Tohari Ahmad

List of Publications by Year
in descending order

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106	849	933447	677142
papers	citations	10 h-index	22 g-index

108	108	108	437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improving the performance of histogram-based data hiding method in the video environment. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 1362-1372.	3.9	13
2	Improved Interpolation-Based Reversible Audio Data Hiding Using Sample Dispersion and Value Shifting. Lecture Notes in Networks and Systems, 2022, , 647-656.	0.7	0
3	Sliding Time Analysis in Traffic Segmentation for Botnet Activity Detection. , 2022, , .		2
4	Prototyping Distributed Botnet Detection System in Computer Networks. , 2022, , .		0
5	Secret Message Protection using Fuzzy Logic and Difference Expansion in Digital Images. , 2022, , .		17
6	A New Approach to Detecting Bot Attack Activity Scenario. Advances in Intelligent Systems and Computing, 2021, , 823-835.	0.6	7
7	Reversible difference expansion multi-layer data hiding technique for medical images. International Journal of Advances in Intelligent Informatics, 2021, 7, 1.	1.2	3
8	ANOVA-SVM for Selecting Subset Features in Encrypted Internet Traffic Classification. International Journal of Intelligent Engineering and Systems, 2021, 14, 536-546.	0.6	8
9	Enhancing Quality of the Stego Image by Using Histogram Partition and Prediction Error. International Journal of Intelligent Engineering and Systems, 2021, 14, 511-520.	0.6	3
10	Audio-based Data Hiding using All-in Modulo of Difference. , 2021, , .		1
11	Multi-Device Task Offloading with Scheduling in an Edge Cloud Platform. , 2021, , .		0
12	Two Level Prediction Error and Three Direction Shifting for Hiding Data in Digital Video. , 2021, , .		1
13	Modified Pixel Value Ordering-based Predictor for Reversible Data Hiding on Video. , 2021, , .		0
14	Dataset for Botnet group activity with adaptive generator. Data in Brief, 2021, 38, 107334.	1.0	6
15	Forensic Analysis of Copy-Move Attack with Robust Duplication Detection. Advances in Intelligent Systems and Computing, 2021, , 404-413.	0.6	1
16	Reducing the Error Mapping of the Studentsâ€™ Performance Using Feature Selection. Advances in Intelligent Systems and Computing, 2021, , 176-185.	0.6	0
17	Clustering the Students' Behavior on the e-Learning using the Density-Based Algorithm. , 2021, , .		3
18	A hybrid machine learning method for increasing the performance of network intrusion detection systems. Journal of Big Data, 2021, 8, .	11.0	22

#	ARTICLE	IF	CITATIONS
19	Analysis of Image Steganography using Wavelet and Cosine Transforms. , 2021, , .		2
20	Improved prediction error expansion and mirroring embedded samples for enhancing reversible audio data hiding. Heliyon, 2021, 7, e08381.	3.2	1
21	Evaluating the Impact of the Number of Secret Sharing Participants on Stego Image. , 2021, , .		1
22	Hiding Messages in Audio using Modulus Operation and Simple Partition. , 2021, , .		14
23	Variance Threshold as Early Screening to Boruta Feature Selection for Intrusion Detection System. , 2021, , .		5
24	Improved Intelligent Partitioning Scheme for Audio Data Hiding. , 2021, , .		0
25	Improving the Capacity of Data Hiding by Modifying the Interpolation of Audio Samples. , 2020, , .		0
26	Path Selection in Software Defined Network Data Plane using Least Loaded Path. , 2020, , .		3
27	Feature Importance Ranking for Increasing Performance of Intrusion Detection System. , 2020, , .		6
28	Improving Intrusion Detection System by Estimating Parameters of Random Forest in Boruta. , 2020, , .		17
29	Pearson Correlation Attribute Evaluation-based Feature Selection for Intrusion Detection System. , 2020, , .		7
30	Hiding data in audio files: A smoothing-based approach to improve the quality of the stego audio. Heliyon, 2020, 6, e03464.	3.2	10
31	Analyzing the Performance of Intrusion Detection Model Using Weighted One-Against-One Support Vector Machine and Feature Selection for Imbalanced Classes. International Journal of Intelligent Engineering and Systems, 2020, 13, 151-160.	0.6	1
32	Improving the Performance of Data Hiding by Designing Three Samples-based Smoothing in Audio. International Journal of Intelligent Engineering and Systems, 2020, 13, 196-204.	0.6	2
33	Detecting Intrusions in Computer Network Traffic with Machine Learning Approaches. International Journal of Intelligent Engineering and Systems, 2020, 13, 433-445.	0.6	15
34	Reducing Computational Cost of Pair-Polar Coordinate-based Cancelable Fingerprint Template Matching. , 2020, , .		0
35	Data Reduction for Optimizing Feature Selection in Modeling Intrusion Detection System. International Journal of Intelligent Engineering and Systems, 2020, 13, 199-207.	0.6	4
36	Reversible data hiding with segmented secrets and smoothed samples in various audio genres. Journal of Big Data, 2020, 7, .	11.0	1

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37	Cancellable fingerprint generation by projection based transformation and quantization. , 2020, , .		1
38	Route Discovery to Avoid Congestion in Software Defined Networks. , 2020, , .		1
39	Utilizing Fuzzy Logic in Developing Reversible Data Hiding Method. International Journal of Intelligent Engineering and Systems, 2020, 13, 327-336.	0.6	5
40	A New Approach of Botnet Activity Detection Model based on Time Periodic Analysis. , 2020, , .		5
41	Anomaly-based Intrusion Detection Approach for IoT Networks Using Machine Learning. , 2020, , .		22
42	Evaluating the Performance of Fibbing Architecture in the Hybrid Software Defined Network. , 2020, , .		1
43	A New Data Hiding Method for Protecting Bigger Secret Data. , 2019, , .		0
44	Analyzing the Effect of Block Size on the Quality of the Stego Audio. , 2019, , .		3
45	An Energy-Aware Computation Offloading Framework for a Mobile Crowdsensing Cluster Using DMIPS Approach. , 2019, , .		0
46	Assessing Centroid-Based Classification Models for Intrusion Detection System Using Composite Indicators. Procedia Computer Science, 2019, 161, 665-676.	2.0	9
47	Hiding Secret Data in Grayscale Images by Improving the Method of Reduced Difference Expansion. , 2019, , .		0
48	Protecting Secret Data using RDE and Fuzzy Logic to Specify the Embedding Level. , 2019, , .		0
49	Multiple Embedding Process for Increasing the Capacity of the Embedded Secret Message. , 2019, , .		0
50	Information hiding scheme for digital images using difference expansion and modulus function. Journal of King Saud University - Computer and Information Sciences, 2019, 31, 335-347.	3.9	45
51	Cluster Analysis-Based Approach Features Selection on Machine Learning for Detecting Intrusion. International Journal of Intelligent Engineering and Systems, 2019, 12, 233-243.	0.6	5
52	Increasing Accuracy and Completeness of Intrusion Detection Model Using Fusion of Normalization, Feature Selection Method and Support Vector Machine. International Journal of Intelligent Engineering and Systems, 2019, 12, 378-389.	0.6	12
53	Reversible data hiding method by extending reduced difference expansion. International Journal of Advances in Intelligent Informatics, 2019, 5, 101.	1.2	4
54	Digital Image Information Hiding Methods for Protecting Transmitted Data: A Survey. Journal of Communications, 2019, , 9-16.	1.6	1

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55	Developing audio data hiding scheme using random sample bits with logical operators. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 13, 147.	0.8	3
56	Reversible Data Hiding in Audio Based on Discrete Cosine Transform and Location Maps. International Journal of Intelligent Engineering and Systems, 2019, 12, 41-49.	0.6	1
57	Histogram-based multilayer reversible data hiding method for securing secret data. Bulletin of Electrical Engineering and Informatics, 2019, 8, 1128-1134.	0.8	1
58	Improving the Quality of Stego Image Using Prediction Error and Histogram Modification. International Journal of Intelligent Engineering and Systems, 2019, 12, 95-103.	0.6	1
59	Continuous Top-k Dominating Query of Incomplete Data over Data Streams. , 2018, , .		3
60	An Improved Secret Message Capacity Using Modulus Function Based Color Image Data Hiding. , 2018, , .		2
61	Audio Data Hiding Using Octal Modulus Function Based Unsigned Integer Sample Values. , 2018, , .		6
62	Analyzing the Performance of Machine Learning Algorithms in Anomaly Network Intrusion Detection Systems. , 2018, , .		7
63	Position-Based Scheme for Multi-Hop Routing Protocol in Cluster-Based Wireless Sensor Networks. , 2018, , .		5
64	Adaptive Pixel Value Grouping for Protecting Secret Data in Public Computer Networks. Journal of Communications, 2018, , 325-332.	1.6	3
65	Peningkatan Kualitas Citra Stego pada Adaptive Pixel Block Grouping Reduction Error Expansion dengan Variasi Model Scanning pada Pembentukan Kelompok Piksel. Jurnal Teknologi Informasi Dan Ilmu Komputer, 2018, 5, 185-196.	0.1	0
66	ENHANCEMENT OF PIXEL VALUE ORDERING BASED DATA HIDING BY ROW BLOCK PARTITION. Jurnal Ilmu Komputer Dan Informasi, 2018, 11, 77.	0.3	0
67	Protecting Data by Improving Quality of Stego Image based on Enhanced Reduced difference Expansion. International Journal of Electrical and Computer Engineering, 2018, 8, 2468.	0.7	6
68	Enhanced pixel value modification based on modulus function for RGB image steganography. , 2017, , .		4
69	A Study on Intrusion Detection Using Centroid-Based Classification. Procedia Computer Science, 2017, 124, 672-681.	2.0	14
70	Edit distance weighting modification using phonetic and typographic letter grouping over homomorphic encrypted data. , 2017, , .		0
71	A data hiding approach using enhanced-RDE in grayscale images. , 2017, , .		1
72	SCFT: Sector-based cancelable fingeprint template. , 2017, , .		0

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73	A Mobile Crowdsensing Framework for Integrating Smartphone and IoT Devices to Cloud Computing Services. , 2017, , .		1
74	Peningkatan Kapasitas Penyisipan Audio Data Hiding Berbasiskan Modifikasi Metode Least Significant Digit. Jurnal Nasional Teknik Elektro Dan Teknologi Informasi, 2017, 6, .	0.1	1
75	Desain Metode Polar Fuzzy Vault untuk Proteksi Data Sidik Jari. Jurnal Nasional Teknik Elektro Dan Teknologi Informasi, 2017, 6, .	0.1	0
76	Pengembangan Metode Pengamanan Data Menggunakan Teknik Interpolasi antar Piksel dan Reduced Difference Expansion. Jurnal Rekayasa Elektrika, 2017, 13, 87.	0.3	0
77	Adaptive image compression using Adaptive Huffman and LZW. , 2016, , .		4
78	Using Quality Threshold distance to detect intrusion in TCP/IP network. , 2016, , .		2
79	Increasing performance of IDS by selecting and transforming features. , 2016, , .		13
80	Overlapped scheme for neighboring similarity method in video-based data hiding. , 2016, , .		1
81	Hiding secret data by using modulo function in quad difference expansion. , 2016, , .		4
82	An improved neighbouring similarity method for video steganography. , 2016, , .		4
83	Enhancing DE-based data hiding method by controlling the expansion. , 2016, , .		4
84	Increasing Accuracy of Process-based Fraud Detection Using a Behavior Model. International Journal of Software Engineering and Its Applications, 2016, 10, 175-188.	0.2	7
85	Detecting Intrusion Using Recursive Clustering and Sum of Log Distance to Sub-centroid. Procedia Computer Science, 2015, 72, 446-452.	2.0	5
86	A context-awareness approach for improving reporting protocol for activity and position tracking for social networking services. , 2015, , .		1
87	Improving the performance of projection-based cancelable fingerprint template method. , 2015, , .		4
88	Transforming minutiae for protecting fingerprint data. , 2015, , .		2
89	Increasing the capacity of the secret data using DEpixels blocks and adjusted RDE-based on grayscale images. , 2015, , .		9
90	Fuzzy MADM Approach for Rating of Process-Based Fraud. Journal of ICT Research and Applications, 2015, 9, 111-128.	0.8	26

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91	Emoticon-based steganography for securing sensitive data. , 2014, , .		1
92	A prototype of event-based tracking system for mobile users. , 2014, , .		0
93	Shared secret-based steganography for protecting medical data. , 2014, , .		13
94	Identification of process-based fraud patterns in credit application. , 2014, , .		19
95	A Novel Random Email-Based Steganography. International Journal of E-Education E-Business E-Management and E-Learning, 2014, 4, .	0.3	2
96	Increasing the Performance of Difference Expansion-based Steganography when Securing Medical Data. The Smart Computing Review, 2014, 4, .	0.4	15
97	Falls Detection and Notification System Using Tri-axial Accelerometer and Gyroscope Sensors of a Smartphone. , 2013, , .		17
98	An improved Quad and RDE-based medical data hiding method. , 2013, , .		21
99	Cartesian and polar transformation-based cancelable fingerprint template. , 2011, , .		9
100	A fingerprint based bioâ€cryptographic security protocol designed for client/server authentication in mobile computing environment. Security and Communication Networks, 2011, 4, 487-499.	1.5	82
101	Pair-polar coordinate-based cancelable fingerprint templates. Pattern Recognition, 2011, 44, 2555-2564.	8.1	180
102	A novel image encryption method based on invertible 3D maps and its security analysis. , 2011, , .		1
103	String-based cancelable fingerprint templates. , 2011, , .		10
104	Generating cancelable biometrie templates using a projection line. , 2010, , .		16
105	An Efficient Mobile Voting System Security Scheme Based on Elliptic Curve Cryptography. , 2009, , .		25
106	Developing Data Integrity in an Electronic Health Record System using Blockchain and InterPlanetary File System (Case Study: COVID-19 Data). Emerging Science Journal, 0, 4, 190-206.	3.7	3