

Jie Cao

List of Publications by Year in descending order

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173
papers

4,287
citations

101384

36
h-index

138251

58
g-index

177
all docs

177
docs citations

177
times ranked

3345
citing authors

#	ARTICLE	IF	CITATIONS
1	Event-Triggered H_∞ Load Frequency Control for Multiarea Power Systems Under Hybrid Cyber Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1665-1678.	5.9	286
2	K-Means-Based Consensus Clustering: A Unified View. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 155-169.	4.0	165
3	hPSD: A Hybrid PU-Learning-Based Spammer Detection Model for Product Reviews. IEEE Transactions on Cybernetics, 2020, 50, 1595-1606.	6.2	136
4	Detecting Prosumer-Community Groups in Smart Grids From the Multiagent Perspective. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1652-1664.	5.9	134
5	Dynamical Clustering in Electronic Commerce Systems via Optimization and Leadership Expansion. IEEE Transactions on Industrial Informatics, 2020, 16, 5327-5334.	7.2	124
6	Graph K-means Based on Leader Identification, Dynamic Game, and Opinion Dynamics. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1348-1361.	4.0	111
7	Tunable broadband polarization rotator in terahertz frequency based on graphene metamaterial. Carbon, 2018, 133, 170-175.	5.4	104
8	Shilling attack detection utilizing semi-supervised learning method for collaborative recommender system. World Wide Web, 2013, 16, 729-748.	2.7	99
9	Decentralized event-triggered H_∞ control for neural networks subject to cyber-attacks. Information Sciences, 2018, 457-458, 141-155.	4.0	91
10	Security Control for T Σ S Fuzzy Systems With Adaptive Event-Triggered Mechanism and Multiple Cyber-Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6544-6554.	5.9	89
11	Hybrid-triggered-based security controller design for networked control system under multiple cyber attacks. Information Sciences, 2021, 548, 69-84.	4.0	88
12	Dynamic Cluster Formation Game for Attributed Graph Clustering. IEEE Transactions on Cybernetics, 2019, 49, 328-341.	6.2	87
13	Adaptive event-triggered H_∞ filtering for T-S fuzzy system with time delay. Neurocomputing, 2016, 189, 86-94.	3.5	84
14	Enhance the Performance of Network Computation by a Tunable Weighting Strategy. IEEE Transactions on Emerging Topics in Computational Intelligence, 2018, 2, 214-223.	3.4	83
15	Event-Based Security Control for State-Dependent Uncertain Systems Under Hybrid-Attacks and Its Application to Electronic Circuits. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4817-4828.	3.5	81
16	HySAD. , 2012, , .		79
17	Hybrid Collaborative Filtering algorithm for bidirectional Web service recommendation. Knowledge and Information Systems, 2013, 36, 607-627.	2.1	78
18	LGIEM: Global and local node influence based community detection. Future Generation Computer Systems, 2020, 105, 533-546.	4.9	77

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19	State estimation for cyber-physical systems with limited communication resources, sensor saturation and denial-of-service attacks. ISA Transactions, 2020, 104, 101-114.	3.1	67
20	Link prediction in temporal networks: Integrating survival analysis and game theory. Information Sciences, 2019, 498, 41-61.	4.0	65
21	Hybrid-driven-based stabilisation for networked control systems. IET Control Theory and Applications, 2016, 10, 2279-2285.	1.2	60
22	Distributed event-triggered H filtering over sensor networks with sensor saturations and cyber-attacks. ISA Transactions, 2018, 81, 63-75.	3.1	58
23	Weighted modularity optimization for crisp and fuzzy community detection in large-scale networks. Physica A: Statistical Mechanics and Its Applications, 2016, 462, 386-395.	1.2	55
24	Local Community Mining on Distributed and Dynamic Networks From a Multiagent Perspective. IEEE Transactions on Cybernetics, 2016, 46, 986-999.	6.2	54
25	SAIL: Summation-based Incremental Learning for Information-Theoretic Text Clustering. IEEE Transactions on Cybernetics, 2013, 43, 570-584.	6.2	53
26	A Graph-based model for context-aware recommendation using implicit feedback data. World Wide Web, 2015, 18, 1351-1371.	2.7	48
27	GLEAM: a graph clustering framework based on potential game optimization for large-scale social networks. Knowledge and Information Systems, 2018, 55, 741-770.	2.1	48
28	Hybrid-driven $\frac{21}{46}$ design for T-S fuzzy systems with quantization. Nonlinear Analysis: Hybrid Systems, 2019, 31, 135-152.	2.1	46
29	CAMAS: A cluster-aware multiagent system for attributed graph clustering. Information Fusion, 2017, 37, 10-21.	11.7	45
30	Microwave Metamaterial Absorber for Non-Destructive Sensing Applications of Grain. Sensors, 2018, 18, 1912.	2.1	45
31	H ∞ filtering for networked systems with hybrid-triggered communication mechanism and stochastic cyber attacks. Journal of the Franklin Institute, 2017, 354, 8490-8512.	1.9	44
32	Evolving the attribute flow for dynamical clustering in signed networks. Chaos, Solitons and Fractals, 2018, 110, 20-27.	2.5	44
33	Optimal estimation of low-rank factors via feature level data fusion of multiplex signal systems. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	4.0	41
34	Detecting Spammer Groups From Product Reviews: A Partially Supervised Learning Model. IEEE Access, 2018, 6, 2559-2568.	2.6	40
35	Personalized itinerary recommendation: Deep and collaborative learning with textual information. Expert Systems With Applications, 2020, 144, 113070.	4.4	39
36	Efficiently Translating Complex SQL Query to MapReduce Jobflow on Cloud. IEEE Transactions on Cloud Computing, 2020, 8, 508-517.	3.1	38

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37	Group-Oriented Task Allocation for Crowdsourcing in Social Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4417-4432.	5.9	38
38	On Scalability of Association-rule-based Recommendation. ACM Transactions on the Web, 2020, 14, 1-21.	2.0	38
39	Fuzzy Consensus Clustering With Applications on Big Data. IEEE Transactions on Fuzzy Systems, 2017, 25, 1430-1445.	6.5	37
40	Similarity based leaf image retrieval using multiscale R-angle description. Information Sciences, 2016, 374, 51-64.	4.0	35
41	Average Aol Minimization in UAV-Assisted Data Collection With RF Wireless Power Transfer: A Deep Reinforcement Learning Scheme. IEEE Internet of Things Journal, 2022, 9, 5216-5228.	5.5	35
42	Game theory based emotional evolution analysis for chinese online reviews. Knowledge-Based Systems, 2016, 103, 60-72.	4.0	33
43	Community Detection in Multi-relational Social Networks. Lecture Notes in Computer Science, 2013, , 43-56.	1.0	33
44	Distributed data possession checking for securing multiple replicas in geographically-dispersed clouds. Journal of Computer and System Sciences, 2012, 78, 1345-1358.	0.9	32
45	Spammers Detection from Product Reviews: A Hybrid Model. , 2015, , .		29
46	Discovering shilling groups in a real e-commerce platform. Online Information Review, 2016, 40, 62-78.	2.2	29
47	Online purchase decisions for tourism e-commerce. Electronic Commerce Research and Applications, 2019, 38, 100887.	2.5	29
48	Random radial basis function kernel-based support vector machine. Journal of the Franklin Institute, 2021, 358, 10121-10140.	1.9	29
49	Time Series Modeling of Nano-Gold Immunochromatographic Assay via Expectation Maximization Algorithm. IEEE Transactions on Biomedical Engineering, 2013, 60, 3418-3424.	2.5	27
50	Scaling up cosine interesting pattern discovery: A depth-first method. Information Sciences, 2014, 266, 31-46.	4.0	27
51	Quantized state estimation for neural networks with cyber attacks and hybrid triggered communication scheme. Neurocomputing, 2018, 291, 35-49.	3.5	27
52	Multi-sphere Support Vector Data Description for Outliers Detection on Multi-distribution Data. , 2009, , .		25
53	Application of deep learning and unmanned aerial vehicle technology in traffic flow monitoring. , 2017, , .		25
54	Neural Attentive Travel package Recommendation via exploiting long-term and short-term behaviors. Knowledge-Based Systems, 2021, 211, 106511.	4.0	25

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55	On Modeling and State Estimation for Genetic Regulatory Networks With Polytopic Uncertainties. IEEE Transactions on Nanobioscience, 2013, 12, 13-20.	2.2	24
56	Accountable mobile E-commerce scheme via identity-based plaintext-checkable encryption. Information Sciences, 2016, 345, 143-155.	4.0	24
57	Semi-SAD. , 2011, , .		22
58	State estimation for complex systems with randomly occurring nonlinearities and randomly missing measurements. International Journal of Systems Science, 2014, 45, 1364-1374.	3.7	22
59	Parallelizing K-Means-Based Clustering on Spark. , 2016, , .		22
60	A recommendation engine for travel products based on topic sequential patterns. Multimedia Tools and Applications, 2017, 76, 17595-17612.	2.6	22
61	Motif-based functional backbone extraction of complex networks. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 121123.	1.2	21
62	Multi-view Graph Attention Network for Travel Recommendation. Expert Systems With Applications, 2022, 191, 116234.	4.4	20
63	Enhancing grid-density based clustering for high dimensional data. Journal of Systems and Software, 2011, 84, 1524-1539.	3.3	19
64	Online mining abnormal period patterns from multiple medical sensor data streams. World Wide Web, 2014, 17, 569-587.	2.7	19
65	Analysis of the grain loss in harvest based on logistic regression. Procedia Computer Science, 2017, 122, 698-705.	1.2	19
66	Robust Task Grouping with Representative Tasks for Clustered Multi-Task Learning. , 2019, , .		19
67	Analysis of Grain Storage Loss Based on Decision Tree Algorithm. Procedia Computer Science, 2017, 122, 130-137.	1.2	18
68	Asymmetric stochastic resonance in a bistable system driven by non-Gaussian colored noise. Physica A: Statistical Mechanics and Its Applications, 2019, 517, 321-336.	1.2	18
69	An effective and scalable overlapping community detection approach: Integrating social identity model and game theory. Applied Mathematics and Computation, 2021, 390, 125601.	1.4	18
70	Online Active Learning for Drifting Data Streams. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 186-200.	7.2	18
71	Measuring the Network Vulnerability Based on Markov Criticality. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-24.	2.5	18
72	Compressed binary discernibility matrix based incremental attribute reduction algorithm for group dynamic data. Neurocomputing, 2019, 344, 20-27.	3.5	17

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73	Attentive multi-task learning for group itinerary recommendation. Knowledge and Information Systems, 2021, 63, 1687-1716.	2.1	17
74	A pattern-based topic detection and analysis system on Chinese tweets. Journal of Computational Science, 2018, 28, 369-381.	1.5	16
75	Travel Recommendation via Fusing Multi-Auxiliary Information into Matrix Factorization. ACM Transactions on Intelligent Systems and Technology, 2020, 11, 1-24.	2.9	16
76	Polygonal approximation using integer particle swarm optimization. Information Sciences, 2014, 278, 311-326.	4.0	13
77	cDNA microarray adaptive segmentation. Neurocomputing, 2014, 142, 408-418.	3.5	13
78	AAC-OT: Accountable Oblivious Transfer With Access Control. IEEE Transactions on Information Forensics and Security, 2015, 10, 2502-2514.	4.5	13
79	Moving Object Detection Based on Non-parametric Methods and Frame Difference for Traceability Video Analysis. Procedia Computer Science, 2016, 91, 995-1000.	1.2	13
80	Understanding Crowdsourcing Systems from a Multiagent Perspective and Approach. ACM Transactions on Autonomous and Adaptive Systems, 2018, 13, 1-32.	0.4	13
81	Predicting Grain Losses and Waste Rate Along the Entire Chain: A Multitask Multigated Recurrent Unit Autoencoder Based Method. IEEE Transactions on Industrial Informatics, 2021, 17, 4390-4400.	7.2	13
82	Batch Allocation for Tasks with Overlapping Skill Requirements in Crowdsourcing. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 1722-1737.	4.0	12
83	Batch allocation for decomposition-based complex task crowdsourcing e-markets in social networks. Knowledge-Based Systems, 2020, 194, 105522.	4.0	12
84	Proximity-based group formation game model for community detection in social network. Knowledge-Based Systems, 2021, 214, 106670.	4.0	12
85	Random compact Gaussian kernel: Application to ELM classification and regression. Knowledge-Based Systems, 2021, 217, 106848.	4.0	12
86	An efficient alpha seeding method for optimized extreme learning machine-based feature selection algorithm. Computers in Biology and Medicine, 2021, 134, 104505.	3.9	12
87	Location-Centered House Price Prediction: A Multi-Task Learning Approach. ACM Transactions on Intelligent Systems and Technology, 2022, 13, 1-25.	2.9	12
88	A generalized game theoretic framework for mining communities in complex networks. Expert Systems With Applications, 2018, 96, 450-461.	4.4	11
89	Research on Agricultural Environment Prediction Based on Deep Learning. Procedia Computer Science, 2018, 139, 33-40.	1.2	11
90	Spotting review spammer groups: A cosine pattern and network based method. Concurrency Computation Practice and Experience, 2018, 30, e4686.	1.4	11

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91	A multi-task learning approach for improving travel recommendation with keywords generation. Knowledge-Based Systems, 2021, 233, 107521.	4.0	11
92	A polynomial-time algorithm for simple undirected graph isomorphism. Concurrency Computation Practice and Experience, 2021, 33, 1-1.	1.4	10
93	SIMPLE: a simplifying-ensembling framework for parallel community detection from large networks. Cluster Computing, 2016, 19, 211-221.	3.5	9
94	Study on prediction model of grain post-harvest loss. Procedia Computer Science, 2017, 122, 122-129.	1.2	9
95	Compactness Preserving Community Computation Via a Network Generative Process. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 1044-1056.	3.4	9
96	Engaging voluntary contributions in online review platforms: The effects of a hierarchical badges system. Computers in Human Behavior, 2022, 127, 107042.	5.1	8
97	Towards hour-level crime prediction: A neural attentive framework with spatial-temporal-categorical fusion. Neurocomputing, 2022, 486, 286-297.	3.5	8
98	Graph convolutional network with multi-similarity attribute matrices fusion for node classification. Neural Computing and Applications, 2023, 35, 13135-13145.	3.2	7
99	MVE-FLK: A multi-task legal judgment prediction via multi-view encoder fusing legal keywords. Knowledge-Based Systems, 2022, 239, 107960.	4.0	7
100	SEA. , 2013, , .		6
101	Indoor Region Localization With Asynchronous Sensing Data: A Bayesian Probabilistic Model. IEEE Sensors Journal, 2018, 18, 10174-10182.	2.4	6
102	An Efficient Distributed-Computing Framework for Association-Rule-Based Recommendation. , 2018, , .		6
103	Inference and prediction of malaria transmission dynamics using time series data. Infectious Diseases of Poverty, 2020, 9, 95.	1.5	6
104	Energy Efficiency in RF Energy Harvesting-Powered Distributed Antenna Systems for the Internet of Things. Sensors, 2020, 20, 4631.	2.1	6
105	Intra- and inter-association attention network-enhanced policy learning for social group recommendation. World Wide Web, 2023, 26, 71-94.	2.7	6
106	A novel noise filter based on interesting pattern mining for bag-of-features images. Expert Systems With Applications, 2013, 40, 7555-7561.	4.4	5
107	Overlapping Community Extraction: A Link Hypergraph Partitioning Based Method. , 2014, , .		5
108	Detecting overlapping communities in poly-relational networks. World Wide Web, 2015, 18, 1373-1390.	2.7	5

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109	A Framework for Food Traceability Information Extraction Based on a Video Surveillance System. <i>Procedia Computer Science</i> , 2015, 55, 1285-1292.	1.2	5
110	A Multi-level Traceability System Based on GraphLab. <i>Procedia Computer Science</i> , 2016, 91, 971-977.	1.2	5
111	Personalized Recommendation on Multi-Layer Context Graph. <i>Lecture Notes in Computer Science</i> , 2013, , 135-148.	1.0	5
112	A backbone extraction method with Local Search for complex weighted networks. , 2014, , .		4
113	Scaling Information-Theoretic Text Clustering: A Sampling-based Approximate Method. , 2014, , .		4
114	A comparative study of shilling attack detectors for recommender systems. , 2015, , .		4
115	DGWC: Distributed and generic web crawler for online information extraction. , 2016, , .		4
116	Self-representation dimensionality reduction for multi-model classification. <i>Neurocomputing</i> , 2017, 253, 154-161.	3.5	4
117	Semi-SGD: Semi-Supervised Learning Based Spammer Group Detection in Product Reviews. , 2017, , .		4
118	Maintenance and Management of Marine Communication and Navigation Equipment Based on Virtual Reality. <i>Procedia Computer Science</i> , 2018, 139, 221-226.	1.2	4
119	Understanding Customer Behavior in Shopping Mall from Indoor Tracking Data. , 2018, , .		4
120	A Sequential Recommendation for Mobile Apps: What Will User Click Next App?. , 2018, , .		4
121	Link communities detection: an embedding method on the line hypergraph. <i>Neurocomputing</i> , 2019, 367, 46-54.	3.5	4
122	Community Detection via Local Learning Based on Generalized Metric With Neighboring Regularization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 498-510.	5.9	4
123	Coverage Performance of UAV-Assisted SWIPT Networks With Directional Antennas. <i>IEEE Internet of Things Journal</i> , 2022, 9, 10600-10609.	5.5	4
124	An explainable multi-sparsity multi-kernel nonconvex optimization least-squares classifier method via ADMM. <i>Neural Computing and Applications</i> , 2022, 34, 16103-16128.	3.2	4
125	An Improved Protocol for Deadlock and Livelock Avoidance Resource Co-allocation in Network Computing. <i>World Wide Web</i> , 2010, 13, 373-388.	2.7	3
126	A survival analysis method for stock market prediction. , 2015, , .		3

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127	Attribute-Based Information Flow Control. Computer Journal, 2019, 62, 1214-1231.	1.5	3
128	A Stock Index Prediction Framework: Integrating Technical and Topological Mesoscale Indicators. , 2019, , .		3
129	A Novel Recursive Gene Selection Method Based on Least Square Kernel Extreme Learning Machine. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, 19, 2026-2038.	1.9	3
130	Discovering Communities in Multi-relational Networks. Human-computer Interaction Series, 2015, , 75-95.	0.4	3
131	A real-time abnormality detection system for intensive care management. , 2013, , .		2
132	Efficient Parallel Community Detection in Large Edge-Intensive Networks. , 2014, , .		2
133	Food Traceability System Based on 3D City Models and Deep Learning. Annals of Data Science, 2016, 3, 89-100.	1.7	2
134	TIDM: Topic-Specific Information Detection Model. Procedia Computer Science, 2017, 122, 229-236.	1.2	2
135	Building Corporate Reputation on the Internet: Is the Claimed Sales-Ranking Trustworthy?. , 2018, , .		2
136	IIRank: A Novel Algorithm for Identifying Influencers in Micro-Blog Social Networks. , 2019, , .		2
137	Verifying the claimed saleâ€œranking trustworthy: A maximum marginal relevanceâ€œbased ranking method. Concurrency Computation Practice and Experience, 2019, 31, e5466.	1.4	2
138	Robust fault estimation of discrete-time nonlinear system based on an enhanced maximum-priority-based switching law. Journal of the Franklin Institute, 2020, 357, 5073-5090.	1.9	2
139	3D Model-Based Food Traceability Information Extraction Framework. Lecture Notes in Computer Science, 2015, , 112-119.	1.0	2
140	Research of Heterogeneous Database Integration system based on E-business. , 2008, , .		1
141	Online Public Opinion System: Design and Applications. , 2016, , .		1
142	Discovering Overlapping Communities by Clustering Local Link Structures. Chinese Journal of Electronics, 2017, 26, 430-434.	0.7	1
143	Dynamic output-feedback control for sampled-data system with saturation constraint via discontinuous Lyapunov functional approach. , 2017, , .		1
144	the Algorithm of Warehouse Vehicle Trajectory Intelligent Identification. Procedia Computer Science, 2018, 139, 64-70.	1.2	1

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145	Event-Driven Synchronization of Lur'e System Subject to Cyber Attack. , 2018, , .		1
146	Online Tourism Purchase Analysis and Prediction. , 2018, , .		1
147	Parallel Attribute Reduction Algorithm for Complex Heterogeneous Data Using MapReduce. Complexity, 2018, 2018, 1-11.	0.9	1
148	POI Recommendation with Interactive Behaviors and User Preference Dynamics Embedding. , 2020, , .		1
149	An Iterative Deviation-based Ranking Method to Evaluate User Reputation in Online Rating Systemsâœ±. , 2021, , .		1
150	Correction to: Data Science. Communications in Computer and Information Science, 2020, , C1-C1.	0.4	1
151	CrimeSTC: A Deep Spatial-Temporal-Categorical Network for Citywide Crime Prediction. , 2020, , .		1
152	Identify Spammers in Rating Systems Using Multi-layer Graph Convolutional Network âœ±. , 2021, , .		1
153	An Integrated Shopping Portal Based Recommendation across Web Storefronts: Architecture and Management. , 2009, , .		0
154	Building the Computational Virtual Reality Environment for Anaesthetists' Training and Practice. , 2015, , .		0
155	Large scale spatial temporal data visualization based on spark and 3D volume rendering. , 2016, , .		0
156	Sampled-data state estimation for delayed neural network with sensor faults. , 2017, , .		0
157	Knowledge Granularity Based Incremental Attribute Reduction for Hybrid Attribute Data. , 2018, , .		0
158	Event-driven synchronization of chaotic neural networks subject to actuator saturation. , 2018, , .		0
159	Simulation of Continuous Enterprise Energy Consumption Process with Uncertain Factors. , 2018, , .		0
160	Integrating Bi-Dynamic Routing Capsule Network with Label-Constraint for Text classification. , 2020, , .		0
161	Intra-Attention and Inter-Attention for Aspect-level Sentiment Classification. , 2020, , .		0
162	Extreme Learning Regression for nu Regularization. Applied Artificial Intelligence, 2020, 34, 378-395.	2.0	0

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163	Exploiting Space-Time Status for Service Recommendation. Lecture Notes in Computer Science, 2012, , 245-256.	1.0	0
164	A Cloud System for Community Extraction from Super-Large Scale Social Networks. Lecture Notes in Computer Science, 2013, , 499-502.	1.0	0
165	Local Community Extraction for Non-overlapping and Overlapping Community Detection. Lecture Notes in Computer Science, 2014, , 98-111.	1.0	0
166	Identifying Spam in Reviews. , 2017, , 1-10.		0
167	Models for Community Dynamics. , 2017, , 1-15.		0
168	Models for Community Dynamics. , 2018, , 1378-1392.		0
169	Identifying Spam in Reviews. , 2018, , 1035-1044.		0
170	Functional Dependency Discovery on Distributed Database: Sampling Verification Framework. Communications in Computer and Information Science, 2020, , 463-476.	0.4	0
171	Security Filter Design for T-S Fuzzy System with Adaptive Event-Triggered Mechanism and Multiple Attacks. , 2021, , .		0
172	Maximum Projection Distance Classifier for High Dimension and Low Sample Size Problems. , 2021, , .		0
173	Adaptive Separation Model for Electromagnetic Pulse Coupling Signals of Engine Digital Controllers. Journal of Electrical Engineering and Technology, 0, , 1.	1.2	0