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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ripple Minimization in Asymmetric Interleaved DC-DC Converters Using Neural Networks**
Alemdar O. S., Oner M. U., ALTUN O., KEYSAN O.
IEEE Transactions on Power Electronics, vol.39, no.3, pp.3411-3421, 2024 (SCI-Expanded)
- II. **Variable Carrier Phase Shift Method for Integrated Contactless Field Excitation System of Electrically Excited Synchronous Motors**
AYAZ E., ALTUN O., KEYSAN O.
IEEE Transactions on Power Electronics, vol.38, no.10, pp.13243-13253, 2023 (SCI-Expanded)
- III. **Carrier Phase Shift Method of SPWM for Concurrent Wired and Wireless Power Transfer Systems**
AYAZ E., ALTUN O., KEYSAN O.
IEEE Transactions on Industrial Electronics, vol.70, no.9, pp.8645-8654, 2023 (SCI-Expanded)
- IV. **Fault Tolerant Multi-Tx/Multi-Rx Inductive Power Transfer System with a Resonator Coil**
AYAZ E., ALTUN O., POLAT H., KEYSAN O.
IEEE Journal of Emerging and Selected Topics in Power Electronics, vol.11, no.1, pp.1272-1284, 2023 (SCI-Expanded)
- V. **Balancing of Common DC-Bus Parallel Connected Modular Inductive Power Transfer Systems**
POLAT H., AYAZ E., ALTUN O., KEYSAN O.
IEEE Journal of Emerging and Selected Topics in Power Electronics, vol.10, pp.1587-1596, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **Narrowband and Wideband Dual-Mode Wireless Power Transfer System With a Single Transmitter**
Ayaz E., Altun O., Gülsuna Ö., Keysan O.
IEEE TRANSACTIONS ON POWER ELECTRONICS, vol.1, no.1, pp.1-7, 2024 (ESCI)
- II. **Concurrent Wireless Power Transfer and Motor Drive System With a Single Converter**
AYAZ E., ALTUN O., POLAT H., KARAKAYA F., KEYSAN O.
Institute of Electrical and Electronics Engineers (IEEE), vol.4, no.1, pp.409-418, 2023 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Ripple Minimization in Asymmetric Interleaved Boost Converters for Vehicle-Integrated Photovoltaics (VIPV) Applications**
Alemdar O. S., ALTUN O., KEYSAN O.
2023 International Exhibition and Conference for Power Electronics, Intelligent Motion, Renewable Energy and

Energy Management, PCIM Europe 2023, Nuremberg, Germany, 9 - 11 May 2023, pp.1718-1726

II. **Generalized Model of Modular Two Element Compensated IPT Systems with Common DC-Bus**

AYAZ E., ALTUN O., POLAT H., KEYSAN O.

Wireless Power Week (WPW), Bordeaux, France, 5 - 08 July 2022, pp.260-265

III. **A Modular Inductive Power Transfer System for Synchronous Machine Field Excitation**

ALTUN O., AYAZ E., POLAT H., KEYSAN O.

Wireless Power Week (WPW), Bordeaux, France, 5 - 08 July 2022, pp.476-481

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