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List of Journal Publications

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- [1] M. Z. Khan, W. Abbass, N. Abbas, M. A. Javed, A. Alahmadi and U. Majeed “SAFE-MED for Privacy-Preserving Federated Learning in IoMT via Adversarial Neural Cryptography” *Mathematics*, vol. 13, no. 18, p. 2954, 2025. IF = 2.2
- [2] H. Nazari, A. Hussain Farooqi, B. Raza, S. Kamal, W. Nawaz and W. Abbass, “A CUDA-Accelerated Hybrid CNN-DNN Approach for Multi-Class Malware Detection in IoT Networks,” *IEEE Access*, vol. 13, pp. 150054-150067, 2025. IF = 3.6
- [3] W. Abbass, N. Abbas, U. Majeed, W. Nawaz, Q. Abbas and A. Hussain Farooqi, “A Cyber Resilient Framework for V2X Enabled Roundabouts in Intelligent Transportation Systems,” *IEEE Access*, vol. 13, pp. 154775-154802, 2025. IF = 3.6
- [4] M. Zuraiz, M. Javed, N. Abbas, W. Abbass, W. Nawaz, and A. H. Farooqi, “Optimizing secure and efficient data aggregation in IoMT using NSGA-II,” *IEEE Access*, vol. 13, pp. 118890-118911, 2025. IF = 3.6
- [5] F. U. Rehman, F. Amjad, W. Lee, and M. Chang, “Recent advances in functional energy materials for microbial fuel cells: Progress, challenges, and future perspectives,” *Journal of Materials Chemistry A*, 2025. IF = 9.5
- [6] F. Rehman, A. Ali, M. Zubair, U. Waheed, R. Khan, A. Yaqoob, I. Shahzadi, and M. Siddique, “Microwave-assisted green synthesis of silver nanoparticles and chitosan nanocomposites for the removal of reactive blue-19,” *International Journal of Environmental Science and Technology*, vol. 22, no. 2, pp. 1001–1016, 2025. IF = 3.4
- [7] F. Rehman, H. Li, S. A. Khokhar, U. J. Malik, A. Hamza, and S. Song, “Development of an artificial neural network (ANN) based model for tailoring the fracture response of eco-friendly engineered geopolymer composites (EGC),” *Next Materials*, vol. 8, p. 100812, 2025. IF = (-)
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- [10] U. F. Ahmed, G. S. Wyatt-Moon, and A. J. Flewitt, “Nano-in-Nano” Schottky diodes fabricated by combining self-aligned nanogap patterning with bottom-up ZnO nanowire growth,” *ACS Applied Electronic Materials*, vol. 7, no. 1, pp. 143–149, 2025. IF = 4.7
- [11] H. Sallar, M. Irfan, M. M. Khan, and M. W. Shahzad, “Hydro-thermal performance of an I-shaped pin fin microchannel heat sink with variable pin fin height, thickness and orientation,” *International Communications in Heat and Mass Transfer*, vol. 160, p. 108256, 2025. IF = 6.4
- [12] L. Hussain, M. M. Khan, N. Ahmad, M. Imran, and M. W. Shahzad, “Taguchi-based optimization of a fluidic oscillator for enhanced thermal-hydraulic performance of an impinging sweeping jet,” *International Communications in Heat and Mass Transfer*, vol. 166, p. 109176, 2025. IF = 6.4
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