

Theme 1-2: ICT and IoT - 2022

Title	Authors	Scopus Source title	Volume	Issue	Pages	Publication type
Exogenous Contrast Agents in Photoacoustic Imaging: An In Vivo Review for Tumor Imaging	Farooq, A. Sabah, S. Dhou, S. Alsawafah, N. Hussein, G.	Nanomaterials	12	3	-	Review
An IoT Machine Learning-Based Mobile Sensors Unit for Visually Impaired People	Dhou, S. Alnabulsi, A. Al-Ali, A.R. Arshi, M. Darwish, F. Almaazmi, S. Alameeri, R.	Sensors	22	14	-	Article
An IoT-Based Services Infrastructure for Utility-Scale Distributed Solar Farms	Shapsough, S. Zualkernan, I.	Energies	15	2	-	Article
Ranking Security of IoT-Based Smart Home Consumer Devices	Allifah, N.M. Zualkernan, I.A.	IEEE Access	10	-	18352-18369	Article
Edge-based individualized anomaly detection in large-scale distributed solar farms	Sajun, A.R. Shapsough, S. Zualkernan, I. Dhaouadi, R.	ICT Express	8	2	174-178	Article
Spectrum Allocation Techniques for Cognitive Radio Networks	Helmy, M. Hassan, M.S. Ismail, M.H.	IEEE Access	10	-	28180-28193	Article
Optimal Placement of Reconfigurable Intelligent Surfaces for Spectrum Coexistence With Radars	Kafafy, M. Ibrahim, A.S. Ismail, M.H.	IEEE Transactions on Vehicular Technology	71	6	6574-6585	Article
Design and Optimization of a UAV-Enabled Non-Orthogonal Multiple Access Edge Computing IoT System	Farha, Y.A. Ismail, M.H.	IEEE Access	-	-	1-1	Article
A Low-Delay Hybrid Half/Full-Duplex Link Selection Scheme for Cooperative Relaying Networks	Siddig, A.A. Ibrahim, A.S. Ismail, M.H.	IEEE Transactions on Vehicular Technology	71	10	11174-11188	Article
Optimized modulation order for V2V communication over index-modulated radar signals	Kafafy, M. Ibrahim, A.S. Ismail, M.H.	Vehicular Communications	36	-	-	Article
A PDE-based Stochastic Model for the Amount of Data Transmitted over Multi-State Wireless Channels	Aborahama, Y. Hassan, M.S. Ismail, M.H.	2022 9th International Conference on Electrical and Electronics Engineering, ICEEE 2022	-	-	429-435	Conference Paper
Physical Layer Security Analysis Over Composite Generalized Gamma-Lognormal Fading Channels	Eldokmak, Y.M. Ismail, M.H. Hassan, M.S.	Wireless Telecommunications Symposium	2022-	-	-	Conference Paper
Edge-based individualized anomaly detection in large-scale distributed solar farms	Sajun, A.R. Shapsough, S. Zualkernan, I. Dhaouadi, R.	ICT Express	8	2	174-178	Article
On the Integration of Blockchain With IoT and the Role of Oracle in the Combined System: The Full Picture	Sadawi, A.A. Hassan, M.S. Ndiaye, M.	IEEE Access	10	-	92532-92558	Article
Hybrid Predistorter for Broadband Power Amplifiers Linearization with Relaxed DAC Speed in the Signal Transmit Path	Ali, A.A. Ahmed, S. Hammi, O.	IEEE Access	-	-	1-1	Article
Technology supported learning and pedagogy in times of crisis: the case of COVID-19 pandemic	Ahmed, V. Opoku, A.	Education and Information Technologies	27	1	365-405	Article
A Comprehensive Blockchain Framework for (COVID-19)Vaccine Program Registration, Supply Chain and Side Effects	Al Sadawi, A. Ndiaye, M.	2022 IEEE International Conference on Omni-Layer Intelligent Systems, COINS 2022	-	-	-	Conference Paper
On the Integration of Blockchain With IoT and the Role of Oracle in the Combined System: The Full Picture	Sadawi, A.A. Hassan, M.S. Ndiaye, M.	IEEE Access	10	-	92532-92558	Article
Covid-19 and Online Learning Challenges in Engineering Education: A Case Study of the American University of Sharjah	Ahmed, V. Ahmed, H. Zamzam, H. Saboor, S.	IEEE Global Engineering Education Conference, EDUCON	2022-	-	975-980	Conference Paper