Jianyong Chen

List of Publications by Year
in descending order

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	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
2	A novel multi-objective particle swarm optimization with multiple search strategies. European Journal of Operational Research, 2015, 247, 732-744.	5.7	204
3	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
4	Adaptive differential evolution algorithm with novel mutation strategies in multiple sub-populations. Computers and Operations Research, 2016, 67, 155-173.	4.0	171
5	An improved NSGA-III algorithm for feature selection used in intrusion detection. Knowledge-Based Systems, 2017, 116, 74-85.	7.1	132
6	Attribute-Based Data Sharing Scheme Revisited in Cloud Computing. IEEE Transactions on Information Forensics and Security, 2016, 11, 1661-1673.	6.9	122
7	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
8	A novel hybrid multi-objective immune algorithm with adaptive differential evolution. Computers and Operations Research, 2015, 62, 95-111.	4.0	103
9	An External Archive-Guided Multiobjective Particle Swarm Optimization Algorithm. IEEE Transactions on Cybernetics, 2017, 47, 2794-2808.	9.5	96
10	A Clustering-Based Evolutionary Algorithm for Many-Objective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2019, 23, 391-405.	10.0	91
11	Virtualization security for cloud computing service. , 2011, , .		76
12	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
13	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
14	Adaptive composite operator selection and parameter control for multiobjective evolutionary algorithm. Information Sciences, 2016, 339, 332-352.	6.9	60
15	Simultaneous Arithmetic Coding and Encryption Using Chaotic Maps. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 146-150.	3.0	59
16	An adaptive immune-inspired multi-objective algorithm with multiple differential evolution strategies. Information Sciences, 2018, 430-431, 46-64.	6.9	53
17	A novel micro-population immune multiobjective optimization algorithm. Computers and Operations Research, 2013, 40, 1590-1601.	4.0	52
18	A hybrid immune multiobjective optimization algorithm. European Journal of Operational Research, 2010, 204, 294-302.	5.7	50

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19	A multi-objective immune algorithm for intrusion feature selection. Applied Soft Computing Journal, 2020, 95, 106522.	7.2	47
20	A novel adaptive hybrid crossover operator for multiobjective evolutionary algorithm. Information Sciences, 2016, 345, 177-198.	6.9	44
21	A double-module immune algorithm for multi-objective optimization problems. Applied Soft Computing Journal, 2015, 35, 161-174.	7.2	42
22	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
23	On-Demand Security Architecture for Cloud Computing. Computer, 2012, 45, 73-78.	1.1	40
24	A Diversity-Enhanced Resource Allocation Strategy for Decomposition-Based Multiobjective Evolutionary Algorithm. IEEE Transactions on Cybernetics, 2018, 48, 2388-2401.	9.5	35
25	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
26	A Hybrid Evolutionary Immune Algorithm for Multiobjective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2015, , 1-1.	10.0	28
27	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
28	Bift: A Blockchain-Based Federated Learning System for Connected and Autonomous Vehicles. IEEE Internet of Things Journal, 2022, 9, 12311-12322.	8.7	27
29	An Effective Ensemble Framework for Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 645-659.	10.0	26
30	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
31	Optimization between security and delay of quality-of-service. Journal of Network and Computer Applications, 2011, 34, 603-608.	9.1	21
32	An enhanced variable-length arithmetic coding and encryption scheme using chaotic maps. Journal of Systems and Software, 2013, 86, 1384-1389.	4.5	20
33	An Improved ARED Algorithm for Congestion Control of Network Transmission. Mathematical Problems in Engineering, 2010, 2010, 1-14.	1.1	19
34	A novel adaptive control strategy for decomposition-based multiobjective algorithm. Computers and Operations Research, 2017, 78, 94-107.	4.0	18
35	Chaos-based multi-objective immune algorithm with a fine-grained selection mechanism. Soft Computing, 2011, 15, 1273-1288.	3.6	17
36	A multi-objective immune algorithm with dynamic population strategy. Swarm and Evolutionary Computation, 2019, 50, 100477.	8.1	17

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37	A hybridized angle-encouragement-based decomposition approach for many-objective optimization problems. Applied Soft Computing Journal, 2019, 78, 355-372.	7.2	15
38	An Elite Gene Guided Reproduction Operator for Many-Objective Optimization. IEEE Transactions on Cybernetics, 2021, 51, 765-778.	9.5	15
39	Self-Tuning Random Early Detection Algorithm to Improve Performance of Network Transmission. Mathematical Problems in Engineering, 2011, 2011, 1-17.	1.1	14
40	A local search enhanced differential evolutionary algorithm for sparse recovery. Applied Soft Computing Journal, 2017, 57, 144-163.	7.2	13
41	A novel multi-objective co-evolutionary algorithm based on decomposition approach. Applied Soft Computing Journal, 2018, 73, 50-66.	7.2	13
42	A secure hash function based on feedback iterative structure. Enterprise Information Systems, 2019, 13, 281-302.	4.7	11
43	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
44	Secure Hashing-Based Verifiable Pattern Matching. IEEE Transactions on Information Forensics and Security, 2018, 13, 2677-2690.	6.9	10
45	A gene-level hybrid search framework for multiobjective evolutionary optimization. Neural Computing and Applications, 2018, 30, 759-773.	5.6	10
46	Impact of Security on QoS in Communication Network. , 2009, , .		8
47	A framework for protecting personal information and privacy. Security and Communication Networks, 2015, 8, 2867-2874.	1.5	8
48	Multimodal Multi-objective Optimization Using A Density-based One-by-One Update Strategy. , 2019, , .		8
49	Secret sharing scheme with dynamic size of shares for distributed storage system. Security and Communication Networks, 2014, 7, 1245-1252.	1.5	7
50	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
51	Modified Ciphertext-Policy Attribute-Based Encryption Scheme with Efficient Revocation for PHR System. Mathematical Problems in Engineering, 2017, 2017, 1-10.	1.1	6
52	Evolutionary Search with Multiple Utopian Reference Points in Decomposition-Based Multiobjective Optimization. Complexity, 2019, 2019, 1-22.	1.6	6
53	Comparison of gating dynamics of different IP_3R channels with immune algorithm searching for channel parameter distributions. Physical Biology, 2016, 13, 056005.	1.8	5
54	Secure and efficient parallel hash function construction and its application on cloud audit. Soft Computing, 2019, 23, 8907-8925.	3.6	5

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55	An Effective Error Correction Scheme for Arithmetic Coding. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	3
56	A Constrained Solution Update Strategy for Multiobjective Evolutionary Algorithm Based on Decomposition. Complexity, 2019, 2019, 1-11.	1.6	3
57	Decomposition-Based Multiobjective Evolutionary Optimization with Adaptive Multiple Gaussian Process Models. Complexity, 2020, 2020, 1-22.	1.6	3
58	Decomposition-Based Multiobjective Evolutionary Algorithm With Genetically Hybrid Differential Evolution Strategy. IEEE Access, 2021, 9, 2428-2442.	4.2	3
59	An Evolutionary Algorithm with Clustering-Based Assisted Selection Strategy for Multimodal Multiobjective Optimization. Complexity, 2021, 2021, 1-13.	1.6	3
60	A Novel Many-Objective Optimization Algorithm Based on the Hybrid Angle-Encouragement Decomposition. Lecture Notes in Computer Science, 2018, , 47-53.	1.3	3
61	Enhanced Cryptography by Multiple Chaotic Dynamics. Mathematical Problems in Engineering, 2011, 2011, 1-12.	1.1	2
62	A Semantic Hash Tree Based Verifiable Data Access Protocol on the Cloud. , 2015, , .		2
63	A Gene-Level Hybrid Crossover Operator for Multiobjective Evolutionary Algorithm. , 2015, , .		2
64	A Novel Multiobjective Particle Swarm Optimization Algorithm with Dynamic Resource Allocation. , 2019, , .		2
65	Mitigation of malicious attacks on structural balance of signed networks. Physica A: Statistical Mechanics and Its Applications, 2020, 548, 123841.	2.6	2
66	Attribute-Based Weighted Keyword Search Scheme Supporting Multi-Search Mechanism in Fog Computing. , 2020, , .		2
67	Evolutionary Framework with Bidirectional Long Short-Term Memory Network for Stock Price Prediction. Mathematical Problems in Engineering, 2021, 2021, 1-8.	1.1	2
68	Security of virtual working on cloud computing platform. , 2012, , .		1
69	On Stability of Multi-Valued Nonlinear Feedback Shift Registers. Complexity, 2019, 2019, 1-11.	1.6	1
70	A Blockchain-Enabled Federated Learning System with Edge Computing for Vehicular Networks. , 2021, , .		1
71	Interoperation of authentication assurance level between different identity management systems. , 2009, , .		0
72	An Elite Archive-Based MOEA/D Algorithm. Lecture Notes in Computer Science, 2017, , 236-247.	1.3	0

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73	A Novel Multi-objective Evolutionary Algorithm Based on a Further Decomposition Strategy. , 2017, , .		0
74	Feature Selection Using an Improved Multi-objective Immune Algorithm for Intrusion Detection. , 2019, , .		0
75	Towards Dynamic Verifiable Pattern Matching. IEEE Transactions on Big Data, 2021, 7, 421-435.	6.1	0