

Wykaz publikacji i osiągnięć autora

Published Journal Papers

1. Lerch, Tomasz, Szymon Barczentewicz, Mohammad Abu Sarhan, Zhiwang Feng, and Graeme Burt. "Grid tie converters aided rapid grid voltage fluctuation compensation with power hardware-in-the-Loop experimental validation." *e+ i Elektrotechnik und Informationstechnik* (2025): 1-9. **(Q4, 20 Points)**
2. Sarhan, Mohammad Abu, Szymon Barczentewicz, and Tomasz Lerch. "Hybrid islanding detection method using PMU-ANN approach for inverter-based distributed generation systems." *IET Renewable Power Generation* 18 (2024): 4453-4464. **(Q2, 100 Points)**
3. Abu Sarhan, Mohammad, Andrzej Bien, and Szymon Barczentewicz. "Use of analytical hierarchy process for selecting and prioritizing islanding detection methods in power grids." *International Journal of Electrical & Computer Engineering (2088-8708)* 14, no. 3 (2024). **(Q2, 70 Points)**
4. Abu Sarhan, Mohammad. "An extensive review and analysis of islanding detection techniques in DG systems connected to power grids." *Energies* 16, no. 9 (2023): 3678. **(Q1, 140 Points)**
5. Sarhan, Mohammad Abu, Andrzej Bień, Szymon Barczentewicz, and Rana Hassan. "A review of electricity and renewable energy sectors status and prospect in Jordan." *Przegląd Elektrotechniczny* 97, no. 9 (2021). **(Q4, 70 Points)**
6. Hassan, Rana Muneeb, Andrzej Bien, Szymon Barczentewicz, and Mohammad Abu Sarhan. "Energy Sector of Pakistan—A Review." *Przegląd Elektrotechniczny* 97, no. 10 (2021). **(Q4, 70 Points)**

Published Conference Papers

1. Sarhan, Mohammad Abu, Andrzej Bien, Szymon Barczentewicz, and Rana Hassan. "Global Maximum Power Point Tracking (GMPPT) Control Method of Solar Photovoltaic System under Partially Shaded Conditions." In *2022 8th International Conference on Automation, Robotics and Applications (ICARA)*, pp. 209-216. IEEE, 2022. **(20 Points)**
2. Sarhan, Mohammad Abu, Andrzej Bien, and Szymon Barczentewicz. "Experimental study of power definitions in non-sinusoidal condition." In *2022 5th International Conference on Electronics and Electrical Engineering Technology (EET)*, pp. 126-131. IEEE, 2022. **(20 Points)**
3. Sarhan, Mohammad Abu, Szymon Barczentewicz, and Andrzej Bien. "Dynamic voltages and currents in the microgrids while unintentional islanding." In *KNER: I Konferencja Naukowa Energetyki Rozproszonej KNER*, 2023.