

Comparative evaluation of multicoil inductive power transfer approaches based on Z-source network

Pakhaliuk, Bohdan; **Husev, Oleksandr**; Strzelecki, Ryszard; Shevchenko, Viktor; Maksym, Khomenko 2019 IEEE 2nd Ukraine Conference on Electrical and Computer Engineering (UKRCON) 2019 / 5 p <https://doi.org/10.1109/UKRCON.2019.8880002>

Impedance network-based diode-clamped multilevel inverter voltage balancing with cascaded voltage multiplier

Ebrahimi, Ali; Babaei, Ebrahim; Mousavi, S. M. J.; Mashinchi Maheri, Hamed; **Jalakas, Tanel** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p <https://doi.org/10.1109/RTUCON60080.2023.10413166>

Impedance-source DC solid-state circuit breakers : an overview

Rahimpour, Saeed; **Husev, Oleksandr**; **Vinnikov, Dmitri** 2022 International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM) 2022 / p. 186-191 <https://doi.org/10.1109/SPEEDAM53979.2022.9842138>

Modified high voltage gain soft-switched quasi-switched boost inverter

Abbasi Aghdam Meinagh, Farhad; Babaei, Ebrahim; **Vinnikov, Dmitri**; **Chub, Andrii** 2019 IEEE International Conference on Industrial Technology, ICIT 2019 : Melbourne, Australia, 13-15 February 2019 : proceedings 2019 / p. 1087-1092 : ill <https://doi.org/10.1109/ICIT.2019.8755041>

Novel inductive power transfer approach based on Z-source network with compensation circuit

Pakhaliuk, Bohdan; **Husev, Oleksandr**; Shevchenko, Viktor; Veligorskyi, Oleksandr; Kroics, Kaspars 2018 IEEE 38th International Conference on Electronics and Nanotechnology (ELNANO 2018) : Kyiv, Ukraine, 24-26 April 2018 2018 / p. 699-704 : ill <http://dx.doi.org/10.1109/ELNANO.2018.8477455>

A single-phase high-frequency isolated quasi-Z-source AC-AC converter without commutation problem and step-change frequency operation

Zargariafshar, D.; Mousavi, S. M. J.; Babaei, Ebrahim; Mashinchi Maheri, Hamed; **Hassanpour, Naser** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p <https://doi.org/10.1109/RTUCON60080.2023.10413096>

Topological review of quasi-switched boost inverters

Barath, Jayakumar Geetha Nataraj; Soundarajan, Ayyasamy; Stepenko, Serhii; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Nguyen, Minh-Khai Electronics 2021 / art. 1485 <https://doi.org/10.3390/electronics10121485> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)