ISI Web of Science Index Journals with Impact Factor

Published Articles: (*with HQP)

1. A. Esfahani*, M. Sadeghi, E. Adib, P. Wheeler, A.Khan and M. Jamil, **"Low Output Current Ripple Ultra High-Step down Two-Phase Buck Converter with Low Switching Losses,"** IEEE Transactions on Industrial Electronics, Accepted, 19 June 2024. (IF=7)

2. B. Muhammetoglu* and M. Jamil , **"Dual Active Bridge Converter with Interleaved and Parallel Operation for EV Charging,"** Energies, Energies, vol. 17, issue 17, 2024. (IF=3.0)

3. J. Khan*, A.Khan and M. Jamil, **"A Novel Non-Isolated Bidirectional DC-DC Converter with Improved Current Ripples for Low-Voltage On-Board Charging,"** Energies, vol. 17, issue 14, 2024. (IF=3.0)

4. M. Waqas and Mohsin Jamil, **"Smart IoT SCADA System for Hybrid Power Monitoring in Remote Natural Gas Pipeline Control Stations,"** Electronics, Vol. 13, Issue 16, Aug 2024.

5. W. Khalid*, M. Jamil, A.Khan and Q. Awais, **"Open-Source Internet of Things-Based Supervisory Control and Data Acquisition System for Photovoltaic Monitoring and Control Using HTTP and TCP/IP Protocols,"** Energies, vol. 17, issue 16, 2024. (IF=3.0)

6. W. Khalid*, Q.Awais*, M.Jamil and A.Khan, "**Dynamic Simulation and Optimization of Off-Grid Hybrid Power Systems for Sustainable Rural Development ,"** Electronics, 18 June 2024. (IF=2.6)

7. S. Z. Rizvi**, M. Jamil and W. Huang, "**Pixel U-Net - An Improved Version of U-Net for Binary Segmentation of Wind Turbine Blades**," Signal, Image and Video Processing,", 13 June 2024. (IF=2.6)

8. R. Parsi*, M. Jamil, and A. Khan, **"A Multi-Stage Framework for Coordinated Scheduling of Networked Microgrids in Active Distribution Systems with Hydrogen Refueling and Charging Stations,"** International Journal of Hydrogen Energy, Vol. 71, June 2024. (IF=8.1)

9. M. Assareh*, P. Yavari*, M. Jamil, B. Rafie, E. Assareh, "**Thermodynamic Analysis of a Multiple Energy Production System Based on Geothermal Energy for Commissioning in Canada and Optimization by Response Surface Method (RSM),"** Energy, Vol. 302, September 2024. (IF=9)

10. A.Niaki* and M. Jamil, "**An Efficient Hydrogen-Based Water-Power Strategy to Alleviate the Number of Transmission Switching within Smart Grid**," International Journal of Hydrogen Energy, Vol. 70, June 2024. (IF=8.1)

11. S. Khan*, A. Khan, M. Jamil, U. Khan, H. Ahmed, and S. Ahmed, "**Novel Three-Phase Buck-Boost Inverter with Reduced Input Current Ripple and No Short-Circuit and Open-Circuit Faults**," IEEE Transactions on Power Electronics, Vol. 39, Issue 5, May 2024. (IF=6.7)

12. K. Sabahi, M. Jamil, Y. Shokri, M. Tavan, and Y. Arya, "**Deep Deterministic Policy Gradient Reinforcement Learning Based Adaptive PID Load Frequency Control of an AC Micro-grid**," IEEE Canadian Journal of Electrical and Computer Engineering, vol. 47, issue 1, Mar 2024, pp. 15-21. (IF=2.1)

13. M. Waqas, M. Jamil, and A.Khan, "**Hybrid Power System Design and Dynamic Modeling for Enhanced Reliability in Remote Natural Gas Pipeline Control Stations**," Energies, vol. 17, issue 7, 2024. (IF=3.2)

14. S.Imtiaz, L.Yang, H. Khan, H.Munir, M. Alharbi and M. Jamil, "**Wind-Assisted Microgrid Grid Code Compliance Employing A Hybrid Particle Swarm Optimization-Artificial Hummingbird Algorithm Optimizer-Tuned STATCOM**," Wind Energy, 2024. (IF=4.1)

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