

## **Published Journal Papers**

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2. Nour Elsayad; Hadi Moradisizkoohi; Osama Mohammed, "A New SEPIC-Based Step-Up DC-DC Converter with Wide Conversion Ratio for Fuel Cell Vehicles: Analysis and Design," *IEEE Transactions on Industrial Electronics*, Volume: 68, Issue: 8, Page(s): 6390-6400, August 2021, DOI: 10.1109/TIE.2020.3007110
3. Tawfiq Aljohani, Ahmed Saad and Osama Mohammed, "Two-Stage Optimization Strategy for Solving the VVO Problem Considering High Penetration of Plug-in Electric Vehicles to Unbalanced Distribution Networks," *IEEE Transactions on Industry Applications* DOI: 10.1109/TIA.2021.3077547, May 2021.
4. Aljohani, T. M., Ebrahim, A. F., & Mohammed, O. "A Real-Time Metadata-Driven Routing Optimization for Electric Vehicle Energy Consumption Minimization Using Deep Reinforcement Learning and Markov Chain Model", *Electric Power Systems Research*. Elsevier, Volume 192, DOI: j.epr.2020.106962, March 2021.
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- Stator Interturn Failures in Direct Torque Control Drive Systems", IEEE Transactions on Industry Applications, November/December 2020, Volume: 56, Issue: 6, Page(s): 6272-6285, 10.1109/TIA.2020.3019779.
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  11. Ahmed Saad; Samy Faddel; Tarek Youssef; Osama A. Mohammed "On the Implementation of IoT-Based Digital Twin for Networked Microgrids Resiliency against Cyber Attacks," IEEE Transactions on Smart Grid, November 2020, Volume: 11, Issue: 6, Page(s): 5138-5150, DOI: 10.1109/TTE.2020.3032225.
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