.5	148
16	A Gaussian error correction multi-objective positioning model with NSGA-II. Concurrency Computation Practice and Experience, 2020, 32, e5464.	1.4	147
17	Threats to Networking Cloud and Edge Datacenters in the Internet of Things. IEEE Cloud Computing, 2016, 3, 64-71.	5.3	144
18	Hybrid many-objective particle swarm optimization algorithm for green coal production problem. Information Sciences, 2020, 518, 256-271.	4.0	140

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19	A New Subspace Clustering Strategy for AI-Based Data Analysis in IoT System. IEEE Internet of Things Journal, 2021, 8, 12540-12549.	5.5	131
20	KASR: A Keyword-Aware Service Recommendation Method on MapReduce for Big Data Applications. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3221-3231.	4.0	127
21	<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.	3.1	125
22	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.	3.2	123
23	Multi-Objective Three-Dimensional DV-Hop Localization Algorithm With NSGA-II. IEEE Sensors Journal, 2019, 19, 10003-10015.	2.4	114
24	Malicious Code Detection under 5G HetNets Based on a Multi-Objective RBM Model. IEEE Network, 2021, 35, 82-87.	4.9	105
25	HireSome-II: Towards Privacy-Aware Cross-Cloud Service Composition for Big Data Applications. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 455-466.	4.0	101
26	A Multi-Objective DV-Hop Localization Algorithm Based on NSGA-II in Internet of Things. Mathematics, 2019, 7, 184.	1.1	101
27	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.	4.0	100
28	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.	0.9	98
29	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.	0.9	96
30	A Novel Bat Algorithm with Multiple Strategies Coupling for Numerical Optimization. Mathematics, 2019, 7, 135.	1.1	90
31	Proximity-Aware Local-Recoding Anonymization with MapReduce for Scalable Big Data Privacy Preservation in Cloud. IEEE Transactions on Computers, 2015, 64, 2293-2307.	2.4	89
32	A hybrid recommendation system with many-objective evolutionary algorithm. Expert Systems With Applications, 2020, 159, 113648.	4.4	84
33	A many-objective optimization recommendation algorithm based on knowledge mining. Information Sciences, 2020, 537, 148-161.	4.0	81
34	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.	7.2	80
35	Host-Based Intrusion Detection System with System Calls. ACM Computing Surveys, 2019, 51, 1-36.	16.1	76
36	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.	4.0	68

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37	An efficient quasi-identifier index based approach for privacy preservation over incremental data sets on cloud. <i>Journal of Computer and System Sciences</i> , 2013, 79, 542-555.	0.9	68
38	A spatiotemporal compression based approach for efficient big data processing on Cloud. <i>Journal of Computer and System Sciences</i> , 2014, 80, 1563-1583.	0.9	67
39	A Time Efficient Approach for Detecting Errors in Big Sensor Data on Cloud. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2015, 26, 329-339.	4.0	67
40	Weighted principal component analysis-based service selection method for multimedia services in cloud. <i>Computing (Vienna/New York)</i> , 2016, 98, 195-214.	3.2	65
41	DEAL: Differentially Private Auction for Blockchain based Microgrids Energy Trading. <i>IEEE Transactions on Services Computing</i> , 2019, , 1-1.	3.2	63
42	DLSeF. <i>Transactions on Embedded Computing Systems</i> , 2017, 16, 1-24.	2.1	61
43	Differential privacy in blockchain technology: A futuristic approach. <i>Journal of Parallel and Distributed Computing</i> , 2020, 145, 50-74.	2.7	58
44	Public Auditing for Big Data Storage in Cloud Computing – A Survey. , 2013, , .		57
45	A dynamic prime number based efficient security mechanism for big sensing data streams. <i>Journal of Computer and System Sciences</i> , 2017, 83, 22-42.	0.9	54
46	A Many-Objective Optimization Based Intelligent Intrusion Detection Algorithm for Enhancing Security of Vehicular Networks in 6G. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 5234-5243.	3.9	51
47	P2DCA: A Privacy-Preserving-Based Data Collection and Analysis Framework for IoMT Applications. <i>IEEE Journal on Selected Areas in Communications</i> , 2019, 37, 1222-1230.	9.7	49
48	Differential privacy for renewable energy resources based smart metering. <i>Journal of Parallel and Distributed Computing</i> , 2019, 131, 69-80.	2.7	46
49	Cloud service QoS prediction via exploiting collaborative filtering and location-based data smoothing. <i>Concurrency Computation Practice and Experience</i> , 2015, 27, 5826-5839.	1.4	43
50	Privacy Preserving High-Order Bi-Lanczos in Cloud-Fog Computing for Industrial Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 7009-7018.	7.2	43
51	Explainable recommendation based on knowledge graph and multi-objective optimization. <i>Complex & Intelligent Systems</i> , 2021, 7, 1241-1252.	4.0	38
52	Multivariate Multi-Order Markov Multi-Modal Prediction With Its Applications in Network Traffic Management. <i>IEEE Transactions on Network and Service Management</i> , 2019, 16, 828-841.	3.2	35
53	A Survey on Big Multimedia Data Processing and Management in Smart Cities. <i>ACM Computing Surveys</i> , 2020, 52, 1-29.	16.1	32
54	SEEN: A Selective Encryption Method to Ensure Confidentiality for Big Sensing Data Streams. <i>IEEE Transactions on Big Data</i> , 2019, 5, 379-392.	4.4	32

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55	An improved matrix factorization based model for many-objective optimization recommendation. Information Sciences, 2021, 579, 1-14.	4.0	32
56	A MapReduce Based Approach of Scalable Multidimensional Anonymization for Big Data Privacy Preservation on Cloud. , 2013, , .		31
57	Frame Interpolation for Cloud-Based Mobile Video Streaming. IEEE Transactions on Multimedia, 2016, 18, 831-839.	5.2	30
58	A Mobile Multimedia Data Collection Scheme for Secured Wireless Multimedia Sensor Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 274-284.	4.1	26
59	Cybermatics: A Holistic Field for Systematic Study of Cyber-Enabled New Worlds. IEEE Access, 2015, 3, 2270-2280.	2.6	25
60	Weight convergence analysis of DV-hop localization algorithm with GA. Soft Computing, 2020, 24, 18249-18258.	2.1	25
61	A Secure Big Data Stream Analytics Framework for Disaster Management on the Cloud. , 2016, , .		24
62	Enabling Privacy-Preserving Shortest Distance Queries on Encrypted Graph Data. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 192-204.	3.7	24
63	A Many-Objective Multistage Optimization-Based Fuzzy Decision-Making Model for Coal Production Prediction. IEEE Transactions on Fuzzy Systems, 2021, 29, 3665-3675.	6.5	24
64	CCBKE " Session key negotiation for fast and secure scheduling of scientific applications in cloud computing. Future Generation Computer Systems, 2013, 29, 1300-1308.	4.9	23
65	Efficient searchable symmetric encryption for storing multiple source dynamic social data on cloud. Journal of Network and Computer Applications, 2017, 86, 3-14.	5.8	23
66	Selecting Top-k Composite Web Services Using Preference-Aware Dominance Relationship. , 2013, , .		21
67	Privacy Preservation over Big Data in Cloud Systems. , 2014, , 239-257.		21
68	Service Mining for Trusted Service Composition in Cross-Cloud Environment. IEEE Systems Journal, 2017, 11, 283-294.	2.9	21
69	An Experimental Investigation Into the Hash Functions Used in Blockchains. IEEE Transactions on Engineering Management, 2020, 67, 1404-1424.	2.4	21
70	A clustering based coscheduling strategy for efficient scientific workflow execution in cloud computing. Concurrency Computation Practice and Experience, 2013, 25, 2523-2539.	1.4	20
71	Combining Top-Down and Bottom-Up: Scalable Sub-tree Anonymization over Big Data Using MapReduce on Cloud. , 2013, , .		20
72	A Distributed and Anonymous Data Collection Framework Based on Multilevel Edge Computing Architecture. IEEE Transactions on Industrial Informatics, 2020, 16, 6114-6123.	7.2	20

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73	SaCâ€FRAPP: a scalable and costâ€effective framework for privacy preservation over big data on cloud. Concurrency Computation Practice and Experience, 2013, 25, 2561-2576.	1.4	19
74	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.	4.1	19
75	Graph Encryption for Top-K Nearest Keyword Search Queries on Cloud. IEEE Transactions on Sustainable Computing, 2017, 2, 371-381.	2.2	18
76	A Web Services Classification Method Based on GCN. , 2019, , .		18
77	A Survey on Representation Learning Efforts in Cybersecurity Domain. ACM Computing Surveys, 2020, 52, 1-28.	16.1	18
78	Unified integration of many-objective optimization algorithm based on temporary offspring for software defects prediction. Swarm and Evolutionary Computation, 2021, 63, 100871.	4.5	18
79	DPBSV – An Efficient and Secure Scheme for Big Sensing Data Stream. , 2015, , .		17
80	A Synchronized Shared Key Generation Method for Maintaining End-to-End Security of Big Data Streams. , 2017, , .		17
81	An Iterative Hierarchical Key Exchange Scheme for Secure Scheduling of Big Data Applications in Cloud Computing. , 2013, , .		16
82	A Holistic Approach for Distributed Dimensionality Reduction of Big Data. IEEE Transactions on Cloud Computing, 2018, 6, 506-518.	3.1	16
83	Hybrid many-objective cuckoo search algorithm with Lévy and exponential distributions. Memetic Computing, 2020, 12, 251-265.	2.7	16
84	A traffic hotline discovery method over cloud of things using big taxi GPS data. Software - Practice and Experience, 2017, 47, 361-377.	2.5	15
85	A QoSâ€aware service discovery method for elastic cloud computing in an unstructured peerâ€toâ€peer network. Concurrency Computation Practice and Experience, 2013, 25, 1843-1860.	1.4	13
86	HKEâ€BC: hierarchical key exchange for secure scheduling and auditing of big data in cloud computing. Concurrency Computation Practice and Experience, 2016, 28, 646-660.	1.4	13
87	Optimizing Blockchain Based Smart Grid Auctions: A Green Revolution. IEEE Transactions on Green Communications and Networking, 2022, 6, 462-471.	3.5	13
88	Graph-Cut Based Coscheduling Strategy Towards Efficient Execution of Scientific Workflows in Collaborative Cloud Environments. , 2011, , .		12
89	A Time-Series Pattern Based Noise Generation Strategy for Privacy Protection in Cloud Computing. , 2012, , .		11
90	Privacy-Preserving Layer over MapReduce on Cloud. , 2012, , .		11

#	ARTICLE	IF	CITATIONS
91	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
92	Efficiently Predicting Trustworthiness of Mobile Services Based on Trust Propagation in Social Networks. Mobile Networks and Applications, 2015, 20, 840-852.	2.2	10
93	Efficient Algorithms for Social Network Coverage and Reach. , 2015, , .		10
94	A polynomial-time algorithm for simple undirected graph isomorphism. Concurrency Computation Practice and Experience, 2021, 33, 1-1.	1.4	10
95	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.	4.9	9
96	Efficient Searchable Symmetric Encryption for Storing Multiple Source Data on Cloud. , 2015, , .		8
97	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.	4.0	8
98	An Authenticated Key Exchange Scheme for Efficient Security-Aware Scheduling of Scientific Applications in Cloud Computing. , 2011, , .		7
99	Cloud-Assisted Key Distribution in Batch for Secure Real-time Mobile Services. IEEE Transactions on Services Computing, 2016, , 1-1.	3.2	7
100	A Privacy-Leakage-Tolerance Based Noise Enhancing Strategy for Privacy Protection in Cloud Computing. , 2013, , .		6
101	Introduction: Social Computing and Social Networks. Journal of Organizational Computing and Electronic Commerce, 2014, 24, 119-121.	1.0	6
102	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.	3.0	6
103	Differential Privacy in Cognitive Radio Networks: A Comprehensive Survey. Cognitive Computation, 2022, 14, 475-510.	3.6	6
104	An Upper-Bound Control Approach for Cost-Effective Privacy Protection of Intermediate Dataset Storage in Cloud. , 2011, , .		5
105	Key Research Issues for Privacy Protection and Preservation in Cloud Computing. , 2012, , .		5
106	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.	0.2	5
107	A Coupling Approach With GSO-BFOA for Many-Objective Optimization. IEEE Access, 2019, 7, 120248-120261.	2.6	5
108	Secure Tensor Decomposition for Big Data Using Transparent Computing Paradigm. IEEE Transactions on Computers, 2019, 68, 585-596.	2.4	5

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109	Sign language digits and alphabets recognition by capsule networks. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2022, 13, 2131-2141.	3.3	5
110	A Novel Memory-hard Password Hashing Scheme for Blockchain-based Cyber-physical Systems. <i>ACM Transactions on Internet Technology</i> , 2021, 21, 1-21.	3.0	5
111	Risk-Aware Checkpoint Selection in Cloud-Based Scientific Workflow. , 2012, , .		4
112	Social Sentiment Detection of Event via Microblog. , 2013, , .		4
113	Towards Energy-Efficient Scheduling with Batch Processing for Instance-Intensive Cloud Workflows. , 2018, , .		4
114	Guest Editorial: Big Data Infrastructure I. <i>IEEE Transactions on Big Data</i> , 2018, 4, 148-149.	4.4	4
115	Dual incremental fuzzy schemes for frequent itemsets discovery in streaming numeric data. <i>Information Sciences</i> , 2020, 514, 15-43.	4.0	4
116	Efficient Nonlinear Regression-Based Compression of Big Sensing Data on Cloud. , 2017, , 83-98.		3
117	Big Data Stream Security Classification for IoT Applications. , 2018, , 1-5.		3
118	Secure Outsourced Principal Eigentensor Computation for Cyber-Physical-Social Systems. <i>IEEE Transactions on Sustainable Computing</i> , 2021, 6, 119-130.	2.2	3
119	A service evaluation method for crossâ€cloud service choreography. <i>Concurrency Computation Practice and Experience</i> , 2015, 27, 2373-2389.	1.4	2
120	Guest Editorial: Big Data Infrastructure II. <i>IEEE Transactions on Big Data</i> , 2018, 4, 299-300.	4.4	2
121	Optimal placement of barrier coverage in heterogeneous bistatic radar sensor networks. <i>World Wide Web</i> , 2020, 23, 1361-1380.	2.7	2
122	Big Data Stream Security Classification for IoT Applications. , 2019, , 325-330.		2
123	Querying Streaming XML Big Data with Multiple Filters on Cloud. , 2013, , .		1
124	A Fuzzy Theory Based Topological Distance Measurement for Undirected Multigraphs. , 2020, , .		1
125	A DBN-Based Ensemble Method for Resource Usage Prediction in Clouds. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 943-950.	0.5	1
126	Workflow Refactoring for Concurrent Task Execution. , 2012, , .		0

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127	Guest editorial: Special issue on data intensive cloud computing. Computing (Vienna/New York), 2015, 97, 333-335.	3.2	0
128	An Extensible Toolkit for Resource Usage Prediction in Clouds. , 2019, , .		0
129	Guest editorial: special issue on data science in cyberspace 2019. World Wide Web, 2020, 23, 2489-2490.	2.7	0