

Computer Science Department Scientific Publication 2023

#	Title	Author(s)	Journal/Conference	DOI
1	Similarity-based hybrid malware detection model using API calls	Asma A. Alhashmi, Abdulbasit A. Darem, Abdullah M. Alashjaee, Sultan M. Alanazi, Tareq M. Alkhalidi, Shouki A. Ebad, Fuad A. Ghaleb, and Aloyoun M. Almadani	Mathematics, 2023, 11, 2944	https://doi.org/10.3390/math11132944
2	Investigating the input validation vulnerabilities in C programs	Shouki A. Ebad	International Journal of Advanced Computer Science and Applications(IJACSA), 14(1)	https://dx.doi.org/10.14569/IJACSA.2023.0140117
3	Hybrid malware variant detection model with extreme gradient boosting and artificial neural network classifiers	Asma A. Alhashmi, Abdulbasit A. Darem, Sultan M. Alanazi, Abdullah M. Alashjaee, Bader Aldughayfiq, Fuad A. Ghaleb, Shouki A. Ebad, and Majed A. Alanazi	Computers, Materials, & Continue, 2023, 76(3), pp. 3483-3498	https://doi.org/10.32604/cmc.2023.041038
4	Exploring how to apply secure software design principles	Shouki A. Ebad	IEEE Access, vol. 10, pp. 128983-128993, 2022	https://doi.org/10.1109/ACCESS.2022.3227434
5	Cyber threats classifications and countermeasures in banking and financial sector	Abdulbasit A. Darem, Asma A. Alhashmi, Tareq M. Alkhalidi, Abdullah M. Alashjaee, Sultan M. Alanazi, and Shouki A. Ebad	IEEE Access, vol. 11, pp. 125138 - 125158, 2023	https://doi.org/10.1109/ACCESS.2023.3327016
6	Quantifying IoT security parameters: an assessment framework	Shouki A. Ebad	IEEE Access, vol. 11, pp. 101087-101097, 2023	https://doi.org/10.1109/ACCESS.2023.3313975
7	A novel cooperative collision avoidance system for vehicular communication based on deep learning	Farhat, W., Olfa Ben Rhaïem, Faïedh, H. et al.	International Journal of Information Technology	https://doi.org/10.1007/s41870-023-01574-3
8	A Decentralized Approach to Smart Home Security: Blockchain with Red-Tailed HawkEnabled Deep Learning	Fahad F. Alruwaili, Manal Abdullah Alohal, Nouf Aljaffan, Asma A. Alhashmi, Ahmed Mahmud and Mohammed Assiri	IEEE Access	https://doi.org/10.1109/ACCESS.2024.3352502
9	Ensemble-Based Fraud Detection Model for Cyber Threats Classification and Countermeasures for Financial Transactions	Asma A. Alhashmi, Abdullah M. Alashjaee, Abdulbasit A. Darem, Abdullah F. Alanazi, Rachid Effghi.	Engineering, Technology & Applied Science Research	https://doi.org/10.48084/etasr.6401
10	Development of a map for land use and land cover classification of the Northern Border Region using remote sensing and GIS	AA Darem, AA Alhashmi, AM Almadani, AK Alanazi, GA Sutantra	The Egyptian Journal of Remote Sensing and Space Science	https://doi.org/10.1016/j.ejrs.2023.04.005
11	A Comparative Analysis of Machine Learning Techniques for Cyberbullying Detection on FormSpring in Textual Modality	Sahana V., Anil Kumar K. M., Abdulbasit A. Darem	International Journal of Computer Network and Information Security (IJCNIS)	https://doi.org/10.5815/ijcnis.2023.04.04
12	Enhancing Emotion Detection with Adversarial Transfer Learning in Text Classification	Ashritha R Murthy, Anil Kumar K M, Abdulbasit A. Darem	Modern Education and Computer Science	https://dx.doi.org/10.5815/ijmecs.2023.05.03
13	Estimating the mortality rate using statistical variance and reduced set of clinical and non-clinical attributes for diagnosing chronic kidney disease.	K. Meena, A. Vadivel, P. Sumathy, Abu Taha Zamani, Sultan M. Alanazi, Naushad Varish.	Soft Computing	https://doi.org/10.1007/s00500-023-09280-9
14	BDDTPA: Blockchain-Driven Deep Traffic Pattern Analysis for Enhanced Security in Cognitive Radio Ad-hoc Networks.	Debabrata Dansana, Prafulla Kumar Behera, Abdulbasit A Darem, Zubair Ashraf, Abu Taha Zamani, Nadeem Ahmed, S Gopal Krishna Patro, Mohammad Shameem	IEEE Access	http://dx.doi.org/10.1109/ACCESS.2023.3312291

15	Content-Based remote sensing image retrieval method using adaptive tetrolet transform based GLCM features.	Naushad Varish, Mohammad Kamrul Hasan, Asif Khan, Abu Taha Zamani , Vadivel Ayyasamy, Shayla Islam, and Rizwan Alam	Journal of Intelligent & Fuzzy Systems	http://dx.doi.org/10.3233/IJFS-224083
16	Genetic algorithm based probabilistic model for agile project success in global software development.	Mohammad Shameem, Mohammad Nadeem, Abu Taha Zamani	Applied Soft Computing	https://doi.org/10.1016/j.asoc.2023.109998
17	A Diabetes Monitoring System and Health-Medical Service Composition Model in Cloud Environment.	Santosh Kumar Sharma, Abu Taha Zamani , Ahmed Abdelsalam, Debendra Muduli, Amerah A Alabrah, Nikhat Parveen, Sultan M Alanazi	IEEE Access	https://doi.org/10.1109/ACCESS.2023.3258549
18	QoS-Aware Cloud Service Recommendation Using Metaheuristic Approach.	Soumya Snigdha Mohapatra, Rakesh Ranjan Kumar, Mamdouh Alenezi, Abu Taha Zamani and Nikhat Parveen	Electronics	https://doi.org/10.3390/electronics11213469
19	Factor Prioritization for Effectively Implementing DevOps in Software Development Organizations: A SWOT-AHP Approach.	Noor Mohammed Noorani, Abu Taha Zamani , Mamdouh Alenezi, Mohammad Shameem, and Priyanka Singh	Axioms	https://doi.org/10.3390/axioms11100498
20	Exploring sex disparities in cardiovascular disease risk factors using principal component analysis and latent class analysis techniques	Gamal Saad, Sultan Munadi Alanazi	BMC Medical Informatics and Decision Making	https://doi.org/10.1186/s12911-023-02179-3
21	Comparative Analysis of Machine Learning Algorithms for Investigating Myocardial Infarction Complications	Ali Saty, Mohyaldein M. Y. Salih, Abaker A. Hassaballa, Elzain A. E. Guma, Ahmed Abdallah, Gamal Saad Mohamed Khamis	Engineering, Technology & Applied Science Research	https://doi.org/10.48084/etasr.6691
22	Optimizing Machine Learning Classifiers for Enhanced Cardiovascular Disease Prediction	Sultan Munadi Alanazi, Gamal Saad Mohamed Khamis	Engineering, Technology & Applied Science Research	https://doi.org/10.48084/etasr.6684
23	IoT objects identification model using Deep_Neural Network(DNN)	Sana A. Bkheet , Johnson I. Agbinya	Australian Journal for Basic and Applied Science	http://dx.doi.org/10.22587/ajbas.2023.17.4.1
24	Scene Recognition for Visually-Impaired People's Navigation Assistance Based on Vision Transformer with Dual Multiscale Attention	Y. Said, M. Atri, M.A. Albahar, A. Ben Atitallah, Y.A. Alsariera	Mathematics	https://doi.org/10.3390/math11051127
25	Indoor Signs Detection for Visually Impaired People: Navigation Assistance Based on a Lightweight Anchor-Free Object Detector	Yahia Said, Mohamed Atri, Marwan Ali Albahar, Ahmed Ben Atitallah, Yazan Ahmad Alsariera	International Journal of Environmental Research and Public Health	https://doi.org/10.3390/ijerph20065011
26	Obstacle Detection System for Navigation Assistance of Visually Impaired People Based on Deep Learning Techniques	Yahia Said, Mohamed Atri, Marwan Ali Albahar, Ahmed Ben Atitallah, Yazan Ahmad Alsariera	Sensors	https://doi.org/10.3390/s23115262
27	Machine Learning-based Secure 5G Network Slicing: A Systematic Literature Review	Meshari Huwaytim Alanazi	International Journal of Advanced Computer Science and Applications,	https://dx.doi.org/10.14569/IJACSA.2023.0141239