Efficiency and loss distribution analysis of the 3L-Active NPC qZS inverter

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Fernao Pires, Vitor; **Husev, Oleksandr** 2018 IEEE 12th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2018): Doha, Qatar, 10-12 April 2018 2018 / p. 449-454: ill https://doi.org/10.1109/CPE.2018.8372560

New interleaved single-phase quasi-Z-source inverter with active power decoupling

Stepenko, Serhii; Roncero-Clemente, Carlos; **Husev, Oleksandr**; **Makovenko, Elena**; Pires Pimentel, Sergio; **Vinnikov, Dmitri** 2018 IEEE 12th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2018): Doha, Qatar, 10-12 April 2018 2018 / p. 437-442: ill https://doi.org/10.1109/CPE.2018.8372558

Novel quasi-Z-source derived inverter with unfolding circuit and battery storage

Makovenko, Elena; Husev, Oleksandr; Vinnikov, Dmitri 2018 IEEE 12th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2018): Doha, Qatar, 10-12 April 2018 2018 / p. 431-436: ill https://doi.org/10.1109/CPE.2018.8372557

Photovoltaic module characteristic influence on reliability of micro-inverters

Sangwongwanich, Ariya; **Liivik, Elizaveta**; **Blaabjerg, Frede** 2018 IEEE 12th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2018): Doha, Qatar, 10-12 April 2018 2018 / p. 478-483: ill https://doi.org/10.1109/CPE.2018.8372565

Single-phase qZS-based PV inverter with integrated battery storage for distributed energy generation Husev, Oleksandr; Makovenko, Elena; Vinnikov, Dmitri; Jalakas, Tanel 2018 IEEE 12th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2018): Doha, Qatar, 10-12 April 2018 2018 / p. 508-513: ill https://doi.org/10.1109/CPE.2018.8372570