

Jianyong Chen

List of Publications by Year in descending order

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75
papers

2,656
citations

218677

26
h-index

189892

50
g-index

75
all docs

75
docs citations

75
times ranked

2351
citing authors

#	ARTICLE	IF	CITATIONS
1	Bift: A Blockchain-Based Federated Learning System for Connected and Autonomous Vehicles. IEEE Internet of Things Journal, 2022, 9, 12311-12322.	8.7	27
2	Towards Dynamic Verifiable Pattern Matching. IEEE Transactions on Big Data, 2021, 7, 421-435.	6.1	0
3	Edge Intelligence (EI)-Enabled HTTP Anomaly Detection Framework for the Internet of Things (IoT). IEEE Internet of Things Journal, 2021, 8, 3554-3566.	8.7	31
4	An Elite Gene Guided Reproduction Operator for Many-Objective Optimization. IEEE Transactions on Cybernetics, 2021, 51, 765-778.	9.5	15
5	Decomposition-Based Multiobjective Evolutionary Algorithm With Genetically Hybrid Differential Evolution Strategy. IEEE Access, 2021, 9, 2428-2442.	4.2	3
6	RLSTM: A New Framework of Stock Prediction by Using Random Noise for Overfitting Prevention. Computational Intelligence and Neuroscience, 2021, 2021, 1-14.	1.7	7
7	A Novel Adaptive Gradient Compression Scheme: Reducing the Communication Overhead for Distributed Deep Learning in the Internet of Things. IEEE Internet of Things Journal, 2021, 8, 11476-11486.	8.7	11
8	An Evolutionary Algorithm with Clustering-Based Assisted Selection Strategy for Multimodal Multiobjective Optimization. Complexity, 2021, 2021, 1-13.	1.6	3
9	Evolutionary Framework with Bidirectional Long Short-Term Memory Network for Stock Price Prediction. Mathematical Problems in Engineering, 2021, 2021, 1-8.	1.1	2
10	A Blockchain-Enabled Federated Learning System with Edge Computing for Vehicular Networks. , 2021, , .		1
11	A Filter Model Based on Hidden Generalized Mixture Transition Distribution Model for Intrusion Detection System in Vehicle Ad Hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2707-2722.	8.0	27
12	Mitigation of malicious attacks on structural balance of signed networks. Physica A: Statistical Mechanics and Its Applications, 2020, 548, 123841.	2.6	2
13	A multi-objective immune algorithm for intrusion feature selection. Applied Soft Computing Journal, 2020, 95, 106522.	7.2	47
14	Attribute-Based Weighted Keyword Search Scheme Supporting Multi-Search Mechanism in Fog Computing. , 2020, , .		2
15	Decomposition-Based Multiobjective Evolutionary Optimization with Adaptive Multiple Gaussian Process Models. Complexity, 2020, 2020, 1-22.	1.6	3
16	A Clustering-Based Evolutionary Algorithm for Many-Objective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2019, 23, 391-405.	10.0	91
17	A Constrained Solution Update Strategy for Multiobjective Evolutionary Algorithm Based on Decomposition. Complexity, 2019, 2019, 1-11.	1.6	3
18	Multimodal Multi-objective Optimization Using A Density-based One-by-One Update Strategy. , 2019, , .		8

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19	A Novel Multiobjective Particle Swarm Optimization Algorithm with Dynamic Resource Allocation. , 2019, , .		2
20	An Efficient Attribute-Based Encryption Scheme With Policy Update and File Update in Cloud Computing. IEEE Transactions on Industrial Informatics, 2019, 15, 6500-6509.	11.3	65
21	Evolutionary Search with Multiple Utopian Reference Points in Decomposition-Based Multiobjective Optimization. Complexity, 2019, 2019, 1-22.	1.6	6
22	On Stability of Multi-Valued Nonlinear Feedback Shift Registers. Complexity, 2019, 2019, 1-11.	1.6	1
23	A hybridized angle-encouragement-based decomposition approach for many-objective optimization problems. Applied Soft Computing Journal, 2019, 78, 355-372.	7.2	15
24	Feature Selection Using an Improved Multi-objective Immune Algorithm for Intrusion Detection. , 2019, , .		0
25	A multi-objective immune algorithm with dynamic population strategy. Swarm and Evolutionary Computation, 2019, 50, 100477.	8.1	17
26	An Effective Ensemble Framework for Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 645-659.	10.0	26
27	A secure hash function based on feedback iterative structure. Enterprise Information Systems, 2019, 13, 281-302.	4.7	11
28	A novel Intrusion Detection System for Vehicular Ad Hoc Networks (VANETs) based on differences of traffic flow and position. Applied Soft Computing Journal, 2019, 75, 712-727.	7.2	65
29	Secure and efficient parallel hash function construction and its application on cloud audit. Soft Computing, 2019, 23, 8907-8925.	3.6	5
30	Secure Hashing-Based Verifiable Pattern Matching. IEEE Transactions on Information Forensics and Security, 2018, 13, 2677-2690.	6.9	10
31	Particle Swarm Optimization With a Balanceable Fitness Estimation for Many-Objective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2018, 22, 32-46.	10.0	202
32	A Diversity-Enhanced Resource Allocation Strategy for Decomposition-Based Multiobjective Evolutionary Algorithm. IEEE Transactions on Cybernetics, 2018, 48, 2388-2401.	9.5	35
33	An adaptive immune-inspired multi-objective algorithm with multiple differential evolution strategies. Information Sciences, 2018, 430-431, 46-64.	6.9	53
34	A novel multi-objective co-evolutionary algorithm based on decomposition approach. Applied Soft Computing Journal, 2018, 73, 50-66.	7.2	13
35	A gene-level hybrid search framework for multiobjective evolutionary optimization. Neural Computing and Applications, 2018, 30, 759-773.	5.6	10
36	A Novel Many-Objective Optimization Algorithm Based on the Hybrid Angle-Encouragement Decomposition. Lecture Notes in Computer Science, 2018, , 47-53.	1.3	3

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37	A local search enhanced differential evolutionary algorithm for sparse recovery. Applied Soft Computing Journal, 2017, 57, 144-163.	7.2	13
38	An External Archive-Guided Multiobjective Particle Swarm Optimization Algorithm. IEEE Transactions on Cybernetics, 2017, 47, 2794-2808.	9.5	96
39	Securing Outsourced Data in the Multi-Authority Cloud with Fine-Grained Access Control and Efficient Attribute Revocation. Computer Journal, 2017, 60, 1210-1222.	2.4	22
40	An Elite Archive-Based MOEA/D Algorithm. Lecture Notes in Computer Science, 2017, , 236-247.	1.3	0
41	A novel adaptive control strategy for decomposition-based multiobjective algorithm. Computers and Operations Research, 2017, 78, 94-107.	4.0	18
42	An improved NSGA-III algorithm for feature selection used in intrusion detection. Knowledge-Based Systems, 2017, 116, 74-85.	7.1	132
43	A Novel Multi-objective Evolutionary Algorithm Based on a Further Decomposition Strategy. , 2017, , .		0
44	Modified Ciphertext-Policy Attribute-Based Encryption Scheme with Efficient Revocation for PHR System. Mathematical Problems in Engineering, 2017, 2017, 1-10.	1.1	6
45	Comparison of gating dynamics of different IP ₃ channels with immune algorithm searching for channel parameter distributions. Physical Biology, 2016, 13, 056005.	1.8	5
46	Attribute-Based Data Sharing Scheme Revisited in Cloud Computing. IEEE Transactions on Information Forensics and Security, 2016, 11, 1661-1673.	6.9	122
47	A novel artificial bee colony algorithm with depth-first search framework and elite-guided search equation. Information Sciences, 2016, 367-368, 1012-1044.	6.9	112
48	Adaptive composite operator selection and parameter control for multiobjective evolutionary algorithm. Information Sciences, 2016, 339, 332-352.	6.9	60
49	An Efficient File Hierarchy Attribute-Based Encryption Scheme in Cloud Computing. IEEE Transactions on Information Forensics and Security, 2016, 11, 1265-1277.	6.9	215
50	Adaptive differential evolution algorithm with novel mutation strategies in multiple sub-populations. Computers and Operations Research, 2016, 67, 155-173.	4.0	171
51	A novel adaptive hybrid crossover operator for multiobjective evolutionary algorithm. Information Sciences, 2016, 345, 177-198.	6.9	44
52	A Semantic Hash Tree Based Verifiable Data Access Protocol on the Cloud. , 2015, , .		2
53	An Effective Error Correction Scheme for Arithmetic Coding. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	3
54	A Gene-Level Hybrid Crossover Operator for Multiobjective Evolutionary Algorithm. , 2015, , .		2

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55	A Hybrid Evolutionary Immune Algorithm for Multiobjective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2015, , 1-1.	10.0	28
56	A framework for protecting personal information and privacy. Security and Communication Networks, 2015, 8, 2867-2874.	1.5	8
57	A double-module immune algorithm for multi-objective optimization problems. Applied Soft Computing Journal, 2015, 35, 161-174.	7.2	42
58	A novel multi-objective particle swarm optimization with multiple search strategies. European Journal of Operational Research, 2015, 247, 732-744.	5.7	204
59	A novel hybrid multi-objective immune algorithm with adaptive differential evolution. Computers and Operations Research, 2015, 62, 95-111.	4.0	103
60	Secret sharing scheme with dynamic size of shares for distributed storage system. Security and Communication Networks, 2014, 7, 1245-1252.	1.5	7
61	An enhanced variable-length arithmetic coding and encryption scheme using chaotic maps. Journal of Systems and Software, 2013, 86, 1384-1389.	4.5	20
62	A novel micro-population immune multiobjective optimization algorithm. Computers and Operations Research, 2013, 40, 1590-1601.	4.0	52
63	Security of virtual working on cloud computing platform. , 2012, , .		1
64	On-Demand Security Architecture for Cloud Computing. Computer, 2012, 45, 73-78.	1.1	40
65	Virtualization security for cloud computing service. , 2011, , .		76
66	A Modified Chaos-Based Joint Compression and Encryption Scheme. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 110-114.	3.0	40
67	Chaos-based multi-objective immune algorithm with a fine-grained selection mechanism. Soft Computing, 2011, 15, 1273-1288.	3.6	17
68	Optimization between security and delay of quality-of-service. Journal of Network and Computer Applications, 2011, 34, 603-608.	9.1	21
69	Enhanced Cryptography by Multiple Chaotic Dynamics. Mathematical Problems in Engineering, 2011, 2011, 1-12.	1.1	2
70	Self-Tuning Random Early Detection Algorithm to Improve Performance of Network Transmission. Mathematical Problems in Engineering, 2011, 2011, 1-17.	1.1	14
71	A hybrid immune multiobjective optimization algorithm. European Journal of Operational Research, 2010, 204, 294-302.	5.7	50
72	An Improved ARED Algorithm for Congestion Control of Network Transmission. Mathematical Problems in Engineering, 2010, 2010, 1-14.	1.1	19

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73	Simultaneous Arithmetic Coding and Encryption Using Chaotic Maps. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 146-150.	3.0	59
74	Impact of Security on QoS in Communication Network. , 2009, , .		8
75	Interoperation of authentication assurance level between different identity management systems. , 2009, , .		0