

Jasni M Zain

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

1,459
citations

471371

17
h-index

395590

33
g-index

98
all docs

98
docs citations

98
times ranked

1181
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Image Watermarking Theories and Techniques: A Review. Journal of Applied Research and Technology, 2014, 12, 122-138.	0.6	147
2	Secured Data Collection With Hardware-Based Ciphers for IoT-Based Healthcare. IEEE Internet of Things Journal, 2019, 6, 410-420.	5.5	135
3	From Intrusion Detection to an Intrusion Response System: Fundamentals, Requirements, and Future Directions. Algorithms, 2017, 10, 39.	1.2	112
4	A new efficient normal parameter reduction algorithm of soft sets. Computers and Mathematics With Applications, 2011, 62, 588-598.	1.4	87
5	A wavelet-based particle swarm optimization algorithm for digital image watermarking. Integrated Computer-Aided Engineering, 2012, 19, 81-91.	2.5	82
6	Medical Image Watermarking with Tamper Detection and Recovery. , 2006, 2006, 3270-3.		75
7	Watermark Compression in Medical Image Watermarking Using Lempel-Ziv-Welch (LZW) Lossless Compression Technique. Journal of Digital Imaging, 2016, 29, 216-225.	1.6	69
8	A novel soft set approach in selecting clustering attribute. Knowledge-Based Systems, 2012, 36, 139-145.	4.0	57
9	Tamper Localization and Lossless Recovery Watermarking Scheme with ROI Segmentation and Multilevel Authentication. Journal of Digital Imaging, 2013, 26, 316-325.	1.6	35
10	Region of Interest-Based Tamper Detection and Lossless Recovery Watermarking Scheme (ROI-DR) on Ultrasound Medical Images. Journal of Digital Imaging, 2017, 30, 328-349.	1.6	33
11	Cross-VM cache-based side channel attacks and proposed prevention mechanisms: A survey. Journal of Network and Computer Applications, 2017, 93, 259-279.	5.8	32
12	DFIS: A novel data filling approach for an incomplete soft set. International Journal of Applied Mathematics and Computer Science, 2012, 22, 817-828.	1.5	31
13	MGR: An information theory based hierarchical divisive clustering algorithm for categorical data. Knowledge-Based Systems, 2014, 67, 401-411.	4.0	28
14	A New Smooth Support Vector Machine and Its Applications in Diabetes Disease Diagnosis. Journal of Computer Science, 2009, 5, 1003-1008.	0.5	25
15	Data Mining for Education Decision Support: A Review. International Journal of Emerging Technologies in Learning, 2014, 9, 4.	0.8	25
16	Evaluation of Medical Image Watermarking with Tamper Detection and Recovery (AW-TDR). Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5662-5.	0.5	22
17	Data Filling Approach of Soft Sets under Incomplete Information. Lecture Notes in Computer Science, 2011, , 302-311.	1.0	22
18	Clinical Evaluation of Watermarked Medical Images. , 2006, 2006, 5459-62.		21

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19	A static approach towards mobile botnet detection. , 2016, , .		21
20	Extension and Prerequisite: An Algorithm to Enable Relations Between Responses in Chatbot Technology. Journal of Computer Science, 2010, 6, 1212-1218.	0.5	18
21	Reversible medical image watermarking for tamper detection and recovery. , 2010, , .		17
22	An Adjustable Approach to Interval-Valued Intuitionistic Fuzzy Soft Sets Based Decision Making. Lecture Notes in Computer Science, 2011, , 80-89.	1.0	17
23	VAP code: A secure graphical password for smart devices. Computers and Electrical Engineering, 2017, 59, 99-109.	3.0	15
24	Design of low-energy buildings in densely populated urban areas based on IoT. Energy Reports, 2022, 8, 4822-4833.	2.5	15
25	Knowledge of extraction from trained neural network by using decision tree. , 2016, , .		14
26	Shrewd vehicle framework model with a streamlined informed approach for green transportation in smart cities. Environmental Impact Assessment Review, 2021, 87, 106542.	4.4	14
27	One-Match and All-Match Categories for Keywords Matching in Chatbot. American Journal of Applied Sciences, 2010, 7, 1406-1411.	0.1	13
28	Big Data prediction framework for weather Temperature based on MapReduce algorithm. , 2016, , .		13
29	Response option for attacks detected by intrusion detection system. , 2015, , .		12
30	Using Aesthetic Measurement Application (AMA) to Measure Aesthetics of Web Page Interfaces. , 2008, , .		11
31	Fabric authenticity method using fast Fourier transformation detection. , 2011, , .		11
32	Digital watermarking for recovering attack areas of medical images using spiral numbering. , 2013, , .		9
33	A REVIEW ON THE DEVELOPMENT OF INDONESIAN SIGN LANGUAGE RECOGNITION SYSTEM. Journal of Computer Science, 2013, 9, 1496-1505.	0.5	9
34	Bit allocation strategy based on Psychovisual threshold in image compression. Multimedia Tools and Applications, 2018, 77, 13923-13946.	2.6	9
35	Reversible Watermarking Surviving JPEG Compression. , 2005, 2005, 3759-62.		8
36	An architectural design of Virtual Dietitian (ViDi) for diabetic patients. , 2009, , .		8

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37	Loop-based RSA key generation algorithm using string identity. , 2013, , .		8
38	Recognition of Malaysian Sign Language using skeleton data with Neural Network. , 2015, , .		8
39	Performance of various speckle reduction filters on Synthetic Aperture Radar image. , 2015, , .		8
40	Watermarking of ultrasound medical images in teleradiology using compressed watermark. Journal of Medical Imaging, 2016, 3, 017001.	0.8	8
41	Enhancing Thinning Method for Malaysian Car Plates Recognition. , 2007, , .		7
42	Experiment of Tamper Detection and Recovery Watermarking in PACS. , 2010, , .		7
43	Mobile cloud computing & mobile battery augmentation techniques: A survey. , 2014, , .		7
44	A Soft Set Approach for Clustering Student Assessment Datasets. Journal of Computational and Theoretical Nanoscience, 2015, 12, 5928-5939.	0.4	7
45	Numbering with spiral pattern to prove authenticity and integrity in medical images. Pattern Analysis and Applications, 2017, 20, 1129-1144.	3.1	7
46	Internet of things assisted condition-based support for smart manufacturing industry using learning technique. Computational Intelligence, 2020, 36, 1737-1754.	2.1	7
47	Parallel Digital Watermarking Process on Ultrasound Medical Images in Multicores Environment. International Journal of Biomedical Imaging, 2016, 2016, 1-14.	3.0	6
48	An Improved Robust Watermarking Scheme using Flexible Scaling Factor. , 2020, , .		6
49	A Study on the Validation of Histogram Equalization as a Contrast Enhancement Technique. , 2012, , .		5
50	Localization Watermarking for Authentication of Text Images in Quran with Spiral Manner Numbering. , 2013, , .		5
51	A review on parallel medical image processing on GPU. , 2015, , .		5
52	Comparison of fuzzy filters on Synthetic Aperture Radar image. , 2016, , .		5
53	Data Mining Technique for Medical Diagnosis Using a New Smooth Support Vector Machine. Communications in Computer and Information Science, 2010, , 15-27.	0.4	5
54	An Efficient Middleware for Storing and Querying XML Data in Relational Database Management System. Journal of Computer Science, 2011, 7, 314-319.	0.5	4

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55	Metamodel for Mathematical Modelling Surfaces of Celestial Bodies on the Base of Radiolocation Data. Indian Journal of Science and Technology, 2015, 8, .	0.5	4
56	Clinical Assessment of Watermarked Medical Images. Journal of Computer Science, 2009, 5, 857-863.	0.5	4
57	Experiment of Tamper Detection and Recovery Watermarking in Picture Archiving and Communication Systems. Journal of Computer Science, 2010, 6, 794-799.	0.5	3
58	Scene segmentation based on seeded region growing for foreground detection. , 2010, , .		3
59	The usage of block average intensity in tamper localization for image watermarking. , 2011, , .		3
60	Current Issues in Ciphertext Policy-Attribute Based Scheme for Cloud Computing: A Survey. International Journal of Engineering and Technology(UAE), 2018, 7, 64.	0.2	3
61	Mobile Cloud Computing with SOAP and REST Web Services. Journal of Physics: Conference Series, 2018, 1018, 012005.	0.3	3
62	Alternative Model for Extracting Multidimensional Data Based-On Comparative Dimension Reduction. Communications in Computer and Information Science, 2011, , 28-42.	0.4	3
63	Enhancement Algorithms for SQL-Based Chatbot. Communications in Computer and Information Science, 2011, , 470-479.	0.4	3
64	A New Performance Trade-Off Measurement Technique for Evaluating Image Watermarking Schemes. Communications in Computer and Information Science, 2011, , 567-580.	0.4	3
65	An Automated Real-Time System for Opinion Mining using a Hybrid Approach. International Journal of Intelligent Systems and Applications, 2016, 8, 55-64.	0.9	3
66	Authentication system for medical images using Hilbert numbering. , 2014, , .		2
67	HILBERT-LSB-C as authentication system for color medical images. , 2015, , .		2
68	Security robot for the prevention of workplace violence using the Non-linear Adaptive Heuristic Mathematical Model. Work, 2021, 68, 853-861.	0.6	2
69	Malaysian Car Plates Recognition Using Freeman Chain Codes and Charactersâ€™ Features. Communications in Computer and Information Science, 2011, , 581-591.	0.4	2
70	A Big Data Prediction Framework for Weather Forecast Using MapReduce Algorithm. Advanced Science Letters, 2017, 23, 11138-11143.	0.2	2
71	CONCEPTUAL FRAMEWORK FOR LIGHTWEIGHT CIPHERTEXT POLICY-ATTRIBUTE BASED ENCRYPTION SCHEME FOR INTERNET OF THINGS DEVICES. Malaysian Journal of Computing, 2019, 4, 237.	0.5	2
72	A middleware prototype for storing and quering XML documents in RDB using XParent model mapping schema. , 2010, , .		1

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73	Context Independent Expectation Maximization Algorithm for Segmentation of Brain MR Images. , 2012, , .		1
74	Robust image zero-watermarking based on Complex Zernike moment. , 2014, , .		1
75	Battery efficiency of mobile devices through computational offloading: A review. , 2015, , .		1
76	Modeloâ€”The Tool for Teaching Parallel Computations. Advanced Science Letters, 2015, 21, 2243-2246.	0.2	1
77	WINDOWS PRIVILEGE ESCALATION THROUGH NETWORK BACKDOOR AND INFORMATION MINING USING USB HACKTOOL. Malaysian Journal of Computing, 2018, 3, 12.	0.5	1
78	Secured Telemedicine Using Whole Image as Watermark with Tamper Localization and Recovery Capabilities. Journal of Information Processing Systems, 0, , .	1.0	1
79	Hybrid particle swarm optimization for robust digital image watermarking. African Journal of Business Management, 2011, 6, .	0.4	1
80	ICT's Role in e-Governance in India and Malaysia: A Review. Journal of Next Generation Information Technology, 2012, 3, 7-16.	0.2	1
81	Credit risk classification using Kernel Logistic Regression with optimal parameter. , 2010, , .		0
82	Watermark Embedder and Detector for Medical Images: The Requirements and Design. , 2010, , .		0
83	Reversible watermarking based on sorting prediction scheme. , 2014, , .		0
84	A review of reversible medical image watermarking scheme with tamper localization and recovery capability. , 2014, , .		0
85	Raising fairness issue of vehicle routing problem. , 2016, , .		0
86	Road Region Extraction Based on Motion Information and Seeded Region Growing for Foreground Detection. Communications in Computer and Information Science, 2010, , 128-134.	0.4	0
87	Geometrically Invariant Watermarking Based on Local Generalized Orthogonalized Complex Moments. Communications in Computer and Information Science, 2011, , 600-611.	0.4	0
88	Reduced Support Vector Machine Based on k-Mode Clustering for Classification Large Categorical Dataset. Communications in Computer and Information Science, 2011, , 694-702.	0.4	0
89	A Mean Mutual Information Based Approach for Selecting Clustering Attribute. Communications in Computer and Information Science, 2011, , 1-15.	0.4	0
90	Enhancement of RSA Key Generation Using Identity. Lecture Notes in Electrical Engineering, 2015, , 683-692.	0.3	0

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91	VISUALIZING WEB SERVER LOGS INSIGHTS WITH ELASTIC STACK – A CASE STUDY OF UMMAIL –™S ACCESS LOGS. Malaysian Journal of Computing, 2018, 3, 37.	0.5	0
92	Digital Image Quality Evaluation for Spatial Domain Text Steganography. Communications in Computer and Information Science, 2019, , 122-133.	0.4	0