

JOURNAL 2021	
Title	Author
TTT20201631 Two streams deep neural network for handwriting word recognition Multimedia Tools and Application Journal	Alaa Sulaiman, Khairuddin Omar, and Mohammad Faizdul Nasrudin
TTT2019258 Trace transform feature learning for offline Jawi handwritten recognition International Journal on Advanced Science, Engineering and Information Technology	Anton Heryanto Hasan, Khairuddin Omar, Muhammad Faizdul Nasrudin
TTT20201867 Dynamic resource allocation model for distribution operations using SDN IEEE Internet of Things Journal	Shidrokh Goudarzi, Mohammad Hossein Anisi, Hamed Ahmadi, Leila Musavian
TTT20202084 A novel hybrid grey wolf optimizer with min-conflict algorithm for power scheduling problem in a smart home Swarm and Evolutionary Computation	Sharif Naser Makhadmeh, Ahamad Tajudin Khader, Mohammed Azmi Al-Betar, Syibrah Naim, Ammar Kamal Abasi, Zaid Abdi Alkareem Alyasseri
TTT202111 Implementation strategies for ERP adaptation in Malaysian SME agricultural sector Journal of Theoretical and Applied Information Technology	Syaimak Abdul Shukor, Aida Sheikhi
TTT202137 Enhancing web search result clustering model based on multiview multirepresentation consensus cluster ensemble (mmcc) approach PLoS One	Ali Sabah, Sabrina Tiun, Nor Samsiah Sani, Masri Ayob, Adil Yaseen Taha
TTT20201336 Epithelial layer estimation using curvatures and textural features for dysplastic tissue detection Computers, Materials and Continua	Afzan Adam, Abdul Hadi Abd Rahman, Nor Samsiah Sani, Zaid Abdi Alkareem Alyessari, Nur Jumaadzan Zaleha Mamat, Basela Hasan
TTT2021122 Smart home battery for multi-objective power scheduling problem in a smart home using grey wolf optimizer Electronics	Sharif Naser Makhadmeh, Mohammed Azmi AlBetar, Zaid Abdi Alkareem Alyasseri, Ammar Kamal Abasi, Ahamad Tajudin Khader, Robertas Damasevicius, Mazin Abed Mohammed, Karrar Hameed Abdulkareem
TTT2021116 Detection of ICMPv6 DDoS attacks using anomaly based intrusion detection system a comprehensive review International Journal of Electrical and Computer Engineering (IJECE)	Adnan Hasan Bdair Alghuraibawi, Rosni Abdullah, Selvakumar Manickam, Zaid Abdi Alkareem Alyasseri
TTT2020494 The effect of paper-based manual and stereoscopic-based mobile augmented reality systems on knowledge retention Virtual Reality	Lam Meng Chun, Mohamed Jafar Sadik & Nur Fazidah Elias

TTT2021174 DNA encoding and STR extraction for anomaly intrusion detection systems IEEE ACCESS	Omar Fitian Rashid, Zulaiha Ali Othman, Suhaila Zainudin, Noor Azah Samsudin
TTT2021171 Creative game design training requirements International Journal on Advanced Science, Engineering and Information Technology	Raudyah Md Tap, Nor Azan Mat Zin, Hafiz Mohd Sarim
TTT2021219 Predicting COVID-19 based on environmental factors with machine learning Intelligent Automation and Soft Computing	Amjed Basil Abdulkareem, Nor Samsiah Sani, Shahnorbanun Sahran, Zaid Abdi Alkareem Alyessari, Afzan Adam, Abdul Hadi Abd Rahman, Abdulkareem Basil Abdulkareem
TTT2021319 CYBERGUARD: a mobile cyberbullying detector Turkish Journal of Computer and Mathematics Education	Siok Yee Tan, Kevin Tze Heng Choo
TTT2021329 Fixed partitioning using an heuristic approach for loop closure detection Journal of Theoretical and Applied Information Technology	Azizi Abdullah, Izwan Azmi, Mohammad Faizul Nasrudin, Mohammed Salameh
TTT2021266 Automatic data clustering based mean best artificial bee colony algorithm CMC-Computers, Materials & Continua	Ayat Alrosan, Waleed Alomoush, Mohammed Alswaitti, Khalid Alissa, Shahnorbanun Sahran, Sharif Naser Makhadmeh and Kamal Alieyan
TTT2021334 The utility of artificial intelligence in diagnostic pathology Malaysia Journal of Pathology	Shahnorbanun Sahran
TTT20202018 Intelligent classification of blood cells with machine vision Malaysian Journal of Pathology	Afzan Adam, Raja Zahratul Azma Raja Sabudin, Siti Norul Huda Sheikh Abdullah, Fazrul Hisham Musa, Liew Soo Jin, Thong Wing Yin, Goh Jee Yuan, Nur Amirah Athirah Shariffuddin, Chung Yen Wann
TTT20202019 The user interface evaluation of integrated cancer diagnosing system Malaysian Journal of Pathology	Afzan Adam, Shahnorbanun Sahran, Siti Nurul Huda Sheikh Abdullah, Goh Jee Yuan, Suria Hayati Md Pauzi, Nordashima Abd Shukor
TTT2021360 An evolutionary variable neighbourhood search for the unrelated parallel machine scheduling problem IEEE Access	Salwani Abdullah, Ayad Turkey, Mohd Zakree Ahmad Nazri, and Nasser R. Sabar
TTT2021364 An intelligent hybrid classification algorithm integrating fuzzy rule-based extraction and harmony search optimization: Medical diagnosis applications Knowledge-Based Systems	Seyed Mohsen Mousavi, Salwani Abdullah, Seyed Taghi Akhavan Niaki, Saeed Banihashemi
TTT2021372 Combined relay selection enabled by supervised machine learning IEEE Transactions on Vehicular Technology	Shuping Dang, Jiashen Tang, Jun Li, Miaowen Wen, Salwani Abdullah, and Chengzhong Li
TTT2021406 A homogeneous ensemble based dynamic artificial neural network for	Muataz Salam Al-Daweri, Salwani Abdullah, Khairul Akram Zainol Ariffin

solving the intrusion detection problem International Journal of Critical Infrastructure Protection	
TTT2021284 Gene selection for microarray data classification based on Grey Wolf Optimizer enhanced with TRIZ-inspired operators Knowledge-Based Systems	Osama Ahmad Alomari, Sharif Naser Makhadmeh, Mohammed Azmi Al-Betar, Zaid Abdi Alkareem Alyasseri, Iyad Abu Doush, Ammar Kamal Abasi, Mohammed A.Awadallah, Raed Abu Zitar
TTT2021431 Model peramalan bilangan calon tarik diri dari peperiksaan awam Malaysia menerusi pendekatan perlombongan data dan petua Journal of ICT in Education (JICTIE)	Zaiyinul Hayat Zainal Rafit, Suhaila Zainudin, Zulaiha Ali Othman
TTT2021463 The deep learning solutions on lossless compression meth-ods for alleviating data load on IoT nodes in smart cities sensors	Ammar Nasif, Zulaiha Ali Othman and Nor Samsiah Sani
TTT2021423 Keratoconus severity detection from elevation, topography and pachymetry raw data using a machine learning approach IEEE ACCESS	Alexandru Lavric; Liliana Anchidin; Valentin Popa; Ali H. AlTimemy; Zaid Abdi Alkareem Alyasseri; Hidenori Takahashi; Siamak Yousefi
TTT2021472 Multilabel over-sampling and under-sampling with class alignment for imbalanced multilabel text classification Journal of Information and Communication Technology	Adil Yaseen Taha, Sabrina Tiun, Abdul Hadi Abd Rahman, Ali Sabah
TTT2021485 Detecting keratoconus severity from corneal data of different populations with machine learning Investigative Ophthalmology & Visual Science	Hidenori Takahashi, Ali H. Al-Timemy, Zahraa M. Mosa, Zaid Alyasseri, Alexandru Lavric, Jose Arthur Pinto Milhomens Filho, Kentaro Yuda, Rossen M Hazarbassanov, Siamak Yousefi
TTT2021489 Evaluation of keratoconus detection from elevation, topography and pachymetry raw data using machine learning Investigative Ophthalmology & Visual Science	Rossen M Hazarbassanov, Alexandru Lavric, Jose Arthur Pinto Milhomens Filho, Liliana Anchidin, Valentin Popa, Ali H. Al-Timemy, Zaid Alyasseri, Hidenori Takahashi, Siamak Yousefi
TTT2021467 Fuzzy C-means clustering for rainfall signature detection and towards understanding weather patterns International Journal of Global Warming	Lam Meng Chun, Nur Afyfh Suwadi, Adibah Huda Mohd Zainul Arifien, Poh Bee Koon, Nik Shanita Safii, Wong Jyh Ein
TTT2021322 Creativity training model for game design International Journal of Advanced Computer Science and Applications (IJACSA)	Raudyah Md Tap, Nor Azan Mat Zin, Hafiz Mohd Sarim, Norizan Mat Diah
TTT2021638 A similarity score model for aspect category detection International Journal of Advanced Computer Science and Applications (IJACSA)	Zohreh Madhoushi, Abdul Razak Hamdan, Suhaila Zainudin
TTT20191156 Digital Addiction: Online game addiction impact to adolescent physical health Electronics	Norshakirah Aziz, Md Jan Nordin, Said Jadid Abdulkadir, Muhammad Muhaimin M. Salih

TTT2021677 A clustering approach to identify multidimensional poverty indicators for the bottom 40 percent group PLOS ONE	Mariah Abdul Rahman, Nor Samsiah Sani, Rusnita Hamdan, Zulaiha Ali Othman, Azuraliza Abu Bakar
TTT2021737 Augmented reality based adaptive and collaborative learning methods for improved primary education towards fourth industrial revolution International Journal of Advanced Computer Science and Applications	A F M Saifuddin Saif, Zainal Rasyid Mahayuddin, Azrulhizam Shapii
TTT2021744 Optimization of sentiment analysis using teaching-learning based algorithm Computers, Materials & Continua	Abdullah Muhammad, Salwani Abdullah, Nor Samsiah Sani
TNN2020592 An evaluation of a virtual atlas of portion sizes (VAPS) mobile augmented reality for portion size estimation Virtual Reality	Lam Meng Chun, Nur Afyfa Suwadi, Adibah Huda Mohd Zainul Arifien, Poh Bee Koon, Nik Shanita Safii, Wong Jyh Ein
TTT2021748 A novel auction-based optimization algorithm and its application in rough set feature selection IEEE Access	Najmeh Sadat Jaddi, Salwani Abdullah
TTT2021809 Digital Economy Tax Compliance Model in Malaysia using Machine Learning Approach SAINS MALAYSIANA	Raja Azhan Syah Raja Wahab & Azuraliza Abu Bakar
TTT2021866 Artificial intelligence maturity model: a systematic literature review PeerJ Computer Science	Raghad Baker Sadiq, Nurhizam Safie, Abdul Hadi Abd Rahman, Shidrokh Goudarzi
TTT20211033 An adaptive method and a new dataset, UKM-IDS20, for the network intrusion detection system Computer Communications	Muataz Salam Al-Daweri, Salwani Abdullah, Khairul Akram Zainol Ariffin
TTT2021751 Hybrid bird mating optimizer with single-based algorithms for combinatorial optimization problems IEEE Access	Anas Arram, Masri Ayob, Alaa Sulaiman
TTT2021883 EEG feature fusion for motor imagery: a new robust framework towards stroke patients rehabilitation Computers in Biology and Medicine	Noor Kamal Al-Qazzaz, Zaid Abdi Alkareem Alyasseri, Karrar Hameed Abdulkareem, Nabeel Salih Ali, Mohammed Nasser Al-Mhiqani, Christoph Guger
TTT2021944 An efficient method for hand gesture recognition using robust features vector Journal Information System and Technology Management (JISTM)	A F M Saifuddin Saif, Zainal Rasyid Mahayuddin
TTT2021955 Integrating contextual sentiment analysis in collaborative recommender systems PLOS ONE	Nurul Aida Osman, Shahrul Azman Mohd Noah, Mohammad Darwich, Masnizah Mohd
TTT2021968 A recurrence population-based great deluge algorithm with	Najmeh Sadat Jaddi, Salwani Abdullah, Mohd Zakree Ahmad Nazri

independent quality estimation for feature selection from academician data APPLIED ARTIFICIAL INTELLIGENCE	
TTT2021969 Word embeddings-based pseudo relevance feedback using deep averaging networks for Arabic document retrieval Journal of Information Science Theory and Practice	Yasir Hadi Farhan, Shahrul Azman Mohd Noah, Masnizah Mohd, Jaffar Atwan
TTT2021974 Issues and challenges in the extraction and mapping of linked open data resources with recommender systems datasets Journal of Information Science Theory and Practice	Rosmamalmi Mat Nawi, Shahrul Azman Mohd Noah, Lailatulqadri Zakaria
TTT2021352 An improved colour binary descriptor algorithm for mobile augmented reality Virtual Reality	Siok Yee Tan, Haslina Arshad, Azizi Abdullah
TTT20211114 Soft marking scheme of SVM hierarchical classifiers for attack classification Journal of Computer Science	Azizi Abdullah and Warhamni Jani@Mokhtar
TTT20211263 Salp swarm optimizer for modeling software reliability prediction problems Neural Processing Letters	Sofian Kassaymeh, Salwani Abdullah, Mohamad Al-Laham, Mohammed Alweshah, Mohammed Azmi Al-Betar, Zalinda Othman
TTT20211592 Integration of linked open data in collaborative group recommender systems IEEE Access	Rosmamalmi Mat Nawi, Shahrul Azman Mohd Noah, Lailatul Qadri Zakaria
TTT20211601 An IoT-based prediction technique for efficient energy consumption in buildings IEEE TRANSACTIONS ON GREEN COMMUNICATIONS AND NETWORKING	Shidrokh Goudarzi, Mohammad Hossein Anisi, Seyed Ahmad Soleymani, Masri Ayob, Sherali Zeadally
TTT20211653 D2D-V2X-SDN: Taxonomy and Architecture Towards 5G Mobile Communication System IEEE Access	Ying He, Habib Ullah Khan, Kai Zhang, Wei Wang, Bong Jun Cho, Ayman A. Aly, Bassem F. Felemban, Nor Samsiah Sani, Qazwan A. Tarbosh, And Ömer Aydogdu
TTT20211688 Machine learning for predicting employee attrition International Journal of Advanced Computer Science and Applications	Norsuhada Mansor, Nor Samsiah Sani, Mohd Aliff
TTT2021584 Mel-frequency cepstral coefficient features based on standard deviation and principal component analysis for language identification systems Cognitive Computation	Musatafa Abbas Abbood Albadr, Sabrina Tiun, Masri Ayob, Manal Mohammed, Fahad Taha AL-Dhief
TTT2021875 Expert review on mobile augmented reality applications for language learning International Journal of Advanced Computer Science and Applications (IJACSA)	Nur Asyiah Suwadi, Nazatul Aini Abd Majid, Lam Meng Chun, Nor Hashimah Jalaluddin, Aznur Aisyah Abdullah, Junaini Kasdan, Afifuddin Husairi Hussain, Azlan Ahmad, Daing Zairi Ma'arof

TTT20211823 ADVERSE DRUG REACTION DETECTION USING LATENT SEMANTIC ANALYSIS Journal of Computer Science	Ahmed Adil Nafea, Nazlia Omar and Mohammed M. AL-Ani
TTT20211886 Hashtag Segmentation: A Comparative Study Involving the Viterbi, Triangular Matrix and Word Breaker Algorithms Journal of Advances in Information Technology	Samia F. Abd-hood and Nazlia Omar
TTT20211801 Green Mobile Application to Reduce Food Waste Thrifteal Journal of Engineering and Science Research	Syaimak Abdul Shukor, Farah Hanan Zulfakri
TTT20211883 A Hybrid Method of Long Short-Term Memory and AutoEncoder Architectures for Sarcasm Detection Journal of Computer Science	Mohammed M. AL-Ani, Nazlia Omar and Ahmed Adil Nafea
TTT20211963 Interrelated decision-making model for diabetes Asia-Pacific Journal of Information Technology and Multimedia	Normadiah Mahiddin, Zulaiha Ali Othman, Nur Arzuar Abdul Rahim
TTT20211973 Automatic essay scoring: a review on the feature analysis techniques International Journal of Advanced Computer Science and Applications	Ridha Hussein Chassab, Lailatul Qadri Zakaria, Sabrina Tiun
TTT20211083 Sardine feast metaheuristic optimization: an algorithm based on sardine feeding frenzy Journal of Theoretical and Applied Information Technology	Mohammad Faidzul Nasrudin, Fitranto Kusumo, Dwi Yanuar Panji Tresna, Mohd Saiful Syahmi Saifuddin, Lizawati Mi Yusuf
TTT20212258 A hybrid deep learning construct for detecting keratoconus from corneal maps Translational Vision Science & Technology (TVST)	Ali H. Al-Timemy, ZahraaM. Mosa, Zaid Alyasseri, Alexandru Lavric, Marcelo M. Lui, Rossen M. Hazarbassanov, and Siamak Yousefi
TTT20212271 Teaching competency of teachers for curbing drug and substance abuse (DSA) in Malaysian Secondary Schools Journal of Drug and Alcohol Research	Ciptro Handrianto, Ahmad Jazimin Jusoh, Pauline Swee Choo Goh, Nazre Abdul Rashid, Azizi Abdullah and M. Arinal Rahman
TTT20212376 Vision based 3D gesture tracking using augmented reality and virtual reality for improved learning applications International Journal of Advanced Computer Science and Applications (IJACSA)	Zainal Rasyid Mahayuddin, A F M Saifuddin Saif
TTT20226 Crowd density estimation from autonomous drones using deep learning: challenges and applications Journal of Engineering and Science Research	A F M Saifuddin Saif, Zainal Rasyid Mahayuddin
T1520223 On the Design of Efficient Hierarchic Architecture for Software Defined Vehicular networks Sensors	Muhammad Adnan, Jawaid Iqbal, Abdul Waheed, Noor Ul Amin, Mahdi Zareei, Shidrokh Goudarzi, and Asif Umer

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