Saihua Cai

List of Publications by Year
in descending order

44 papers	224 citations	1163117 8 h-index	1125743 13 g-index
48 all docs	48 docs citations	48 times ranked	127 citing authors

#	Article	IF	Citations
1	A review of improved extreme learning machine methods for data stream classification. Multimedia Tools and Applications, 2019, 78, 33375-33400.	3.9	21
2	GRIDEN: An effective grid-based and density-based spatial clustering algorithm to support parallel computing. Pattern Recognition Letters, 2018, 109, 81-88.	4.2	19
3	An efficient outlier detection approach on weighted data stream based on minimal rare pattern mining. China Communications, 2019, 16, 83-99.	3.2	19
4	MiFI-Outlier: Minimal infrequent itemset-based outlier detection approach on uncertain data stream. Knowledge-Based Systems, 2020, 191, 105268.	7.1	13
5	An efficient approach for outlier detection from uncertain data streams based on maximal frequent patterns. Expert Systems With Applications, 2020, 160, 113646.	7.6	13
6	Robust Adaptive Semi-supervised Classification Method based on Dynamic Graph and Self-paced Learning. Information Processing and Management, 2021, 58, 102433.	8.6	13
7	Minimal weighted infrequent itemset mining-based outlier detection approach on uncertain data stream. Neural Computing and Applications, 2020, 32, 6619-6639.	5.6	12
8	An optimized time series combined forecasting method based on neural networks. Journal of Supercomputing, 2020, 76, 2986-3012.	3.6	10
9	WMFP-Outlier: An Efficient Maximal Frequent-Pattern-Based Outlier Detection Approach for Weighted Data Streams. Information Technology and Control, 2019, 48, 505-521.	2.1	10
10	An efficient outlier detection method for data streams based on closed frequent patterns by considering anti-monotonic constraints. Information Sciences, 2021, 555, 125-146.	6.9	8
11	FCI-Outlier: An Efficient Frequent Closed Itemset-Based Outlier Detecting Approach on Data Stream. Communications in Computer and Information Science, 2019, , 176-187.	0.5	7
12	CAAS: a novel collective action-based ant system algorithm for solving TSP problem. Soft Computing, 2020, 24, 9257-9278.	3.6	7
13	Extreme Learning Machine for Supervised Classification with Self-paced Learning. Neural Processing Letters, 2020, 52, 1723-1744.	3.2	6
14	Gridwave: a grid-based clustering algorithm for market transaction data based on spatial-temporal density-waves and synchronization. Multimedia Tools and Applications, 2018, 77, 29623-29637.	3.9	5
15	UWFP-Outlier: an efficient frequent-pattern-based outlier detection method for uncertain weighted data streams. Applied Intelligence, 2020, 50, 3452-3470.	5.3	5
16	An efficient anomaly detection method for uncertain data based on minimal rare patterns with the consideration of anti-monotonic constraints. Information Sciences, 2021, 580, 620-642.	6.9	5
17	Exception Detection of Data Stream Based on Improved Maximal Frequent Itemsets Mining. Communications in Computer and Information Science, 2017, , 112-125.	0.5	5
18	Mining Recent Maximal Frequent Itemsets Over Data Streams with Sliding Window. International Arab Journal of Information Technology, 2019, 16, 961-969.	0.7	5

#	Article	IF	Citations
19	MWFP-outlier: Maximal weighted frequent-pattern-based approach for detecting outliers from uncertain weighted data streams. Information Sciences, 2022, 591, 195-225.	6.9	5
20	An improved string-searching algorithm and its application in component security testing. Tsinghua Science and Technology, 2016, 21, 281-294.	6.1	4
21	Virtual Display and Interactive Experience Platform of Farming Culture Based on Unity3D. IFAC-PapersOnLine, 2018, 51, 637-642.	0.9	4
22	ä¸€ç§å¸ºäºç‰¹å¾€€‰æ‹©ä¸Žè¿ç§»å¦‚ä¹çš„å°¦é‡è¡¥å¿è½»ä»¶ç¼º陷检æµæ—æ³•. Frontiers of Information Technology and Electro	2.0	3
23	A Novel Weighted Frequent Pattern-Based Outlier Detection Method Applied to Data Stream. , 2019, , .		2
24	Minimal Rare Pattern-Based Outlier Detection Approach For Uncertain Data Streams Under Monotonic Constraints. Computer Journal, 2023, 66, 16-34.	2.4	2
25	An Efficient Outlier Detection Approach Over Uncertain Data Stream Based on Frequent Itemset Mining. Information Technology and Control, 2019, 48, .	2.1	2
26	An Empirical Study on Vulnerability Detection for Source Code Software based on Deep Learning. , 2021, , .		2
27	L-KPCA: an efficient feature extraction method for network intrusion detection. , 2021, , .		2
28	Detecting Implicit Security Exceptions Using an Improved Variable-Length Sequential Pattern Mining Method. International Journal of Software Engineering and Knowledge Engineering, 2017, 27, 1235-1268.	0.8	1
29	Efficient GPU-Based Parallel Kriging Algorithm for Predicting the Air Quality Index. , 2017, , .		1
30	K-DBSCAN: an efficient density-based clustering algorithm supports parallel computing. International Journal of Simulation and Process Modelling, 2018, 13, 496.	0.2	1
31	KS-TCP: An Efficient Test Case Prioritization Approach based on K-medoids and Similarity. , 2021, , .		1
32	An efficient dual ensemble software defect prediction method with neural network. , 2021, , .		1
33	An Efficient Network Traffic Classification Method based on Combined Feature Dimensionality Reduction. , 2021, , .		1
34	An Identification Algorithm of Attacking Programs based on Quadratic Feature Selection and Fast Decision Tree. , 2021, , .		1
35	An Efficient Network Intrusion Detection Model Based on Temporal Convolutional Networks. , 2021, , .		1
36	Malware recognition approach based on selfâ€similarity and an improved clustering algorithm. IET Software, 2022, 16, 527-541.	2.1	1

#	Article	IF	Citations
37	Environmental monitoring and early warning based on redundant fuzzy c-means clustering algorithm. International Journal of Electrical Engineering and Education, 2019, , 002072091988424.	0.8	0
38	Outlier Detection for Sensor Data Streams Based on Maximum Frequent and Minimum Rare Patterns. Communications in Computer and Information Science, 2021, , 542-557.	0.5	0
39	Research for an Adaptive Classifier Based on Dynamic Graph Learning. Neural Processing Letters, 0, , 1.	3.2	0
40	Visual analysis system for association-based outlier detection for data streams. , 2021, , .		0
41	Minimal Rare-Pattern-Based Outlier Detection Method for Data Streams by Considering Anti-monotonic Constraints. Lecture Notes in Computer Science, 2020, , 274-289.	1.3	0
42	iTES: Integrated Testing and Evaluation System for Software Vulnerability Detection Methods. , 2020, , .		0
43	An Efficient Outlier Detection Approach for Streaming Sensor Data Based on Neighbor Difference and Clustering. Security and Communication Networks, 2022, 2022, 1-14.	1.5	0
44	A Test Case Generation Method of Combinatorial Testing based on Ï„-way Testing with Adaptive Random Testing. , 2021, , .		0