

# 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  | Design of low-energy buildings in densely populated urban areas based on IoT. Energy Reports, 2022, 8, 4822-4833.   | 2.5 | 15        |
| 2  | Security robot for the prevention of workplace violence using the Non-linear Adaptive Heuristic Mathematical Model. Work, 2021, 68, 853-861.                              | 0.6 | 2         |
| 3  | 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        |
| 4  | Internet of things assisted condition-based support for smart manufacturing industry using learning technique. Computational Intelligence, 2020, 36, 1737-1754.           | 2.1 | 7         |
| 5  | An Improved Robust Watermarking Scheme using Flexible Scaling Factor. , 2020, , .   |     | 6         |
| 6  | Secured Data Collection With Hardware-Based Ciphers for IoT-Based Healthcare. IEEE Internet of Things Journal, 2019, 6, 410-420.  | 5.5 | 135       |
| 7  | Digital Image Quality Evaluation for Spatial Domain Text Steganography. Communications in Computer and Information Science, 2019, , 122-133.                              | 0.4 | 0         |
| 8  | 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         |
| 9  | Bit allocation strategy based on Psychovisual threshold in image compression. Multimedia Tools and Applications, 2018, 77, 13923-13946.                                   | 2.6 | 9         |
| 10 | 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         |
| 11 | Mobile Cloud Computing with SOAP and REST Web Services. Journal of Physics: Conference Series, 2018, 1018, 012005.  | 0.3 | 3         |
| 12 | WINDOWS PRIVILEGE ESCALATION THROUGH NETWORK BACKDOOR AND INFORMATION MINING USING USB HACKTOOL. Malaysian Journal of Computing, 2018, 3, 12.                             | 0.5 | 1         |
| 13 | VISUALIZING WEB SERVER LOGS INSIGHTS WITH ELASTIC STACKâ€” A CASE STUDY OF UMMMAILâ€™S ACCESS LOGS. Malaysian Journal of Computing, 2018, 3, 37.                          | 0.5 | 0         |
| 14 | Numbering with spiral pattern to prove authenticity and integrity in medical images. Pattern Analysis and Applications, 2017, 20, 1129-1144.                              | 3.1 | 7         |
| 15 | 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        |
| 16 | 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        |
| 17 | VAP code: A secure graphical password for smart devices. Computers and Electrical Engineering, 2017, 59, 99-109.  | 3.0 | 15        |
| 18 | From Intrusion Detection to an Intrusion Response System: Fundamentals, Requirements, and Future Directions. Algorithms, 2017, 10, 39.                                    | 1.2 | 112       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | A Big Data Prediction Framework for Weather Forecast Using MapReduce Algorithm. Advanced Science Letters, 2017, 23, 11138-11143.                                | 0.2 | 2         |
| 20 | Parallel Digital Watermarking Process on Ultrasound Medical Images in Multicores Environment. International Journal of Biomedical Imaging, 2016, 2016, 1-14.    | 3.0 | 6         |
| 21 | Knowledge of extraction from trained neural network by using decision tree. , 2016, , .   |     | 14        |
| 22 | Comparison of fuzzy filters on Synthetic Aperture Radar image. , 2016, , .  |     | 5         |
| 23 | Big Data prediction framework for weather Temperature based on MapReduce algorithm. , 2016, , .   |     | 13        |
| 24 | A static approach towards mobile botnet detection. , 2016, , .  |     | 21        |
| 25 | Raising fairness issue of vehicle routing problem. , 2016, , .  |     | 0         |
| 26 | Watermarking of ultrasound medical images in teleradiology using compressed watermark. Journal of Medical Imaging, 2016, 3, 017001.                             | 0.8 | 8         |
| 27 | 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        |
| 28 | 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         |
| 29 | A Soft Set Approach for Clustering Student Assessment Datasets. Journal of Computational and Theoretical Nanoscience, 2015, 12, 5928-5939.                      | 0.4 | 7         |
| 30 | Battery efficiency of mobile devices through computational offloading: A review. , 2015, , .  |     | 1         |
| 31 | A review on parallel medical image processing on GPU. , 2015, , .   |     | 5         |
| 32 | Recognition of Malaysian Sign Language using skeleton data with Neural Network. , 2015, , .   |     | 8         |
| 33 | HILBERT-LSB-C as authentication system for color medical images. , 2015, , .  |     | 2         |
| 34 | Response option for attacks detected by intrusion detection system. , 2015, , .   |     | 12        |
| 35 | Performance of various speckle reduction filters on Synthetic Aperture Radar image. , 2015, , .   |     | 8         |
| 36 | Modeloô€”The Tool for Teaching Parallel Computations. Advanced Science Letters, 2015, 21, 2243-2246.  | 0.2 | 1         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | 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         |
| 38 | Enhancement of RSA Key Generation Using Identity. Lecture Notes in Electrical Engineering, 2015, , 683-692.   | 0.3 | 0         |
| 39 | Data Mining for Education Decision Support: A Review. International Journal of Emerging Technologies in Learning, 2014, 9, 4.                                     | 0.8 | 25        |
| 40 | Robust image zero-watermarking based on Complex Zernike moment. , 2014, , .   |     | 1         |
| 41 | Mobile cloud computing & mobile battery augmentation techniques: A survey. , 2014, , .  |     | 7         |
| 42 | Robust Image Watermarking Theories and Techniques: A Review. Journal of Applied Research and Technology, 2014, 12, 122-138.                                       | 0.6 | 147       |
| 43 | Authentication system for medical images using Hilbert numbering. , 2014, , .   |     | 2         |
| 44 | Reversible watermarking based on sorting prediction scheme. , 2014, , .   |     | 0         |
| 45 | A review of reversible medical image watermarking scheme with tamper localization and recovery capability. , 2014, , .  |     | 0         |
| 46 | MGR: An information theory based hierarchical divisive clustering algorithm for categorical data. Knowledge-Based Systems, 2014, 67, 401-411.                     | 4.0 | 28        |
| 47 | Loop-based RSA key generation algorithm using string identity. , 2013, , .  |     | 8         |
| 48 | Tamper Localization and Lossless Recovery Watermarking Scheme with ROI Segmentation and Multilevel Authentication. Journal of Digital Imaging, 2013, 26, 316-325. | 1.6 | 35        |
| 49 | Localization Watermarking for Authentication of Text Images in Quran with Spiral Manner Numbering. , 2013, , .  |     | 5         |
| 50 | Digital watermarking for recovering attack areas of medical images using spiral numbering. , 2013, , .  |     | 9         |
| 51 | A REVIEW ON THE DEVELOPMENT OF INDONESIAN SIGN LANGUAGE RECOGNITION SYSTEM. Journal of Computer Science, 2013, 9, 1496-1505.                                      | 0.5 | 9         |
| 52 | 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        |
| 53 | Context Independent Expectation Maximization Algorithm for Segmentation of Brain MR Images. , 2012, , .   |     | 1         |
| 54 | A Study on the Validation of Histogram Equalization as a Contrast Enhancement Technique. , 2012, , .  |     | 5         |

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|----|--|-----|-----------|
| 55 | A wavelet-based particle swarm optimization algorithm for digital image watermarking. Integrated Computer-Aided Engineering, 2012, 19, 81-91.                                | 2.5 | 82        |
| 56 | A novel soft set approach in selecting clustering attribute. Knowledge-Based Systems, 2012, 36, 139-145.   | 4.0 | 57        |
| 57 | 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         |
| 58 | 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         |
| 59 | A new efficient normal parameter reduction algorithm of soft sets. Computers and Mathematics With Applications, 2011, 62, 588-598.   | 1.4 | 87        |
| 60 | Fabric authenticity method using fast Fourier transformation detection. , 2011, , .  |     | 11        |
| 61 | An Adjustable Approach to Interval-Valued Intuitionistic Fuzzy Soft Sets Based Decision Making. Lecture Notes in Computer Science, 2011, , 80-89.                            | 1.0 | 17        |
| 62 | The usage of block average intensity in tamper localization for image watermarking. , 2011, , .  |     | 3         |
| 63 | Data Filling Approach of Soft Sets under Incomplete Information. Lecture Notes in Computer Science, 2011, , 302-311.   | 1.0 | 22        |
| 64 | Malaysian Car Plates Recognition Using Freeman Chain Codes and Charactersâ€™ Features. Communications in Computer and Information Science, 2011, , 581-591.                  | 0.4 | 2         |
| 65 | Geometrically Invariant Watermarking Based on Local Generalized Orthogonalized Complex Moments. Communications in Computer and Information Science, 2011, , 600-611.         | 0.4 | 0         |
| 66 | Alternative Model for Extracting Multidimensional Data Based-On Comparative Dimension Reduction. Communications in Computer and Information Science, 2011, , 28-42.          | 0.4 | 3         |
| 67 | 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         |
| 68 | A Mean Mutual Information Based Approach for Selecting Clustering Attribute. Communications in Computer and Information Science, 2011, , 1-15.                               | 0.4 | 0         |
| 69 | Enhancement Algorithms for SQL-Based Chatbot. Communications in Computer and Information Science, 2011, , 470-479.   | 0.4 | 3         |
| 70 | A New Performance Trade-Off Measurement Technique for Evaluating Image Watermarking Schemes. Communications in Computer and Information Science, 2011, , 567-580.            | 0.4 | 3         |
| 71 | Hybrid particle swarm optimization for robust digital image watermarking. African Journal of Business Management, 2011, 6, .   | 0.4 | 1         |
| 72 | Experiment of Tamper Detection and Recovery Watermarking in Picture Archiving and Communication Systems. Journal of Computer Science, 2010, 6, 794-799.                      | 0.5 | 3         |

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|----|--|-----|-----------|
| 73 | Extension and Prerequisite: An Algorithm to Enable Relations Between Responses in Chatbot Technology. Journal of Computer Science, 2010, 6, 1212-1218.   | 0.5 | 18        |
| 74 | One-Match and All-Match Categories for Keywords Matching in Chatbot. American Journal of Applied Sciences, 2010, 7, 1406-1411.   | 0.1 | 13        |
| 75 | A middleware prototype for storing and quering XML documents in RDB using XParent model mapping schema. , 2010, , .  |     | 1         |
| 76 | Credit risk classification using Kernel Logistic Regression with optimal parameter. , 2010, , .  |     | 0         |
| 77 | Watermark Embedder and Detector for Medical Images: The Requirements and Design. , 2010, , .   |     | 0         |
| 78 | Scene segmentation based on seeded region growing for foreground detection. , 2010, , .  |     | 3         |
| 79 | Reversible medical image watermarking for tamper detection and recovery. , 2010, , .   |     | 17        |
| 80 | Experiment of Tamper Detection and Recovery Watermarking in PACS. , 2010, , .  |     | 7         |
| 81 | 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         |
| 82 | 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         |
| 83 | A New Smooth Support Vector Machine and Its Applications in Diabetes Disease Diagnosis. Journal of Computer Science, 2009, 5, 1003-1008.   | 0.5 | 25        |
| 84 | An architectural design of Virtual Dietitian (ViDi) for diabetic patients. , 2009, , .   |     | 8         |
| 85 | Clinical Assessment of Watermarked Medical Images. Journal of Computer Science, 2009, 5, 857-863.  | 0.5 | 4         |
| 86 | Using Aesthetic Measurement Application (AMA) to Measure Aesthetics of Web Page Interfaces. , 2008, , .  |     | 11        |
| 87 | Enhancing Thinning Method for Malaysian Car Plates Recognition. , 2007, , .  |     | 7         |
| 88 | 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        |
| 89 | Medical Image Watermarking with Tamper Detection and Recovery. , 2006, 2006, 3270-3.   |     | 75        |
| 90 | Clinical Evaluation of Watermarked Medical Images. , 2006, 2006, 5459-62.  |     | 21        |

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|----|---|-----|-----------|
| 91 | Reversible Watermarking Surviving JPEG Compression. , 2005, 2005, 3759-62.  |     | 8         |
| 92 | Secured Telemedicine Using Whole Image as Watermark with Tamper Localization and Recovery Capabilities. Journal of Information Processing Systems, 0, , . | 1.0 | 1         |