Unsupervised real-time anomaly detection for streamir

Citation Report

#	ARTICLE	IF	CITATIONS
1	Multi-scale Anomaly Detection with Wavelets. , 2017, , .		1
2	Fault location prediction on double-circuit transmission lines based on the hierarchical temporal memory. , 2017, , .		1
3	The HTM Spatial Pooler—A Neocortical Algorithm for Online Sparse Distributed Coding. Frontiers in Computational Neuroscience, 2017, 11, 111.	1.2	77
4	Skill Learning for Intelligent Robot by Perception-Action Integration: A View from Hierarchical Temporal Memory. Complexity, 2017, 2017, 1-16.	0.9	4
5	A Distributed Anomaly Detection System for In-Vehicle Network Using HTM. IEEE Access, 2018, 6, 9091-9098.	2.6	105
6	On Real-Time Monitoring on Data Stream for Traffic Flow Anomalies. , 2018, , .		4
7	Customized Knowledge Discovery in Databases methodology for the Control of Assembly Systems. Machines, 2018, 6, 45.	1.2	1
8	Detecting Irregular Patterns in IoT Streaming Data for Fall Detection. , 2018, , .		13
9	Learning from Data Streams Using Kernel Adaptive Filtering. SSRN Electronic Journal, 0, , .	0.4	0
10	Using Unsupervised Anomaly Detection to Analyze Physiological Signals for Emotion Recognition. , 2018, , .		0
11	Anomaly detection for health assessment and prediction of diesel generator set. , 2018, , .		3
12	Using Unsupervised Anomaly Detection to Analyze Physiological Signals for Emotion Recognition. , 2018, , .		0
13	Compressing 3D-CNNs for Hardware-Efficient Object Classification in Video Streams. , 2018, , .		0
14	A Relevance-Based Data Exploration Approach to Assist Operators in Anomaly Detection. Lecture Notes in Computer Science, 2018, , 354-371.	1.0	2
15	Real-time management model for frequent Big Data errors : Automatic Clean Repository For Big Data (ACR). , 2018, , .		2
16	Unsupervised Learning for Trustworthy IoT. , 2018, , .		14
17	Preprocessing and Framework for Unsupervised Anomaly Detection in IoT: Work on Progress. , 2018, , .		4
18	On-Device Detection via Anomalous Environmental Factors. , 2018, , .		0

#	Article	IF	Citations
19	Anomaly Detection in Satellite Communications Systems using LSTM Networks. , 2018, , .		8
20	MacroBase. ACM Transactions on Database Systems, 2018, 43, 1-45.	1.5	5
21	On Real-time Detecting Passenger Flow Anomalies. , 2018, , .		0
22	Unsupervised Real-Time Stream-Based Novelty Detection Technique an Approach in a Corporate Cloud. , 2018, , .		2
23	Anomaly Detection in Video Using Gaussian Model and Recurrent Neural Network. , 2018, , .		0
24	Concept drift robust adaptive novelty detection for data streams. Neurocomputing, 2018, 309, 46-53.	3.5	26
25	Detecting Spacecraft Anomalies Using LSTMs and Nonparametric Dynamic Thresholding. , 2018, , .		571
26	Adaptive Anomaly Detection and Root Cause Analysis by Fusing Semantics and Machine Learning. Lecture Notes in Computer Science, 2018, , 272-282.	1.0	7
27	A Locally Optimal Algorithm for Estimating a Generating Partition from an Observed Time Series and Its Application to Anomaly Detection. Neural Computation, 2018, 30, 2500-2529.	1.3	8
28	An anomaly detection system proposal to ensure information security for file integrations. , 2018, , .		2
29	An anomaly detection approach for enterprise file integration. , 2018, , .		1
30	Detecting performance anomalies in scientific workflows using hierarchical temporal memory. Future Generation Computer Systems, 2018, 88, 624-635.	4.9	25
31	Early detection of system-level anomalous behaviour using hardware performance counters. , 2018, , .		7
32	DeepDetect: A Cascaded Region-Based Densely Connected Network for Seismic Event Detection. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 62-75.	2.7	88
33	On the Performance of Hierarchical Temporal Memory Predictions of Medical Streams in Real Time. , 2019, , .		6
34	Interactive Context-Aware Anomaly Detection Guided by User Feedback. IEEE Transactions on Human-Machine Systems, 2019, 49, 550-559.	2.5	6
35	Online Anomaly Detection of Streaming Data for Space Payloads Based on Improved GNG Algorithm. , 2019, , .		0
36	Realâ€time anomaly detection with Bayesian dynamic linear models. Structural Control and Health Monitoring, 2019, 26, e2404.	1.9	18

#	ARTICLE	IF	CITATIONS
37	Automatic and Generic Periodicity Adaptation for KPI Anomaly Detection. IEEE Transactions on Network and Service Management, 2019, 16, 1170-1183.	3.2	31
38	Multi-head CNNâ€"RNN for multi-time series anomaly detection: An industrial case study. Neurocomputing, 2019, 363, 246-260.	3.5	213
39	A Method for Extracting High-Quality Core Data from Edge Computing Nodes. Mathematical Problems in Engineering, 2019, 2019, 1-10.	0.6	1
40	Unsupervised anomaly detection in unmanned aerial vehicles. Applied Soft Computing Journal, 2019, 83, 105650.	4.1	39
41	An RBM Anomaly Detector for the Cloud. , 2019, , .		8
42	SCHEDA: Lightweight euclidean-like heuristics for anomaly detection in periodic time series. Applied Soft Computing Journal, 2019, 82, 105594.	4.1	7
43	Study on wavelet neural network based anomaly detection in ocean observing data series. Ocean Engineering, 2019, 186, 106129.	1.9	15
44	An Effective Minimal Probing Approach With Micro-Cluster for Distance-Based Outlier Detection in Data Streams. IEEE Access, 2019, 7, 154922-154934.	2.6	5
45	Anomaly Detection in Time Series data using Hierarchical Temporal Memory Model. , 2019, , .		5
46	Memristor Based Autoencoder for Unsupervised Real-Time Network Intrusion and Anomaly Detection. , 2019, , .		9
47	Detecting Anomalies in Space using Multivariate Convolutional LSTM with Mixtures of Probabilistic PCA. , 2019, , .		54
48	Online sequential attack detection for ADS-B data based on hierarchical temporal memory. Computers and Security, 2019, 87, 101599.	4.0	6
49	Unsupervised Anomaly Detection for Seasonal Time Series. , 2019, , .		5
50	Spatio-temporal Anomaly Detection in Intelligent Transportation Systems. Procedia Computer Science, 2019, 151, 852-857.	1.2	15
51	Novel methodology for detecting non-ideal operating conditions for grid-connected photovoltaic plants using Internet of Things architecture. Energy Conversion and Management, 2019, 200, 112078.	4.4	22
52	Learning from data streams using kernel least-mean-square with multiple kernel-sizes and adaptive step-size. Neurocomputing, 2019, 339, 105-115.	3.5	10
53	Multi-Agent-Based Unsupervised Detection of Energy Consumption Anomalies on Smart Campus. IEEE Access, 2019, 7, 2169-2178.	2.6	114
54	Clusteringâ€based realâ€time anomaly detectionâ€"A breakthrough in big data technologies. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3647.	2.6	33

#	ARTICLE	IF	CITATIONS
55	Online detection of abnormal passenger out-flow in urban metro system. Neurocomputing, 2019, 359, 327-340.	3.5	18
56	FuseAD: Unsupervised Anomaly Detection in Streaming Sensors Data by Fusing Statistical and Deep Learning Models. Sensors, 2019, 19, 2451.	2.1	61
57	A Framework for Tunable Anomaly Detection. , 2019, , .		5
58	A Method for Anomaly Prediction in Power Consumption using Long Short-Term Memory and Negative Selection. , 2019, , .		7
59	Real-Time Anomaly Detection Method for Space Imager Streaming Data Based on HTM Algorithm. , 2019, , .		5
60	Detection of DDoS Attacks and Flash Events Using Shannon Entropy, KOAD and Mahalanobis Distance. , 2019, , .		13
61	ADSaS: Comprehensive Real-Time Anomaly Detection System. Lecture Notes in Computer Science, 2019, , 29-41.	1.0	7
62	Improved pollution forecasting hybrid algorithms based on the ensemble method. Applied Mathematical Modelling, 2019, 73, 473-486.	2.2	37
63	Enhancing intraday stock price manipulation detection by leveraging recurrent neural networks with ensemble learning. Neurocomputing, 2019, 347, 46-58.	3.5	57
64	e-Infrastructure and e-Services for Developing Countries. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , .	0.2	1
65	A new sparse representation learning of complex data: Application to dynamic clustering of web navigation. Pattern Recognition, 2019, 91, 291-307.	5.1	5
66	Classification and Prediction of Arrhythmias from Electrocardiograms Patterns Based on Empirical Mode Decomposition and Neural Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 174-184.	0.2	2
67	Real-Time Drilling Models Monitoring Using Artificial Intelligence. , 2019, , .		5
68	Context-Aware Intelligence in Resource-Constrained IoT Nodes: Opportunities and Challenges. IEEE Design and Test, 2019, 36, 7-40.	1.1	45
69	A Real-Time Anomaly Detection Approach Based on Sparse Distributed Representation. , 2019, , .		0
70	Hybridisation of classifiers for anomaly detection in big data. International Journal of Big Data Intelligence, 2019, 6, 11.	0.4	6
71	Prognostic Health Management of Production Systems. New Proposed Approach and Experimental Evidences. Procedia Manufacturing, 2019, 39, 260-269.	1.9	11
72	A Stacked Predictor and Dynamic Thresholding Algorithm for Anomaly Detection in Spacecraft. , 2019, , .		12

#	ARTICLE	IF	CITATIONS
73	Anomaly Detection As-a-Service. , 2019, , .		6
74	Two-Step Anomaly Detection for Time Series Data. , 2019, , .		1
75	Prognostication of Neurological Recovery by Analyzing Structural Breaks in EEG Data. , 2019, , .		0
76	Run-Time Safety Monitoring Framework for AI-Based Systems: Automated Driving Cases. , 2019, , .		5
77	MTSAD: Multivariate Time Series Abnormality Detection and Visualization. , 2019, , .		10
78	Towards Efficient Data Sampling for Temporal Anomaly Detection in Sensor Networks. , 2019, , .		2
79	RAMP: Real-Time Anomaly Detection in Scientific Workflows. , 2019, , .		2
80	Smart Home IoT Anomaly Detection based on Ensemble Model Learning From Heterogeneous Data. , 2019, , .		11
81	Time Series Anomaly Detection from a Markov Chain Perspective. , 2019, , .		4
82	Abnormal Behavior Detection for Elderly People Living Alone Leveraging IoT Sensors. , 2019, , .		12
83	Bag of Patterns for Nearest Neighbour Neonatal EEG Recall. , 2019, 2019, 4558-4561.		0
84	Anomaly Detection over Streaming Data: Indy500 Case Study. , 2019, , .		8
85	On-Line Error Detection and Mitigation for Time-Series Data of Cyber-Physical Systems using Deep Learning Based Methods. , 2019, , .		11
86	Online anomaly detection in ECG signal using Hierarchical Temporal Memory. , 2019, , .		3
87	Anomaly Detection in Multivariate Time Series Using Fuzzy AdaBoost and Dynamic Naive Bayesian Classifier. , 2019, , .		4
89	Anomaly Detections for Manufacturing Systems Based on Sensor Data—Insights into Two Challenging Real-World Production Settings. Sensors, 2019, 19, 5370.	2.1	39
90	An Adaptive Outlier Detection and Processing Approach Towards Time Series Sensor Data. IEEE Access, 2019, 7, 175192-175212.	2.6	33
91	Real-time big data processing for anomaly detection: A Survey. International Journal of Information Management, 2019, 45, 289-307.	10.5	245

#	Article	IF	Citations
92	An edge-stream computing infrastructure for real-time analysis of wearable sensors data. Future Generation Computer Systems, 2019, 93, 515-528.	4.9	61
93	DeepAnT: A Deep Learning Approach for Unsupervised Anomaly Detection in Time Series. IEEE Access, 2019, 7, 1991-2005.	2.6	316
94	Compression Analytics for Classification and Anomaly Detection Within Network Communication. IEEE Transactions on Information Forensics and Security, 2019, 14, 1366-1376.	4.5	14
95	Short-long term anomaly detection in wireless sensor networks based on machine learning and multi-parameterized edit distance. Information Fusion, 2019, 52, 13-30.	11.7	80
96	Unsupervised and non-parametric learning-based anomaly detection system using vibration sensor data. Multimedia Tools and Applications, 2019, 78, 4417-4435.	2.6	4
98	Imbalanced dataset-based echo state networks for anomaly detection. Neural Computing and Applications, 2020, 32, 3685-3694.	3.2	12
99	A Self Healing Microservices Architecture: A Case Study in Docker Swarm Cluster. Advances in Intelligent Systems and Computing, 2020, , 846-858.	0.5	7
100	Supervised Performance Anomaly Detection in HPC Data Centers. Advances in Intelligent Systems and Computing, 2020, , 680-688.	0.5	2
101	Smart-troubleshooting connected devices: Concept, challenges and opportunities. Future Generation Computer Systems, 2020, 111, 681-697.	4.9	20
102	Clustering data stream with uncertainty using belief function theory and fading function. Soft Computing, 2020, 24, 8955-8974.	2.1	6
103	Human behaviour modelling for welfare technology using hidden Markov models. Pattern Recognition Letters, 2020, 137, 71-79.	2.6	17
104	Generalizing identity-based string comparison metrics: Framework and techniques. Knowledge-Based Systems, 2020, 187, 104820.	4.0	22
105	Embedded Intelligence in the Internet-of-Things. IEEE Design and Test, 2020, 37, 7-27.	1.1	11
106	Hierarchical spatial-temporal modeling and monitoring of melt pool evolution in laser-based additive manufacturing. IISE Transactions, 2020, 52, 977-997.	1.6	14
107	A spatio-temporal decomposition based deep neural network for time series forecasting. Applied Soft Computing Journal, 2020, 87, 105963.	4.1	56
108	Big Data Analytics for Event Detection in the IoT-Multicriteria Approach. IEEE Internet of Things Journal, 2020, 7, 4418-4430.	5.5	20
109	Prediction of outdoor PM2.5 concentrations based on a three-stage hybrid neural network model. Atmospheric Pollution Research, 2020, 11, 469-481.	1.8	36
110	Anomaly Detection for IoT Time-Series Data: A Survey. IEEE Internet of Things Journal, 2020, 7, 6481-6494.	5.5	320

#	Article	IF	Citations
111	Effect Improved for High-Dimensional and Unbalanced Data Anomaly Detection Model Based on KNN-SMOTE-LSTM. Complexity, 2020, 2020, 1-17.	0.9	13
112	Beyond Cross-Validation—Accuracy Estimation for Incremental and Active Learning Models. Machine Learning and Knowledge Extraction, 2020, 2, 327-346.	3.2	5
113	Anomaly detection and event mining in cold forming manufacturing processes. International Journal of Advanced Manufacturing Technology, 2021, 115, 837-852.	1.5	9
114	Equipment Anomaly Detection for Semiconductor Manufacturing by Exploiting Unsupervised Learning from Sensory Data. Sensors, 2020, 20, 5650.	2.1	8
115	EO-CNN: An Enhanced CNN Model Trained by Equilibrium Optimization for Traffic Transportation Prediction. Procedia Computer Science, 2020, 176, 800-809.	1.2	39
116	Policy-based reinforcement learning for time series anomaly detection. Engineering Applications of Artificial Intelligence, 2020, 95, 103919.	4.3	42
117	Sequential online prediction in the presence of outliers and change points: An instant temporal structure learning approach. Neurocomputing, 2020, 413, 240-258.	3.5	7
118	A hybrid neural network for predicting Days on Market a measure of liquidity in real estate industry. Knowledge-Based Systems, 2020, 208, 106417.	4.0	8
119	Anomaly detection based on machine learning in IoT-based vertical plant wall for indoor climate control. Building and Environment, 2020, 183, 107212.	3.0	59
120	Anomaly Detection for Internet of Things Based on Compressed Sensing and Online Extreme Learning Machine Autoencoder. Journal of Physics: Conference Series, 2020, 1544, 012027.	0.3	3
121	Enhanced Security Using Elasticsearch and Machine Learning. Advances in Intelligent Systems and Computing, 2020, , 244-254.	0.5	5
122	Detection and Identification of Malicious Cyber-Attacks in Connected and Automated Vehicles' Real-Time Sensors. Applied Sciences (Switzerland), 2020, 10, 7833.	1.3	5
123	A survey of Big Data dimensions vs Social Networks analysis. Journal of Intelligent Information Systems, 2021, 57, 73-100.	2.8	38
124	Review of Ubiquitous Computing Based on Markov Chain and High Complexity Data Streaming Model. , 2020, , .		0
125	Hankel-based Unsupervised Anomaly Detection. , 2020, , .		3
126	Unsupervised Anomaly Detection Approach for Time-Series in Multi-Domains Using Deep Reconstruction Error. Symmetry, 2020, 12, 1251.	1.1	29
127	Convolutional neural network for detecting anomalies in the control system of a machine-building enterprise. IOP Conference Series: Materials Science and Engineering, 2020, 862, 052020.	0.3	0
128	Online DDoS attack detection using Mahalanobis distance and Kernel-based learning algorithm. Journal of Network and Computer Applications, 2020, 168, 102756.	5.8	32

#	ARTICLE	IF	CITATIONS
129	A Review of Off-Line Mode Dataset Shifts. IEEE Computational Intelligence Magazine, 2020, 15, 16-27.	3.4	5
130	Aarohi: Making Real-Time Node Failure Prediction Feasible. , 2020, , .		18
131	Text classification algorithm based on sparse distributed representation. , 2020, , .		1
132	A New Real Time Clinical Decision Support System Using Machine Learning for Critical Care Units. IEEE Access, 2020, 8, 185676-185687.	2.6	13
133	Change Detection in Complex Dynamical Systems Using Intrinsic Phase and Amplitude Synchronization. IEEE Transactions on Signal Processing, 2020, 68, 4743-4756.	3.2	6
134	A Data-Driven Approach to Detect Passenger Flow Anomaly Under Station Closure. IEEE Access, 2020, 8, 149602-149615.	2.6	5
135	Anomaly Scoring for Prediction-Based Anomaly Detection in Time Series. , 2020, , .		10
136	Security, Privacy and Trust for Smart Mobile- Internet of Things (M-IoT): A Survey. IEEE Access, 2020, 8, 167123-167163.	2.6	70
137	Unsupervised Anomaly Detection in Multivariate Spatio-Temporal Data Using Deep Learning: Early Detection of COVID-19 Outbreak in Italy. IEEE Access, 2020, 8, 164155-164177.	2.6	22
138	Orchestrating SDN Control Plane towards Enhanced IoT Security. , 2020, , .		11
139	Arrhythmias Prediction Using an Hybrid Model Based on Convolutional Neural Network and Nonlinear Regression. International Journal of Computational Intelligence and Applications, 2020, 19, 2050024.	0.6	2
141	Unsupervised Anomaly Detection Using Intelligent and Heterogeneous Autonomous Systems: Highlights From the 2020 IEEE Signal Processing Cup Student Competition [SP Competitions]. IEEE Signal Processing Magazine, 2020, 37, 152-157.	4.6	1
142	Survey of Network Intrusion Detection Methods From the Perspective of the Knowledge Discovery in Databases Process. IEEE Transactions on Network and Service Management, 2020, 17, 2451-2479.	3.2	46
143	Developing an Unsupervised Real-Time Anomaly Detection Scheme for Time Series With Multi-Seasonality. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 4147-4160.	4.0	19
144	An anomaly detection method based on double encoderâ€"decoder generative adversarial networks. Industrial Robot, 2021, 48, 643-648.	1.2	4
145	Ensemble of Hierarchical Temporal Memory for Anomaly Detection. , 2020, , .		1
146	A Dynamic Anomaly Detection Approach Based on Permutation Entropy for Predicting Aging-Related Failures. Entropy, 2020, 22, 1225.	1.1	3
147	Anomaly Detection for Time Series Using VAE-LSTM Hybrid Model. , 2020, , .		87

#	ARTICLE	IF	CITATIONS
148	One-Class Classification in Images and Videos Using a Convolutional Autoencoder With Compact Embedding. IEEE Access, 2020, 8, 86520-86535.	2.6	10
149	Automated Anomaly Detection in Large Sequences. , 2020, , .		35
150	No free lunch but a cheaper supper: A general framework for streaming anomaly detection. Expert Systems With Applications, 2020, 155, 113453.	4.4	15
151	Online anomaly detection with sparse Gaussian processes. Neurocomputing, 2020, 403, 383-399.	3.5	14
152	Training LSTM for Unsupervised Anomaly Detection Without A Priori Knowledge. , 2020, , .		3
153	Incidents Information Sharing Platform for Distributed Attack Detection. IEEE Open Journal of the Communications Society, 2020, , 1-1.	4.4	7
154	Hybrid intrusion detection system using machine learning. Network Security, 2020, 2020, 8-19.	0.6	43
155	Proactive Critical Energy Infrastructure Protection via Deep Feature Learning. Energies, 2020, 13, 2622.	1.6	10
156	Online anomaly search in time series: significant online discords. Knowledge and Information Systems, 2020, 62, 3083-3106.	2.1	3
157	Range Based Confusion Matrix for Imbalanced Time Series Classification. , 2020, , .		7
159	A Scalable Approach to Time Series Anomaly Detection & Failure Analysis for Industrial Systems. , 2020, , .		1
160	User-driven Error Detection for Time Series with Events. , 2020, , .		5
161	Anomaly Detection for Individual Sequences with Applications in Identifying Malicious Tools. Entropy, 2020, 22, 649.	1.1	4
162	Deep Learning-Based Network Security Data Sampling and Anomaly Prediction in Future Network. Discrete Dynamics in Nature and Society, 2020, 2020, 1-9.	0.5	5
163	Self-Diagnosis of Multiphase Flow Meters through Machine Learning-Based Anomaly Detection. Energies, 2020, 13, 3136.	1.6	19
164	ELM-HTM guided bio-inspired unsupervised learning for anomalous trajectory classification. Cognitive Systems Research, 2020, 63, 30-41.	1.9	13
166	Constructing a Control Chart Using Functional Data. Mathematics, 2020, 8, 58.	1.1	17
167	Sensor data quality: a systematic review. Journal of Big Data, 2020, 7, .	6.9	97

#	ARTICLE	IF	CITATIONS
168	Using improved gradient-boosted decision tree algorithm based on Kalman filter (GBDT-KF) in time series prediction. Journal of Supercomputing, 2020, 76, 6887-6900.	2.4	32
169	Multivariate time series forecasting via attention-based encoderâ€"decoder framework. Neurocomputing, 2020, 388, 269-279.	3.5	238
170	Security Log Analysis in Critical Industrial Systems Exploiting Game Theoretic Feature Selection and Evidence Combination. IEEE Transactions on Industrial Informatics, 2020, 16, 3871-3880.	7.2	6
171	Predictive Maintenance of Boiler Feed Water Pumps Using SCADA Data. Sensors, 2020, 20, 571.	2.1	28
172	An Ontology-based Knowledge Acquisition Model for Software Anomalies Systems. , 2020, , .		2
173	Online Intrusion Scenario Discovery and Prediction Based on Hierarchical Temporal Memory (HTM). Applied Sciences (Switzerland), 2020, 10, 2596.	1.3	4
174	Bound smoothing based time series anomaly detection using multiple similarity measures. Journal of Intelligent Manufacturing, 2021, 32, 1711-1727.	4.4	1
175	Online and Unsupervised Anomaly Detection for Streaming Data Using an Array of Sliding Windows and PDDs. IEEE Transactions on Cybernetics, 2021, 51, 2284-2289.	6.2	22
176	A Sequential Bayesian Approach to Online Power Quality Anomaly Segmentation. IEEE Transactions on Industrial Informatics, 2021, 17, 2675-2685.	7.2	4
177	Hybrid Approach to Document Anomaly Detection: An Application to Facilitate RPA in Title Insurance. International Journal of Automation and Computing, 2021, 18, 55-72.	4.5	54
178	Smart anomaly detection in sensor systems: A multi-perspective review. Information Fusion, 2021, 67, 64-79.	11.7	123
179	Allocation of applications to Fog resources via semantic clustering techniques: with scenarios from intelligent transportation systems. Computing (Vienna/New York), 2021, 103, 361-378.	3.2	14
180	FLAGS: A methodology for adaptive anomaly detection and root cause analysis on sensor data streams by fusing expert knowledge with machine learning. Future Generation Computer Systems, 2021, 116, 30-48.	4.9	43
181	A Host Intrusion Detection System architecture for embedded industrial devices. Journal of the Franklin Institute, 2021, 358, 210-236.	1.9	8
182	DiG: enabling out-of-band scalable high-resolution monitoring for data-center analytics, automation and control (extended). Cluster Computing, 2021, 24, 2723-2734.	3.5	6
183	Unsupervised Abnormal Sensor Signal Detection With Channelwise Reconstruction Errors. IEEE Access, 2021, 9, 39995-40007.	2.6	7
185	Novel Meta-Features for Automated Machine Learning Model Selection in Anomaly Detection. IEEE Access, 2021, 9, 89675-89687.	2.6	10
186	Review Paper on Anomaly Detection in Data Streams. Lecture Notes in Networks and Systems, 2021, , 721-728.	0.5	0

#	ARTICLE	IF	CITATIONS
187	Neuromorphic nanowire networks: principles, progress and future prospects for neuro-inspired information processing. Advances in Physics: X, 2021, 6, .	1.5	17
188	Minority Resampling Boosted Unsupervised Learning With Hyperdimensional Computing for Threat Detection at the Edge of Internet of Things. IEEE Access, 2021, 9, 126646-126657.	2.6	5
189	An Evaluation of Anomaly Detection and Diagnosis in Multivariate Time Series. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2508-2517.	7.2	52
190	Current Time Series Anomaly Detection Benchmarks are Flawed and are Creating the Illusion of Progress. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	46
191	Detecting Sequentially Novel Classes with Stable Generalization Ability. Lecture Notes in Computer Science, 2021, , 371-382.	1.0	4
192	A Review on Machine Learning Models Used for Anomaly Detection. SSRN Electronic Journal, 0, , .	0.4	0
193	A Simple Method for Unsupervised Anomaly Detection: An Application to Web Time Series Data. SSRN Electronic Journal, 0, , .	0.4	0
194	Incremental Dendritic Cell Algorithm for Intrusion Detection in Cyber-Physical Production Systems. Lecture Notes in Networks and Systems, 2021, , 664-680.	0.5	1
195	Hardware Architecture Proposal for TEDA Algorithm to Data Streaming Anomaly Detection. IEEE Access, 2021, 9, 103141-103152.	2.6	2
196	Estimation, Forecasting, and Anomaly Detection for Nonstationary Streams Using Adaptive Estimation. IEEE Transactions on Cybernetics, 2022, 52, 7956-7967.	6.2	6
197	Hierarchical Temporal Memory Continuous Learning Algorithms for Fire State Determination. Fire Technology, 2021, 57, 2905-2928.	1.5	8
198	Robust Anomaly Detection in Feature-Evolving Time Series. Computer Journal, 2022, 65, 1242-1256.	1.5	6
199	IoT-Based Computational Modeling for Next Generation Agro-Ecosystems: Research Issues, Emerging Trends and Challenges. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 1-21.	0.5	0
200	An Anomaly Detection Algorithm Selection Service for IoT Stream Data Based on Tsfresh Tool and Genetic Algorithm. Security and Communication Networks, 2021, 2021, 1-10.	1.0	4
201	FlexSketch: Estimation of Probability Density for Stationary and Non-Stationary Data Streams. Sensors, 2021, 21, 1080.	2.1	1
202	A Systematic Mapping of the Advancing Use of Machine Learning Techniques for Predictive Maintenance in the Manufacturing Sector. Applied Sciences (Switzerland), 2021, 11, 2546.	1.3	31
203	A Comparison of Deep Learning vs Traditional Machine Learning for Electricity Price Forecasting. , 2021, , .		4
204	Ternary-based feature level extraction for anomaly detection in semantic graphs: an optimal feature selection basis. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	0.8	1

#	ARTICLE	IF	CITATIONS
205	Anomaly detection using state–space models and reinforcement learning. Structural Control and Health Monitoring, 2021, 28, e2720.	1.9	9
206	Unsupervised and scalable subsequence anomaly detection in large data series. VLDB Journal, 2021, 30, 909-931.	2.7	21
207	EXPERIENCE: Algorithms and Case Study for Explaining Repairs with Uniform Profiles over IoT Data. Journal of Data and Information Quality, 2021, 13, 1-17.	1.5	3
208	Prediction of COVID-19 Waves Using Social Media and Google Search: A Case Study of the US and Canada. Frontiers in Public Health, 2021, 9, 656635.	1.3	34
209	Predictive Maintenance: A Novel Framework for a Data-Driven, Semi-Supervised, and Partially Online Prognostic Health Management Application in Industries. Applied Sciences (Switzerland), 2021, 11, 3380.	1.3	36
210	Comparison of deep learning-based methods in multimodal anomaly detection: A case study in human–robot collaboration. Science Progress, 2021, 104, 003685042110211.	1.0	1
211	An artificial intelligence-based real-time monitoring framework for time series. Journal of Intelligent and Fuzzy Systems, 2021, , 1-15.	0.8	1
212	Network Traffic Anomaly Detection via Deep Learning. Information (Switzerland), 2021, 12, 215.	1.7	19
213	Anomaly Detection in a Large-Scale Cloud Platform. , 2021, , .		10
214	A Unifying Review of Deep and Shallow Anomaly Detection. Proceedings of the IEEE, 2021, 109, 756-795.	16.4	375
215	Dynamic Shannon entropy (DySEn): a novel method to detect the local anomalies of complex time series. Nonlinear Dynamics, 2021, 104, 4007-4022.	2.7	4
216	Developing Novel Activation Functions in Time Series Anomaly Detection with LSTM Autoencoder. , 2021, , .		2
218	Event Prediction for Network Edge Devices using Log Analysis. , 2021, , .		0
219	AutoAI-TS. , 2021, , .		18
220	Real-Time Fraud Prediction On Streaming Customer-Behaviour Data. , 2021, , .		3
221	Challenges and Opportunities of AI-Enabled Monitoring, Diagnosis & Prognosis: A Review. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	1.9	70
222	Data-driven Design of Context-aware Monitors for Hazard Prediction in Artificial Pancreas Systems. , 2021, , .		8
223	A Review of Machine Learning and Deep Learning Techniques for Anomaly Detection in IoT Data. Applied Sciences (Switzerland), 2021, 11, 5320.	1.3	54

#	Article	IF	Citations
224	POLA: Online Time Series Prediction by Adaptive Learning Rates. , 2021, , .		2
225	On the Improvement of the Isolation Forest Algorithm for Outlier Detection with Streaming Data. Electronics (Switzerland), 2021, 10, 1534.	1.8	18
226	A Review on Outlier/Anomaly Detection in Time Series Data. ACM Computing Surveys, 2022, 54, 1-33.	16.1	272
227	Data stream classification with novel class detection: a review, comparison and challenges. Knowledge and Information Systems, 2021, 63, 2231-2276.	2.1	16
228	Hierarchical Temporal Memory Theory Approach to Stock Market Time Series Forecasting. Electronics (Switzerland), 2021, 10, 1630.	1.8	8
229	Structureâ€"Adaptive Sequential Testing for Online False Discovery Rate Control. Journal of the American Statistical Association, 2023, 118, 732-745.	1.8	3
230	Outlier-Aware, density-Based gaze fixation identification. Omega, 2021, 102, 102298.	3.6	5
231	Human Anomaly Detection in Surveillance Videos: A Review. Lecture Notes in Networks and Systems, 2022, , 791-802.	0.5	5
232	A Survey of Encoding Techniques for Signal Processing in Spiking Neural Networks. Neural Processing Letters, 2021, 53, 4693-4710.	2.0	55
233	An Efficient Bayesian Neural Network for Multiple Data Streams. , 2021, , .		2
234	PFWNet: Pretraining neural network via feature jigsaw puzzle for weakly-supervised temporal action localization. Neurocomputing, 2021, 443, 162-173.	3.5	2
235	Anomaly Detection, Localization and Classification Using Drifting Synchrophasor Data Streams. IEEE Transactions on Smart Grid, 2021, 12, 3570-3580.	6.2	36
236	Unsupervised Anomaly Detection in Stream Data with Online Evolving Spiking Neural Networks. Neural Networks, 2021, 139, 118-139.	3.3	37
237	Machine Learning in Chemical Engineering: Strengths, Weaknesses, Opportunities, and Threats. Engineering, 2021, 7, 1201-1211.	3.2	118
238	Pairing conceptual modeling with machine learning. Data and Knowledge Engineering, 2021, 134, 101909.	2.1	17
239	Data Analytics for Environmental Science and Engineering Research. Environmental Science & Technology, 2021, 55, 10895-10907.	4.6	44
240	A joint model for IT operation series prediction and anomaly detection. Neurocomputing, 2021, 448, 130-139.	3.5	18
241	Expect the Unexpected: Unsupervised Feature Selection for Automated Sensor Anomaly Detection. IEEE Sensors Journal, 2021, 21, 18033-18046.	2.4	21

#	ARTICLE	IF	CITATIONS
242	Anomaly Detection Techniques in Smart City: A Review from a Framework Perspective. , 2021, , .		4
243	A Robust Data-Driven Method for Multiseasonality and Heteroscedasticity in Time Series Preprocessing. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	0.8	12
244	Anomaly detection in multivariate streaming PMU data using density estimation technique in wide area monitoring system. Expert Systems With Applications, 2021, 175, 114865.	4.4	12
245	A Survey on Data-Driven Predictive Maintenance for the Railway Industry. Sensors, 2021, 21, 5739.	2.1	42
246	Decentralized Controller for Software Interconnected System Subject to Malicious Attacks. , 0, , .		0
247	Design and Development of Ternary-Based Anomaly Detection in Semantic Graphs Using Metaheuristic Algorithm. International Journal of Digital Crime and Forensics, 2021, 13, 43-64.	0.5	0
248	A novel unsupervised method for anomaly detection in time series based on statistical features for industrial predictive maintenance. International Journal of Data Science and Analytics, 2021, 12, 383-404.	2.4	9
249	A Hybrid Approach of Bayesian Structural Time Series With LSTM to Identify the Influence of News Sentiment on Short-Term Forecasting of Stock Price. IEEE Transactions on Computational Social Systems, 2021, 8, 1153-1162.	3.2	9
250	Neuroscience-Inspired Algorithms for the Predictive Maintenance of Manufacturing Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 7980-7990.	7.2	16
251	User Behavior Traffic Analysis Using a Simplified Memory-Prediction Framework. Computers, Materials and Continua, 2022, 70, 2679-2698.	1.5	1
252	Waste-to-energy forecasting and real-time optimization: An anomaly-aware approach. Renewable Energy, 2022, 181, 142-155.	4.3	4
253	Outlier Detection in Data Streams â€" A Comparative Study of Selected Methods. Procedia Computer Science, 2021, 192, 2769-2778.	1.2	9
254	Thermal Management in Large Data Centres: Security Threats and Mitigation. Communications in Computer and Information Science, 2021, , 165-179.	0.4	2
256	Detection of Anomaly in Streaming Dataset. Lecture Notes in Networks and Systems, 2021, , 413-422.	0.5	0
257	Lambda+, the Renewal of the Lambda Architecture: Category Theory to the Rescue. Lecture Notes in Computer Science, 2021, , 381-396.	1.0	6
258	Learning to Classify With Incremental New Class. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2429-2443.	7.2	18
259	Attention-Based Bi-LSTM for Anomaly Detection on Time-Series Data. Lecture Notes in Computer Science, 2021, , 129-140.	1.0	1
260	Applications of Artificial Intelligence in the Realm of Business Intelligence. , 2020, , 358-386.		2

#	Article	IF	Citations
261	ADGAS: An Advanced Data Generation for Anomalous Signals. Lecture Notes in Networks and Systems, 2021, , 137-147.	0.5	2
262	Machine Learning for Anomaly Detection: A Systematic Review. IEEE Access, 2021, 9, 78658-78700.	2.6	141
263	Brain-Inspired Golden Chip Free Hardware Trojan Detection. IEEE Transactions on Information Forensics and Security, 2021, 16, 2697-2708.	4.5	26
264	Anomaly Detection for Industrial Control Systems Using Sequence-to-Sequence Neural Networks. Lecture Notes in Computer Science, 2020, , 3-18.	1.0	14
265	Study on Software Log Anomaly Detection System with Unsupervised Learning Algorithm. Advances in Intelligent Systems and Computing, 2020, , 122-128.	0.5	2
266	Multi-source Distributed System Data forÂAI-Powered Analytics. Lecture Notes in Computer Science, 2020, , 161-176.	1.0	10
267	Pattern-Based Anomaly Detection in Mixed-Type Time Series. Lecture Notes in Computer Science, 2020, , 240-256.	1.0	16
268	Model-Based Error Detection for Industrial Automation Systems Using LSTM Networks. Lecture Notes in Computer Science, 2020, , 212-226.	1.0	8
269	Behave or Be Detected! Identifying Outlier Sequences by Their Group Cohesion. Lecture Notes in Computer Science, 2020, , 333-347.	1.0	2
270	LSTM Based Prediction and Time-Temperature Varying Rate Fusion for Hydropower Plant Anomaly Detection: A Case Study. Lecture Notes in Electrical Engineering, 2019, , 86-94.	0.3	10
271	Show Me Your Friends and Iâ€™ll Tell You Who You Are. Finding Anomalous Time Series by Conspicuous Cluster Transitions. Communications in Computer and Information Science, 2019, , 91-103.	0.4	6
272	An algorithm for outlier detection in a time series model using backpropagation neural network. Journal of King Saud University - Science, 2020, 32, 3328-3336.	1.6	19
274	TadGAN: Time Series Anomaly Detection Using Generative Adversarial Networks. , 2020, , .		116
275	MERLIN: Parameter-Free Discovery of Arbitrary Length Anomalies in Massive Time Series Archives. , 2020, , .		29
276	A semi-supervised dynamic ensemble algorithm for IoT anomaly detection. , 2020, , .		2
277	ABATe: Automatic Behavioral Abstraction Technique to Detect Anomalies in Smart Cyber-Physical Systems. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 1673-1686.	3.7	3
278	Anomaly detection of structural health monitoring data using the maximum likelihood estimation-based Bayesian dynamic linear model. Structural Health Monitoring, 2021, 20, 2936-2952.	4.3	47
279	Review of Current Machine Learning Approaches for Anomaly Detection in Network Traffic. Journal of Telecommunications and the Digital Economy, 2020, 8, 64-95.	0.4	15

#	ARTICLE	IF	CITATIONS
280	Self-Structured Cortical Learning Algorithm by Dynamically Adjusting Columns and Cells. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2020, 24, 185-198.	0.5	4
281	Insight from a Docker Container Introspection. , 2019, , .		10
282	Text Classification Techniques: A Literature Review. Interdisciplinary Journal of Information, Knowledge, and Management, 0, 13, 117-135.	0.0	60
283	RtFog: A Real-Time FPGA-Based Fog Node With Remote Dynamically Reconfigurable Application Plane for Fog Analytics Redeployment. IEEE Transactions on Green Communications and Networking, 2022, 6, 341-351.	3.5	3
284	Anomaly Detection in Sequence Data Based on MSM-H with EXPoSE. , 2021, , .		6
285	Unsupervised Tensor based Feature Extraction and Outlier Detection for Multivariate Time Series. , 2021, , .		3
286	Tracking clusters and anomalies in evolving data streams. Statistical Analysis and Data Mining, 2022, 15, 156-178.	1.4	4
287	Experience with anomaly detection using ensemble models on streaming data at HIPA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1020, 165900.	0.7	0
288	A Model for Data Enrichment over IoT Streams at Edges of Internet. Lecture Notes on Data Engineering and Communications Technologies, 2019, , 128-136.	0.5	0
289	Logistics Exceptions Monitoring for Anti-counterfeiting in RFID-Enabled Supply Chains. Advances in Intelligent Systems and Computing, 2019, , 488-505.	0.5	0
290	Multivariate Unsupervised Machine Learning for Anomaly Detection in Enterprise Applications. , 2019, , .		4
291	Datenprozessabbildung über multiple Cloud-Dienstleister. , 2019, , 363-391.		0
292	AstroBase: Distributed Long-Term Astronomical Database. Lecture Notes in Computer Science, 2019, , 56-66.	1.0	0
293	Network Anomaly Detection in Wireless Sensor Networks: A Review. Lecture Notes in Computer Science, 2019, , 196-207.	1.0	2
294	Learning in the Absence of Training Data—A Galactic Application. Springer Proceedings in Mathematics and Statistics, 2019, , 43-51.	0.1	0
295	Identify Theft Detection on e-Banking Account Opening. , 2019, , .		0
296	Channel-Wise Reconstruction-Based Anomaly Detection Framework for Multi-channel Sensor Data. Advances in Intelligent Systems and Computing, 2020, , 1222-1233.	0.5	0
298	VEDAR: Accountable Behavioural Change Detection. Advances in Intelligent Systems and Computing, 2020, , 1-17.	0.5	0

#	ARTICLE	IF	CITATIONS
299	Machine Intelligence and Automation: Deep Learning Concepts Aiding Industrial Applications. EAI/Springer Innovations in Communication and Computing, 2020, , 237-248.	0.9	4
300	Large-Scale KPI Anomaly Detection Based on Ensemble Learning and Clustering. Journal of Cyber Security, 2020, 2, 157-166.	0.3	1
301	Sequential Anomaly Detection Using Feedback and Prioritized Experience Replay. Lecture Notes in Computer Science, 2020, , 245-260.	1.0	0
302	Univariate Time Series Anomaly Labelling Algorithm. Lecture Notes in Computer Science, 2020, , 586-599.	1.0	1
303	Hierarchical Temporal Memory-Based One-Pass Learning for Real-Time Anomaly Detection and Simultaneous Data Prediction in Smart Grids. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 1770-1782.	3.7	7
304	Env2Vec. , 2020, , .		0
305	Resilient Neural Forecasting Systems. , 2020, , .		2
306	Toward Detecting Infection Incidence in People With Type 1 Diabetes Using Self-Recorded Data (Part 1): A Novel Framework for a Personalized Digital Infectious Disease Detection System. Journal of Medical Internet Research, 2020, 22, e18911.	2.1	3
307	Big Data Processing for Intrusion Detection System Context: A Review. Advances in Intelligent Systems and Computing, 2021, , 122-131.	0.5	0
308	RobustProphet: Time Series Anomaly Detection Method. , 2021, , .		1
309	Tree-based Self-adaptive Anomaly Detection by Human-Machine Interaction. , 2021, , .		0
310	ClaSP - Time Series Segmentation. , 2021, , .		7
311	Large scale log anomaly detection via spatial pooling. Cognitive Robotics, 2021, 1, 188-196.	3.2	3
312	Explaining Dynamic Changes in Various Asset€™s Relationships in Financial Markets. The Review of Socionetwork Strategies, 2021, 15, 597.	1.0	0
313	A Systematic Review on Anomaly Detection for Cloud Computing Environments. , 2020, , .		11
314	Building an Automated and Self-Aware Anomaly Detection System. , 2020, , .		2
315	Efficient discovery of emerging patternsin heterogeneous spatiotemporal data from mobile sensors. , 2020, , .		5
316	COMPARATIVE ANALYSIS OF SYSTEM LOGS AND STREAMING DATA ANOMALY DETECTION ALGORITHMS. Information Systems and Technologies Security, 2020, , 5-7.	0.2	0

#	ARTICLE	IF	CITATIONS
317	Application of Variable Step Size Beetle Antennae Search Optimization Algorithm in the Study of Spatial Cylindrical Errors. Lecture Notes in Electrical Engineering, 2020, , 646-653.	0.3	0
318	Deep Reconstruction Error Based Unsupervised Outlier Detection in Time-Series. Lecture Notes in Computer Science, 2020, , 312-321.	1.0	1
319	Challenges of Stream Learning forÂPredictive Maintenance in the Railway Sector. Communications in Computer and Information Science, 2020, , 14-29.	0.4	1
320	Machine Learning for the Complex, Multi-scale Datasets in Fusion Energy. Communications in Computer and Information Science, 2020, , 269-284.	0.4	1
321	A Machine Learning Attack on Illegal Trading. SSRN Electronic Journal, 0, , .	0.4	0
322	Machine Learning-based Anomaly Detection of Ganglia Monitoring Data in HEP Data Center. EPJ Web of Conferences, 2020, 245, 07061.	0.1	5
323	Anomaly Detection in IoT Frameworks Using Machine Learning. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 88-112.	0.4	1
324	Predictive Analytics to Prevent Voice over IP International Revenue Sharing Fraud. Lecture Notes in Computer Science, 2020, , 241-260.	1.0	3
325	A streaming approach to reveal crowded events from cellular data. Computer Communications, 2020, 152, 232-242.	3.1	2
327	Approximating median absolute deviation with bounded error. Proceedings of the VLDB Endowment, 2021, 14, 2114-2126.	2.1	7
328	Neon: Low-Latency Streaming Pipelines for HPC. , 2021, , .		1
329	Memristor Based Neuromorphic Adaptive Resonance Theory for One-Shot Online Learning and Network Intrusion Detection. , 2020, , .		1
330	Anomaly Detection in Distributed Streams. Smart Innovation, Systems and Technologies, 2021, , 139-147.	0.5	0
331	CRATOS. , 2020, , .		0
332	Anomaly Detection in an Embedded System. , 2021, , 167-211.		0
333	Towards Unsupervised Introspection of Containerized Application. , 2020, , .		4
334	Anomaly Detection in Cloud Components. , 2020, , .		5
335	DCT-GAN: Dilated Convolutional Transformer-Based GAN for Time Series Anomaly Detection. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 3632-3644.	4.0	25

#	ARTICLE	IF	CITATIONS
336	Online Anomaly Detection with Streaming Data based on Fine-grained Feature Forecasting. , 2021, , .		1
337	Detecting Aberrant Values and Their Influence on the Time Series Forecast. , 2021, , .		3
338	Survey on security issues of routing and anomaly detection for space information networks. Scientific Reports, 2021, 11, 22261.	1.6	15
339	Intuitively adaptable outlier detector. Statistical Analysis and Data Mining, 2022, 15, 463-479.	1.4	2
340	Concept Drift Detection in Data Stream Mining : A literature review. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 9523-9540.	2.7	36
341	Anomaly detection in multidimensional time series—a graph-based approach. Journal of Physics Complexity, 2021, 2, 045018.	0.9	5
342	A New Unsupervised Online Early Fault Detection Framework of Rolling Bearings Based on Granular Feature Forecasting. IEEE Access, 2021, 9, 159684-159698.	2.6	5
343	Unsupervised online anomaly detection in Software Defined Network environments. Expert Systems With Applications, 2022, 191, 116225.	4.4	6
344	Machine Learning in Financial Market Surveillance: A Survey. IEEE Access, 2021, 9, 159734-159754.	2.6	6
345	Accurate Detection of IoT Sensor Behaviors in Legitimate, Faulty and Compromised Scenarios. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 288-300.	3.7	9
347	Infrastructure-Enabled Gps Spoofing Detection and Correction. SSRN Electronic Journal, 0, , .	0.4	0
348	Robust Anomaly Detection for Multivariate Data of Spacecraft Through Recurrent Neural Networks and Extreme Value Theory. IEEE Access, 2021, 9, 167447-167457.	2.6	8
350	An incremental malware detection model for meta-feature API and system call sequence. , 0, , .		5
351	Memristor Based Neuromorphic Network Security System Capable of Online Incremental Learning and Anomaly Detection. , 2020, , .		1
352	VIMA: Modeling and Visualization of High Dimensional Machine Sensor Data Leveraging Multiple Sources of Domain Knowledge. , 2020, , .		6
353	Conversion of an Unsupervised Anomaly Detection System to Spiking Neural Network for Car Hacking Identification. , 2020, , .		3
354	Temporally-Reweighted Dirichlet Process Mixture Anomaly Detector. , 2020, , .		0
355	Detecting Anomalies from Streaming Time Series using Matrix Profile and Shapelets Learning. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
356	A Custom Unsupervised Approach for Pipe-Freeze Online Anomaly Detection. , 2021, , .		3
357	Self-supervised Complex Network for Machine Sound Anomaly Detection. , 2021, , .		4
358	Multivariate Deep Learning Model For Workload Prediction In Cloud Computing. , 2021, , .		1
359	Erma Algorithm for Time Series Anomaly Detection and the Exploration of its Application in Financial Information System. , 2021, , .		0
360	A real-time adaptive network intrusion detection for streaming data: a hybrid approach. Neural Computing and Applications, 2022, 34, 6227-6240.	3.2	10
361	Prediction of Process Quality Performance Using Statistical Analysis and Long Short-Term Memory. Applied Sciences (Switzerland), 2022, 12, 735.	1.3	2
362	Anomalies Detecting in Medical Metrics Using Machine Learning Tools. Procedia Computer Science, 2022, 198, 718-723.	1.2	5
364	Deep Learning Based Anomaly Detection for Muti-dimensional Time Series: A Survey. Communications in Computer and Information Science, 2022, , 71-92.	0.4	6
365	Dimensioning V2N Services in 5G Networks Through Forecast-Based Scaling. IEEE Access, 2022, 10, 9587-9602.	2.6	6
366	Real-time detection of uncalibrated sensors using neural networks. Neural Computing and Applications, 0, , 1.	3.2	1
367	Anomaly detection. , 2022, , 49-66.		9
368	A simple method for unsupervised anomaly detection: An application to Web time series data. PLoS ONE, 2022, 17, e0262463.	1.1	6
369	Technical design: data processing pipeline in eHealth. , 2022, , 259-283.		0
370	Neuroscience and Artificial Intelligence. Advances in Computational Intelligence and Robotics Book Series, 2022, , 212-241.	0.4	2
371	Assessing Feature Representations for Instance-Based Cross-Domain Anomaly Detection in Cloud Services Univariate Time Series Data. IoT, 2022, 3, 123-144.	2.3	2
372	Big Data-Based Autonomous Anomaly Detection Security Analytics for Protecting Virtualized Infrastructures in Cloud Computing. Studies in Computational Intelligence, 2022, , 61-72.	0.7	0
373	An Adaptive Framework for Anomaly Detection in Time-Series Audio-Visual Data. IEEE Access, 2022, 10, 36188-36199.	2.6	5
376	Anomaly Detection Via Kpis for Software Performance Failures. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
377	Real-Time Parking Space Detection and Management with Artificial Intelligence and Deep Learning System. , 2022, , 127-139.		2
378	Open-World Network Intrusion Detection. Lecture Notes in Computer Science, 2022, , 254-283.	1.0	4
379	Improved LSTM-Based Time-Series Anomaly Detection in Rail Transit Operation Environments. IEEE Transactions on Industrial Informatics, 2022, 18, 9027-9036.	7.2	46
380	Satellite Telemetry Data Anomaly Detection Using Causal Network and Feature-Attention-Based LSTM. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-21.	2.4	35
381	Impact of Driving Behavior on Commuter's Comfort During Cab Rides: Towards a New Perspective of Driver Rating. ACM Transactions on Intelligent Systems and Technology, 2022, 13, 1-25.	2.9	1
382	Unsupervised anomaly detection in multivariate time series with online evolving spiking neural networks. Machine Learning, 2022, 111, 1377-1408.	3.4	4
383	MTV: Visual Analytics for Detecting, Investigating, and Annotating Anomalies in Multivariate Time Series. Proceedings of the ACM on Human-Computer Interaction, 2022, 6, 1-30.	2.5	7
384	On the Importance of the Newborn Stage When Learning Patterns with the Spatial Pooler. SN Computer Science, 2022, 3, 1.	2.3	1
385	An Efficient Multivariate Autoscaling Framework Using Bi-LSTM for Cloud Computing. Applied Sciences (Switzerland), 2022, 12, 3523.	1.3	12
386	Hybrid anomaly detection and prioritization for network logs at cloud scale. , 2022, , .		2
387	Unsupervised detection and open-set classification of fast-ramped flexibility activation events. Applied Energy, 2022, 312, 118647.	5.1	1
388	Toward automating post processing of aquatic sensor data. Environmental Modelling and Software, 2022, 151, 105364.	1.9	5
389	Efficient time series anomaly detection by multiresolution self-supervised discriminative network. Neurocomputing, 2022, 491, 261-272.	3.5	11
390	Host-based IDS: A review and open issues of an anomaly detection system in IoT. Future Generation Computer Systems, 2022, 133, 95-113.	4.9	23
391	Weakly Supervised Temporal Anomaly Segmentation with Dynamic Time Warping. , 2021, , .		5
392	CPNet: Cross-Parallel Network for Efficient Anomaly Detection. , 2021, , .		1
393	Virtual-SRE For Monitoring Large Scale Time-series Data. , 2021, , .		0
394	Forecast-based Multi-aspect Framework for Multivariate Time-series Anomaly Detection. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
395	How Dense Autoencoders can still Achieve the State-of-the-art in Time-Series Anomaly Detection. , 2021, , .		0
396	A Behavioral Study of Advanced Security Attacks in Enterprise Networks. , 2021, , .		0
397	Detection of Demand Manipulation Attacks on a Power Grid. , 2021, , .		4
398	Cloud Failure Prediction with Hierarchical Temporal Memory: An Empirical Assessment. , 2021, , .		1
399	Latent-Insensitive Autoencoders for Anomaly Detection. Mathematics, 2022, 10, 112.	1.1	3
400	Detecting market pattern changes: A machine learning approach. Finance Research Letters, 2022, 47, 102621.	3.4	4
401	Unsupervised Feature Selection for Outlier Detection on Streaming Data to Enhance Network Security. Applied Sciences (Switzerland), 2021, 11, 12073.	1.3	6
402	A Complete Software Stack for IoT Time-Series Analysis that Combines Semantics and Machine Learning—Lessons Learned from the Dyversify Project. Applied Sciences (Switzerland), 2021, 11, 11932.	1.3	3
403	A Fully Unsupervised and Efficient Anomaly Detection Approach with Drift Detection Capability. , 2021, , .		2
404	MIR_MAD: An Efficient and On-line Approach for Anomaly Detection in Dynamic Data Stream. , 2020, , .		4
406	Performance Evaluation of Traffic Congestion Detection Algorithms in Real-Life Scenarios. , 2022, , .		0
407	A review of enhancing online learning using graph-based data mining techniques. Soft Computing, 0, , 1.	2.1	1
408	A systematic literature review of IoT time series anomaly detection solutions. Future Generation Computer Systems, 2022, 134, 170-186.	4.9	30
409	ALGAN: Anomaly Detection by Generating Pseudo Anomalous Data via Latent Variables. IEEE Access, 2022, 10, 44259-44270.	2.6	7
410	Improving Machine Self-Diagnosis with an Instance-Based Selector for Real-Time Anomaly Detection Algorithms. Lecture Notes in Business Information Processing, 2022, , 29-43.	0.8	1
411	Multi-Attention Integrated Convolutional Network for Anomaly Detection of Time Series. , 2022, , .		0
412	Residual size is not enough for anomaly detection. , 2022, , .		1
413	An efficient aggregation method for the symbolic representation of temporal data. ACM Transactions on Knowledge Discovery From Data, 0, , .	2.5	0

#	ARTICLE	IF	CITATIONS
414	Anomaly detection to improve security of big data analytics. , 2022, , .		0
415	Automatic grouping of production data in Industry 4.0: The use case of internal logistics systems based on Automated Guided Vehicles. Journal of Computational Science, 2022, 62, 101693.	1.5	17
416	FOCUSeR: A Fog Online Context-Aware Up-to-Date Sensor Ranking Method. Journal of Sensor and Actuator Networks, 2022, 11, 25.	2.3	1
417	Deep Learning for Time Series Forecasting: Tutorial and Literature Survey. ACM Computing Surveys, 2023, 55, 1-36.	16.1	42
418	A linear time method for the detection of collective andÂpoint anomalies. Statistical Analysis and Data Mining, 2022, 15, 494-508.	1.4	9
420	A Self-Trained Spatial Graph Convolutional Network for Unsupervised Human-Related Anomalous Event Detection in Complex Scenes. IEEE Transactions on Cognitive and Developmental Systems, 2023, 15, 737-750.	2.6	1
421	Locating Anomaly Clues for Atypical Anomalous Services: An Industrial Exploration. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 2746-2761.	3.7	2
422	Federated Learning forÂAnomaly Detection inÂIndustrial IoT-enabled Production Environment Supported byÂAutonomous Guided Vehicles. Lecture Notes in Computer Science, 2022, , 409-421.	1.0	3
423	TranAD. Proceedings of the VLDB Endowment, 2022, 15, 1201-1214.	2.1	132
424	TSB-UAD. Proceedings of the VLDB Endowment, 2022, 15, 1697-1711.	2.1	33
425	Change Point Detection in Clustered Network Performance Indicators. , 2022, , .		0
426	Comparative Analysis of Anomaly Detection Algorithms for Development of the Unmanned Aerial Vehicle Power Plant Digital Twin. , 2022, , .		0
427	Recognizing Multivariate Geochemical Anomalies Related to Mineralization by Using Deep Unsupervised Graph Learning. Natural Resources Research, 2022, 31, 2225-2245.	2.2	9
428	Detection and quantification of anomalies in communication networks based on LSTM-ARIMA combined model. International Journal of Machine Learning and Cybernetics, 2022, 13, 3159-3172.	2.3	5
429	Real time anomaly detection and categorisation. Statistics and Computing, 2022, 32, .	0.8	2
430	Sintel: A Machine Learning Framework to Extract Insights from Signals. , 2022, , .		6
431	Data streamsâ€"Concepts, definitions, models and applications in smart cities. , 2022, , 1-25.		0
432	On Paradigm of Industrial Big Data Analytics: From Evolution to Revolution. IEEE Transactions on Industrial Informatics, 2022, 18, 8373-8388.	7.2	30

#	ARTICLE	IF	CITATIONS
433	The Deep Radial Basis Function Data Descriptor (D-RBFDD) Network: A One-Class Neural Network for Anomaly Detection. IEEE Access, 2022, 10, 70645-70661.	2.6	3
434	A Hybrid Machine-Learning Ensemble for Anomaly Detection in Real-Time Industry 4.0 Systems. IEEE Access, 2022, 10, 72024-72036.	2.6	8
436	Towards a self-tuned data analytics-based process for an automatic context-aware detection and diagnosis of anomalies in building energy consumption timeseries. Energy and Buildings, 2022, 270, 112302.	3.1	6
437	Hierarchical pattern matching for anomaly detection in time series. Computer Communications, 2022, 193, 75-81.	3.1	2
438	A Novel Hybrid Methodology for Anomaly Detection in Time Series. International Journal of Computational Intelligence Systems, 2022, 15, .	1.6	0
439	Anomaly Detection in Audio With Concept Drift Using Dynamic Huffman Coding. IEEE Sensors Journal, 2022, 22, 17126-17138.	2.4	2
440	Outlier Sensitive Online Change Detection using Convex Combination of Adaptive Filters in Sensor Data Streams. , 2022, , .		1
441	Anomaly detection in time series. Proceedings of the VLDB Endowment, 2022, 15, 1779-1797.	2.1	85
442	Current Time Series Anomaly Detection Benchmarks are Flawed and are Creating the Illusion of Progress (Extended Abstract). , 2022, , .		5
443	Real-Time Human Fault Detection in Assembly Tasks, Based on Human Action Prediction Using a Spatio-Temporal Learning Model. Sustainability, 2022, 14, 9027.	1.6	0
444	RCAD: Real-time Collaborative Anomaly Detection System for Mobile Broadband Networks. , 2022, , .		2
445	Big Data Model of Higher Education Online Teaching Based on Intelligent Algorithm. Mobile Information Systems, 2022, 2022, 1-11.	0.4	2
446	Human-machine interactive streaming anomaly detection by online self-adaptive forest. Frontiers of Computer Science, 2023, 17, .	1.6	1
447	Local Evaluation of Time Series Anomaly Detection Algorithms. , 2022, , .		7
448	Warping resilient scalable anomaly detection in time series. Neurocomputing, 2022, 511, 22-33.	3.5	1
449	A framework for adapting online prediction algorithms to outlier detection over time series. Knowledge-Based Systems, 2022, 256, 109823.	4.0	4
450	Real-Time Anomaly Detection forÂDistributed Systems Logs Using Apache Kafka andÂH2O.ai. Communications in Computer and Information Science, 2022, , 33-42.	0.4	1
451	DC Health: Node-Level Online Anomaly Detection inÂData Center Performance Data Monitoring. Lecture Notes in Computer Science, 2022, , 632-649.	1.0	0

#	ARTICLE	IF	CITATIONS
452	Extended kernel density estimation for anomaly detection in streaming data. Procedia CIRP, 2022, 112, 156-161.	1.0	4
453	An Anomaly Detection Method for Satellites Using Monte Carlo Dropout. IEEE Transactions on Aerospace and Electronic Systems, 2022, , 1-9.	2.6	6
454	Review of Data Visualization Techniques in IoT Data. , 2022, , .		1
455	A Comparative Study and a New Industrial Platform for Decentralized Anomaly Detection Using Machine Learning Algorithms. , 2022, , .		2
456	Anomaly Detection in Time Series Data using Data-Centric AI. , 2022, , .		1
457	Volume under the surface. Proceedings of the VLDB Endowment, 2022, 15, 2774-2787.	2.1	16
458	Concept Drift Adaptation for Time Series Anomaly Detection via Transformer. Neural Processing Letters, 2023, 55, 2081-2101.	2.0	8
459	Big Data Analysis Technology for Artificial Intelligence Decision-Making Platform Construction and Application. Mobile Information Systems, 2022, 2022, 1-12.	0.4	1
460	An Unsupervised Data-Driven Anomaly Detection Approach for Adverse Health Conditions in People Living With Dementia: Cohort Study. JMIR Aging, 2022, 5, e38211.	1.4	6
461	An Anomaly Detection Method for Metro Signal and Control Systems. IFAC-PapersOnLine, 2022, 55, 1645-1650.	0.5	0
462	VAE-TCN hybrid model for KPI Anomaly Detection. , 2022, , .		0
463	Hybrid Approach to Time Series Anomaly Detection Using LSTM Networks and Ontology. Lecture Notes in Networks and Systems, 2023, , 181-191.	0.5	1
464	Detection of the New Class of Hypersonic Targets under Emerging Hyperspectral Sample Streams: An Unsupervised Isolation Forest Solution. Remote Sensing, 2022, 14, 5191.	1.8	1
465	Enabling effective breathing sound analysis for automated diagnosis of lung diseases. Smart Health, 2022, 26, 100329.	2.0	1
466	Detection of Cluster Anomalies With ML Techniques. IEEE Access, 2022, 10, 110742-110753.	2.6	0
467	Optimization of anomaly detection in a microservice system through continuous feedback from development. , 2022, , .		2
468	Bifurcating Cognitive Attention from Visual Concentration: Utilizing Cooperative Audiovisual Sensing for Demarcating Inattentive Online Meeting Participants. Proceedings of the ACM on Human-Computer Interaction, 2022, 6, 1-34.	2.5	2
469	Design and Implementation of Machine Learning-Based Fault Prediction System in Cloud Infrastructure. Electronics (Switzerland), 2022, 11, 3765.	1.8	2

#	ARTICLE	IF	CITATIONS
470	Unsupervised feature extraction from multivariate time series for outlier detection. Intelligent Data Analysis, 2022, 26, 1451-1467.	0.4	1
471	A self-supervised algorithm to detect signs of social isolation in the elderly from daily activity sequences. Artificial Intelligence in Medicine, 2023, 135, 102454.	3.8	2
472	Semi-Supervised Range-Based Anomaly Detection for Cloud Systems. IEEE Transactions on Network and Service Management, 2023, 20, 1290-1304.	3.2	1
473	Dissimilate-and-assimilate strategy for video anomaly detection and localization. Neurocomputing, 2023, 522, 203-213.	3.5	7
474	A machine learning attack on illegal trading. Journal of Banking and Finance, 2023, 148, 106735.	1.4	3
475	Ensemble2: Anomaly Detection in Communication Network. , 2022, , .		0
476	STAD-GAN: Unsupervised Anomaly Detection on Multivariate Time Series with Self-training Generative Adversarial Networks. ACM Transactions on Knowledge Discovery From Data, 2023, 17, 1-18.	2.5	5
477	Near Real-Time Anomaly Detection in NFV Infrastructures. , 2022, , .		2
478	Real-Time Filtering Non-Intentional Bid Request on Demand-Side Platform. Applied Sciences (Switzerland), 2022, 12, 12228.	1.3	0
479	ADPP: A Novel Anomaly Detection and Privacy-Preserving Framework using Blockchain and Neural Networks in Tokenomics. International Journal of Artificial Intelligence & Applications, 2022, 13, 17-32.	0.3	0
480	Anomaly detection in univariate time series incorporating active learning. Journal of Computational Mathematics and Data Science, 2023, 6, 100072.	1.3	3
481	Novel traffic congestion detection algorithms for smart city applications. Concurrency Computation Practice and Experience, 2023, 35, .	1.4	2
482	Anomaly detection in quasi-periodic energy consumption data series: a comparison of algorithms. Energy Informatics, 2022, 5, .	1.4	1
483	Spike encoding techniques for IoT time-varying signals benchmarked on a neuromorphic classification task. Frontiers in Neuroscience, 0, 16, .	1.4	6
484	MERLIN++: parameter-free discovery of time series anomalies. Data Mining and Knowledge Discovery, 2023, 37, 670-709.	2.4	1
485	Anomaly Detection based on 1D-CNN-LSTM Auto-Encoder for Bearing Data. WSEAS Transactions on Information Science and Applications, 2023, 20, 1-6.	0.2	2
486	A speed normalized autoencoder for rotating machinery fault detection under varying speed conditions. Mechanical Systems and Signal Processing, 2023, 189, 110109.	4.4	8
487	Anomaly Detection in Cloud-Native Systems. , 2022, , .		0

#	Article	IF	Citations
488	Design and Implementation of Real-time Anomaly Detection System based on YOLOv4. WSEAS Transactions on Electronics, 2022, 13, 130-136.	0.2	3
489	Analysis of Abnormal User Behavior on the Internet Based on Time Series Feature Fusion. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 1015-1023.	0.5	0
490	Exploiting the Self-Attention Mechanism in Gas Sensor Array (GSA) Data With Neural Networks. IEEE Sensors Journal, 2023, 23, 5988-5996.	2.4	1
491	Image-Consistent Detection of Road Anomalies as Unpredictable Patches. , 2023, , .		2
492	Anomaly Detection in Disaster Recovery: A Review, Current Trends and New Perspectives. , 2022, , .		1
493	A Modular Ice Cream Factory Dataset on Anomalies in Sensors to Support Machine Learning Research in Manufacturing Systems. IEEE Access, 2023, 11, 29744-29758.	2.6	1
494	RASE: A Real-Time Automatic Search Engine for Anomalous Seismic Electric Signals in Geoelectric Data. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-11.	2.7	3
495	BTAD: A binary transformer deep neural network model for anomaly detection in multivariate time series data. Advanced Engineering Informatics, 2023, 56, 101949.	4.0	10
496	Discovering Similar Spike Patterns in High Dimensional Biomedical Signals. , 2022, , .		1
497	Federated Learning for improved prediction of failures in Autonomous Guided Vehicles. Journal of Computational Science, 2023, 68, 101956.	1.5	11
498	Non-Pattern-Based Anomaly Detection in Time-Series. Electronics (Switzerland), 2023, 12, 721.	1.8	2
499	Time Series Anomaly Detection for Smart Grids via Multiple Self-Supervised Tasks Learning. , 2022, , .		0
500	DragStream: An Anomaly And Concept Drift Detector In Univariate Data Streams. , 2022, , .		2
501	GridHTM: Grid-Based Hierarchical Temporal Memory for Anomaly Detection in Videos. Sensors, 2023, 23, 2087.	2.1	3
502	Anomaly detection for construction vibration signals using unsupervised deep learning and cloud computing. Advanced Engineering Informatics, 2023, 55, 101907.	4.0	1
503	Adversarial Autoencoder for Unsupervised Time Series Anomaly Detection and Interpretation. , 2023, , .		1
504	Time Series Dataset Survey for Forecasting with Deep Learning. Forecasting, 2023, 5, 315-335.	1.6	2
505	A Benchmark for Real-Time Anomaly Detection Algorithms Applied in Industry 4.0. Lecture Notes in Computer Science, 2023, , 20-34.	1.0	0

#	ARTICLE	IF	CITATIONS
506	Anomaly Detection of High-Frequency Sensing Data in Transportation Infrastructure Monitoring System Based on Fine-Tuned Model. IEEE Sensors Journal, 2023, 23, 8630-8638.	2.4	4
507	Unsupervised Abnormal Transaction Order Detection Method Based on Deep Learning Time Factor. Journal of Physics: Conference Series, 2023, 2449, 012029.	0.3	0
508	A Deep Learning Approach for Real-Time Application-Level Anomaly Detection in IoT Data Streaming. , 2023, , .		1
509	CNTS: Cooperative Network for Time Series. IEEE Access, 2023, 11, 31941-31950.	2.6	1
510	Leak Localization Using Graph Based Reinforcement Leaning for Subterranean Electrical Cables. , 2023, , .		0
511	A novel abnormal data detection method based on dynamic adaptive local outlier factor for vibration signal of rotating parts. Measurement Science and Technology, 0, , .	1.4	1
512	A novel physics-informed framework for real-time adaptive modal parameters estimation of offshore structures. Ocean Engineering, 2023, 280, 114517.	1.9	1
515	A Lightweight Hybrid Framework for Real-Time Detection of Process Related Anomalies in Industrial Time Series Data Generated by Online Industrial IoT Sensors. , 2023, , .		0
516	Network Behavior Anomaly Detection using Decision Tree. , 2023, , .		0
518	Comparing Autoencoder and Isolation Forest in Network Anomaly Detection. , 2023, , .		0
526	Music Performance Score Database on Account of Fusion Algorithm. Lecture Notes in Electrical Engineering, 2023, , 352-358.	0.3	0
528	Multimodal Machine Learning in Prognostics and Health Management of Manufacturing Systems. Springer Series in Reliability Engineering, 2023, , 167-197.	0.3	0
529	Anomaly Detection on IBM Z Mainframes: Performance Analysis and More. , 2023, , .		0
530	Poster: StreamToxWatch â€" Data Poisoning Detector in Distributed, Event-based Environments. , 2023, , .		1
535	Matrix Profile based Anomaly Detection in Streaming Gait Data for Fall Prevention. , 2023, , .		1
537	RADAR: Reactive Concept Drift Management with Robust Variational Inference for Evolving IoT Data Streams. , 2023, , .		1
539	Online Unsupervised Anomaly Detection in Stream Data with Spiking Neural Networks Using Dynamic Scoring. Lecture Notes in Computer Science, 2023, , 153-164.	1.0	0
540	Multivariate Time Series Anomaly Detection Method Based on mTranAD. Lecture Notes in Computer Science, 2023, , 52-63.	1.0	0

#	ARTICLE	IF	CITATIONS
541	RTAD-TP: Real-Time Anomaly Detection Algorithm forÂUnivariate Time Series Data Based onÂTwo-Parameter Estimation. Lecture Notes in Computer Science, 2023, , 92-101.	1.0	0
542	State-Transition-Aware Anomaly Detection Under Concept Drifts. Lecture Notes in Computer Science, 2023, , 49-63.	1.0	0
543	DRUM: A Real Time Detector forÂRegime Shifts inÂData Streams viaÂanÂUnsupervised, Multivariate Framework. Lecture Notes in Computer Science, 2023, , 294-302.	1.0	0
548	Detection and Mitigation of GPS Attack via Cooperative Localization. , 2023, , .		0
550	Anomaly Detection in Time Series: Current Focus and Future Challenges. Artificial Intelligence, 0, , .	2.0	0
551	Signal Processing Based Method for Real-Time Anomaly Detection in High-Performance Computing. , 2023, , .		0
552	Fishing Trawler Event Detection: An Important Step Towards Digitization of Sustainable Fishing. , 2023, , .		0
553	Time series prediction and anomaly detection with recurrent spiking neural networks. , 2023, , .		0
554	Are we certain itâ€™s anomalous?. , 2023, , .		1
555	Real-Time Outlier Detection with Dynamic Process Limits. , 2023, , .		0
556	Ada-Thres: An Adaptive Thresholding Method To Mitigate The False Alarms. , 2022, , .		0
558	Anomaly Detection in Online Data Streams Using Deep Belief Neural Networks. Lecture Notes in Networks and Systems, 2023, , 729-749.	0.5	0
560	Comparison ofÂVarious Methodologies toÂDetect Anomalies inÂaÂTime Series Data Taken fromÂaÂTunnelling Project. Lecture Notes in Civil Engineering, 2024, , 205-222.	0.3	1
565	O^{2}DCA: Online Outlier Detection and Classification Approach for WSN. , 2023, , .		1
566	A Multivariate Time Series Anomaly Detection Model Based on Spatio-Temporal Dual Features. , 2023, , .		0
567	Machine Learning Algorithms for Attack and Anomaly Detection in IoT. Lecture Notes in Electrical Engineering, 2024, , 291-303.	0.3	0
569	MeX FX algorithm in temperature sensor data reconstruction. AIP Conference Proceedings, 2023, , .	0.3	0
570	EvoAlign: A Continual Learning Framework for Aligning Evolving Networks. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
571	AutoConf: Automated Configuration of Unsupervised Learning Systems Using Metamorphic Testing and Bayesian Optimization. , 2023, , .		0
574	Log Drift Impact onÂOnline Anomaly Detection Workflows. Lecture Notes in Computer Science, 2024, , 267-283.	1.0	0
576	Event-Based Data Pipelines in Recommender Systems: The Data Engineering Perspective. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2024, , 29-43.	0.2	0
579	Online Data Drift Detection for Anomaly Detection Services based on Deep Learning towards Multivariate Time Series. , 2023, , .		0
581	Big Data in Real Time to Detect Anomalies. Advances in Business Information Systems and Analytics Book Series, 2024, , 372-397.	0.3	0
589	mTADS: Multivariate Time Series Anomaly Detection Benchmark Suites. , 2023, , .		0
590	Effective Prediction of Energy Consumption in Automated Guided Vehicles with Recurrent and Convolutional Neural Networks. , 2023, , .		0
593	Anomaly Detection in Real Scarce Data: A Case Study on Monitoring Elderly's Physical Activity and Sleep. , 2023, , .		0