

# Saihua Cai

## List of Publications by Year in descending order

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44  
papers

224  
citations

1163117

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h-index

1125743

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g-index

48  
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48  
docs citations

48  
times ranked

127  
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimal Rare Pattern-Based Outlier Detection Approach For Uncertain Data Streams Under Monotonic Constraints. Computer Journal, 2023, 66, 16-34.	2.4	2
2	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
3	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
4	Frontiers of Information Technology and Electronic Engineering. Frontiers of Information Technology and Electronic Engineering, 2022, 16, 1-14.		
5	Malware recognition approach based on self-similarity and an improved clustering algorithm. IET Software, 2022, 16, 527-541.	2.1	1
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	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
8	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
9	Visual analysis system for association-based outlier detection for data streams. , 2021, , .		0
10	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
11	KS-TCP: An Efficient Test Case Prioritization Approach based on K-medoids and Similarity. , 2021, , .		1
12	An efficient dual ensemble software defect prediction method with neural network. , 2021, , .		1
13	A Test Case Generation Method of Combinatorial Testing based on $\bar{t}$ -way Testing with Adaptive Random Testing. , 2021, , .		0
14	An Efficient Network Traffic Classification Method based on Combined Feature Dimensionality Reduction. , 2021, , .		1
15	An Identification Algorithm of Attacking Programs based on Quadratic Feature Selection and Fast Decision Tree. , 2021, , .		1
16	An Empirical Study on Vulnerability Detection for Source Code Software based on Deep Learning. , 2021, , .		2
17	An Efficient Network Intrusion Detection Model Based on Temporal Convolutional Networks. , 2021, , .		1
18	L-KPCA: an efficient feature extraction method for network intrusion detection. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	Minimal weighted infrequent itemset mining-based outlier detection approach on uncertain data stream. <i>Neural Computing and Applications</i> , 2020, 32, 6619-6639.	5.6	12
20	CAAS: a novel collective action-based ant system algorithm for solving TSP problem. <i>Soft Computing</i> , 2020, 24, 9257-9278.	3.6	7
21	An optimized time series combined forecasting method based on neural networks. <i>Journal of Supercomputing</i> , 2020, 76, 2986-3012.	3.6	10
22	MIFI-Outlier: Minimal infrequent itemset-based outlier detection approach on uncertain data stream. <i>Knowledge-Based Systems</i> , 2020, 191, 105268.	7.1	13
23	Extreme Learning Machine for Supervised Classification with Self-paced Learning. <i>Neural Processing Letters</i> , 2020, 52, 1723-1744.	3.2	6
24	UWFP-Outlier: an efficient frequent-pattern-based outlier detection method for uncertain weighted data streams. <i>Applied Intelligence</i> , 2020, 50, 3452-3470.	5.3	5
25	An efficient approach for outlier detection from uncertain data streams based on maximal frequent patterns. <i>Expert Systems With Applications</i> , 2020, 160, 113646.	7.6	13
26	Minimal Rare-Pattern-Based Outlier Detection Method for Data Streams by Considering Anti-monotonic Constraints. <i>Lecture Notes in Computer Science</i> , 2020, , 274-289.	1.3	0
27	iTES: Integrated Testing and Evaluation System for Software Vulnerability Detection Methods. , 2020, , .		0
28	Environmental monitoring and early warning based on redundant fuzzy c-means clustering algorithm. <i>International Journal of Electrical Engineering and Education</i> , 2019, , 002072091988424.	0.8	0
29	A Novel Weighted Frequent Pattern-Based Outlier Detection Method Applied to Data Stream. , 2019, , .		2
30	A review of improved extreme learning machine methods for data stream classification. <i>Multimedia Tools and Applications</i> , 2019, 78, 33375-33400.	3.9	21
31	FCI-Outlier: An Efficient Frequent Closed Itemset-Based Outlier Detecting Approach on Data Stream. <i>Communications in Computer and Information Science</i> , 2019, , 176-187.	0.5	7
32	An efficient outlier detection approach on weighted data stream based on minimal rare pattern mining. <i>China Communications</i> , 2019, 16, 83-99.	3.2	19
33	Mining Recent Maximal Frequent Itemsets Over Data Streams with Sliding Window. <i>International Arab Journal of Information Technology</i> , 2019, 16, 961-969.	0.7	5
34	An Efficient Outlier Detection Approach Over Uncertain Data Stream Based on Frequent Itemset Mining. <i>Information Technology and Control</i> , 2019, 48, .	2.1	2
35	WMFP-Outlier: An Efficient Maximal Frequent-Pattern-Based Outlier Detection Approach for Weighted Data Streams. <i>Information Technology and Control</i> , 2019, 48, 505-521.	2.1	10
36	Gridwave: a grid-based clustering algorithm for market transaction data based on spatial-temporal density-waves and synchronization. <i>Multimedia Tools and Applications</i> , 2018, 77, 29623-29637.	3.9	5

#	ARTICLE	IF	CITATIONS
37	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
38	Virtual Display and Interactive Experience Platform of Farming Culture Based on Unity3D. IFAC-PapersOnLine, 2018, 51, 637-642.	0.9	4
39	K-DBSCAN: an efficient density-based clustering algorithm supports parallel computing. International Journal of Simulation and Process Modelling, 2018, 13, 496.	0.2	1
40	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
41	Efficient GPU-Based Parallel Kriging Algorithm for Predicting the Air Quality Index. , 2017, , .		1
42	Exception Detection of Data Stream Based on Improved Maximal Frequent Itemsets Mining. Communications in Computer and Information Science, 2017, , 112-125.	0.5	5
43	An improved string-searching algorithm and its application in component security testing. Tsinghua Science and Technology, 2016, 21, 281-294.	6.1	4
44	Research for an Adaptive Classifier Based on Dynamic Graph Learning. Neural Processing Letters, 0, , 1.	3.2	0