# Zeyar Aung

List of Publications by Year
in descending order

| | | 643344 | 591227 |
|---|---|---|---|
| 84 | 1,077 | 15 | 27 |
| papers | citations | h-index | g-index |
| 88 | 88 | 88 | 1323 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Reinforcement Learning: A Friendly Introduction. Lecture Notes in Networks and Systems, 2022, , 134-146. | 0.5 | 4 |
| 2 | Analysis and Prediction of User Sentiment on COVID-19 Pandemic Using Tweets. Big Data and Cognitive Computing, 2022, 6, 65. | 2.9 | 18 |
| 3 | Segmentation based traversing-agent approach for road width extraction from satellite images using volunteered geographic information. Applied Computing and Informatics, 2021, 17, 131-152. | 3.7 | 11 |
| 4 | Explainable Artificial Intelligence for Tabular Data: A Survey. IEEE Access, 2021, 9, 135392-135422. | 2.6 | 37 |
| 5 | Lightweight, Single-Clock-Cycle, Multilayer Cipher for Single-Channel IoT Communication: Design and Implementation. IEEE Access, 2021, 9, 66723-66737. | 2.6 | 1 |
| 6 | Knapsack graph-based privacy checking for smart environments. Computers and Security, 2021, 105, 102240. | 4.0 | 4 |
| 7 | COVID-19 Pandemic Outbreak in the Subcontinent: A Data Driven Analysis. Journal of Personalized Medicine, 2021, 11, 889. | 1.1 | 6 |
| 8 | Towards Automatic Extraction and Updating of VGI-Based Road Networks Using Deep Learning. Remote Sensing, 2019, 11, 1012. | 1.8 | 18 |
| 9 | Evaluating Skills Dimensions: Case Study on Occupational Changes in the UAE. , 2019, , . | | 0 |
| 10 | Improved Power Control Approach for Better Data Throughput in CubeSat Nanosatellites. , 2018, , . | | 0 |
| 11 | Correlation Analysis of Popularity and Interoperability in Open Source Projects. , 2018, , . | | 1 |
| 12 | Discovering Similarities in Malware Behaviors by Clustering of API Call Sequences. Lecture Notes in Computer Science, 2018, , 122-133. | 1.0 | 5 |
| 13 | Wind Speed Forecasting Using Statistical and Machine Learning Methods: A Case Study in the UAE. Lecture Notes in Computer Science, 2017, , 107-120. | 1.0 | 2 |
| 14 | Data mining approach to monitoring the requirements of the job market: A case study. Information Systems, 2017, 65, 1-6. | 2.4 | 53 |
| 15 | Malware detection in android mobile platform using machine learning algorithms. , 2017, , . | | 18 |
| 16 | Investigate human behavior during ramadan through network structure: Evidence from Twitter. , 2017, , . | | 0 |
| 17 | Segmentation based building detection in high resolution satellite images. , 2017, , . | | 7 |
| 18 | Single-clock-cycle, multilayer encryption algorithm for single-channel IoT communications. , 2017, , . | | 5 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Continuous integration build breakage rationale: Travis data case study. , 2017, , . | | 3 |
| 20 | Systems security requirements analysis for M-Government transformation. , 2017, , . | | 1 |
| 21 | Assessing the Privacy Cost in Centralized Event-Based Demand Response for Microgrids. , 2017, , . | | 8 |
| 22 | Ensemble Prediction Model with Expert Selection for Electricity Price Forecasting. Energies, 2017, 10, 77. | 1.6 | 25 |
| 23 | Cybersecurity for Smart Cities: A Brief Review. Lecture Notes in Computer Science, 2017, , 22-30. | 1.0 | 11 |
| 24 | Security in Mobile Computing: Attack Vectors, Solutions, and Challenges. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 177-191. | 0.2 | 1 |
| 25 | Ensemble Learning Approach for Probabilistic Forecasting of Solar Power Generation. Energies, 2016, 9, 1017. | 1.6 | 55 |
| 26 | Automatic patent classification by a three-phase model with document frequency matrix and boosted tree. , 2016, , . | | 5 |
| 27 | SPSAâ€NC: simultaneous perturbation stochastic approximation localization based on neighbor confidence. Wireless Communications and Mobile Computing, 2016, 16, 1570-1587. | 0.8 | 2 |
| 28 | Real-time anomaly-based distributed intrusion detection systems for advanced Metering Infrastructure utilizing stream data mining. , 2015, , . | | 24 |
| 29 | Multiple Structural Clustering of Bromodomains of the Bromo and Extra Terminal (BET) Proteins Highlights Subtle Differences in Their Structural Dynamics and Acetylated Leucine Binding Pocket. Procedia Computer Science, 2015, 51, 735-744. | 1.2 | 6 |
| 30 | Bacterial Foraging-based Power Allocation for Cooperative Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2015, , 67-76. | 0.3 | 0 |
| 31 | Image classification using appearance based features. , 2015, , . | | 2 |
| 32 | Power allocation in cooperative sensor networks: a stochastic approximation approach. Journal of Engineering, 2015, 2015, 48-53. | 0.6 | 0 |
| 33 | Efficient and fault-diagnosable authentication architecture for AMI in smart grid. Security and Communication Networks, 2015, 8, 598-616. | 1.0 | 13 |
| 34 | Data-Stream-Based Intrusion Detection System for Advanced Metering Infrastructure in Smart Grid: A Feasibility Study. IEEE Systems Journal, 2015, 9, 31-44. | 2.9 | 136 |
| 35 | Probabilistic Forecasting of Solar Power: An Ensemble Learning Approach. Smart Innovation, Systems and Technologies, 2015, , 449-458. | 0.5 | 34 |
| 36 | Soil Property Prediction: An Extreme Learning Machine Approach. Lecture Notes in Computer Science, 2015, , 18-27. | 1.0 | 5 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 37 | Changes in Occupational Skills - A Case Study Using Non-negative Matrix Factorization. Lecture Notes in Computer Science, 2015, , 627-634. | 1.0 | 6 |
| 38 | Argument Visualization and Narrative Approaches for Collaborative Spatial Decision Making and Knowledge Construction: A Case Study for an Offshore Wind Farm Project. Lecture Notes in Computer Science, 2015, , 135-154. | 1.0 | 2 |
| 39 | Constrained Cross Entropy Localization Technique for Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 267369. | 1.3 | 2 |
| 40 | Exploring Social Contagion in Open-Source Communities by Mining Software Repositories. Lecture Notes in Computer Science, 2015, , 120-127. | 1.0 | 1 |
| 41 | Tackling Class Imbalance Problem in Binary Classification using Augmented Neighborhood Cleaning Algorithm. Lecture Notes in Electrical Engineering, 2015, , 827-834. | 0.3 | 2 |
| 42 | P2DR: Privacy-Preserving Demand Response system in smart grids. , 2014, , . | | 2 |
| 43 | P3: Privacy Preservation Protocol for Automatic Appliance Control Application in Smart Grid. IEEE Internet of Things Journal, 2014, 1, 414-429. | 5.5 | 28 |
| 44 | Investigating factors behind choosing a cryptocurrency. , 2014, , . | | 23 |
| 45 | Fine-grained encryption for search and rescue operation on Internet of Things. , 2014, , . | | 2 |
| 46 | Machine Learning Techniques for Supporting Renewable Energy Generation and Integration: A Survey. Lecture Notes in Computer Science, 2014, , 81-96. | 1.0 | 48 |
| 47 | Handling class imbalance in customer behavior prediction. , 2014, , . | | 8 |
| 48 | No peeking: privacy-preserving demand response system in smart grids. International Journal of Parallel, Emergent and Distributed Systems, 2014, 29, 290-315. | 0.7 | 10 |
| 49 | Constructive Knowledge Management Model and Information Retrieval Methods for Software Engineering. , 2014, , 253-269. | | 0 |
| 50 | Document Versioning Using Feature Space Distances. Lecture Notes in Computer Science, 2014, , 487-494. | 1.0 | 0 |
| 51 | Augmented Query Strategies for Active Learning in Stream Data Mining. Lecture Notes in Computer Science, 2014, , 431-438. | 1.0 | 0 |
| 52 | Simultaneous Perturbation Stochastic Approximation-Based Localization Algorithms for Mobile Devices. , 2013, , . | | 1 |
| 53 | An ensemble model for day-ahead electricity demand time series forecasting. , 2013, , . | | 38 |
| 54 | A Novel Ensemble Learning-Based Approach for Click Fraud Detection in Mobile Advertising. Lecture Notes in Computer Science, 2013, , 370-382. | 1.0 | 22 |

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|---|---------|-----|-----------|
| 55 | Outlier Preprocessing in Wireless Sensor Networks: A Two-Layered Ellipse Approach. , 2013, , . | | 0 |
| 56 | Discussion on the manuscript: â€˜shortâ€‘term forecasting of the daily load curve for residential electricity usage in the smart gridâ€™ by S. Ghosh et al.. Applied Stochastic Models in Business and Industry, 2013, 29, 624-625. | 0.9 | 1 |
| 57 | Smart Grid Wireless Network Security Requirements Analysis. , 2013, , . | | 5 |
| 58 | Database Systems for the Smart Grid. Green Energy and Technology, 2013, , 151-168. | 0.4 | 16 |
| 59 | Localization in Wireless Sensor Networks by Cross Entropy Method. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 103-118. | 0.2 | 3 |
| 60 | Privacy Preservation Scheme for Multicast Communications in Smart Buildings of the Smart Grid. Smart Grid and Renewable Energy, 2013, 04, 313-324. | 0.7 | 8 |
| 61 | Constructive Knowledge Management Model and Information Retrieval Methods for Software Engineering. , 2013, , 377-393. | | 1 |
| 62 | Localization in wireless sensor networks by constrained simultaneous perturbation stochastic approximation technique. , 2012, , . | | 5 |
| 63 | Intelligent edge detector based on multiple edge maps. , 2012, , . | | 1 |
| 64 | Artificial Neural Network-based electricity price forecasting for smart grid deployment. , 2012, , . | | 22 |
| 65 | P3: Privacy preservation protocol for appliance control application. , 2012, , . | | 11 |
| 66 | Efficient authentication scheme for data aggregation in smart grid with fault tolerance and fault diagnosis. , 2012, , . | | 39 |
| 67 | Securing Advanced Metering Infrastructure Using Intrusion Detection System with Data Stream Mining. Lecture Notes in Computer Science, 2012, , 96-111. | 1.0 | 52 |
| 68 | A New Image Edge Detection Method using Quality-based Clustering. , 2012, , . | | 8 |
| 69 | Large in-memory cyber-physical security-related analytics via scalable coherent shared memory architectures. , 2011, , . | | 1 |
| 70 | SLiM on Diet: finding short linear motifs on domain interaction interfaces in Protein Data Bank. Bioinformatics, 2010, 26, 1036-1042. | 1.8 | 15 |
| 71 | Traj Align: A Method for Precise Matching of 3-D Trajectories. , 2010, , . | | 4 |
| 72 | Discovering Correlated Subspace Clusters in 3D Continuous-Valued Data. , 2010, , . | | 23 |

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|---|---------|-----|-----------|
| 73 | An Indexing Scheme for Fast and Accurate Chemical Fingerprint Database Searching. Lecture Notes in Computer Science, 2010, , 288-305. | 1.0 | 5 |
| 74 | BSAlign: A RAPID GRAPH-BASED ALGORITHM FOR DETECTING LIGAND-BINDING SITES IN PROTEIN STRUCTURES. , 2008, , . | | 9 |
| 75 | PPiClust: EFFICIENT CLUSTERING OF 3D PROTEINâ€"PROTEIN INTERACTION INTERFACES. Journal of Bioinformatics and Computational Biology, 2008, 06, 415-433. | 0.3 | 8 |
| 76 | BSAlign: a rapid graph-based algorithm for detecting ligand-binding sites in protein structures. Genome Informatics, 2008, 21, 65-76. | 0.4 | 6 |
| 77 | Rapid retrieval of protein structures from databases. Drug Discovery Today, 2007, 12, 732-739. | 3.2 | 17 |
| 78 | MINING SUPER-SECONDARY STRUCTURE MOTIFS FROM 3D PROTEIN STRUCTURES: A SEQUENCE ORDER INDEPENDENT APPROACH. , 2007, , . | | 1 |
| 79 | Mining super-secondary structure motifs from 3d protein structures: a sequence order independent approach. Genome Informatics, 2007, 19, 15-26. | 0.4 | 2 |
| 80 | MatAlign: PRECISE PROTEIN STRUCTURE COMPARISON BY MATRIX ALIGNMENT. Journal of Bioinformatics and Computational Biology, 2006, 04, 1197-1216. | 0.3 | 23 |
| 81 | Automatic 3D Protein Structure Classification without Structural Alignment. Journal of Computational Biology, 2005, 12, 1221-1241. | 0.8 | 8 |
| 82 | Rapid 3D protein structure database searching using information retrieval techniques. Bioinformatics, 2004, 20, 1045-1052. | 1.8 | 46 |
| 83 | An efficient index-based protein structure database searching method. , 2003, , . | | 9 |
| 84 | Automatic protein structure classification through structural fingerprinting. , 0, , . | | 5 |