Analysis of oscillation suppression methods in the AC-AC stage of high frequency link converters
Korkh, Oleksandr; **Blinov, Andrei**; **Vinnikov, Dmitri** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 5 p. : ill
https://doi.org/10.1109/RTUCON48111.2019.8982259

Characterisation of 1200 V reverse-blocking IGBTs for naturally commutated HF-link inverter
Zinchenko, Denys; **Korkh, Oleksandr**; **Blinov, Andrei**; Waind, Peter; **Vinnikov, Dmitri** 2019 IEEE 2nd Ukraine Conference on Electrical and Computer Engineering : UKRCON-2019 : conference proceedings 2019 / p. 382-387 : ill
https://doi.org/10.1109/UKRCON.2019.8879900

Comparative evaluation of common-ground converters for dual-purpose application
Hemmati Shahsavar, Tala; **Rahimpour, Saeed**; **Vosoughi Kurdkandi, Naser**; Fesenko, Artem; **Matiushkin, Oleksandr**; **Husev, Oleksandr**; **Vinnikov, Dmitri** Energies 2023 / art. 2977 https://doi.org/10.3390/en16072977 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparison of soft switching methods of DC-AC full bridge high-frequency link converter
Korkh, Oleksandr; **Blinov, Andrei**; **Kosenko, Roman**; **Vinnikov, Dmitri** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill
https://doi.org/10.1109/RTUCON.2018.8659898

Comprehensive comparative analysis of impedance-source networks for DC and AC application
Husev, Oleksandr; Shults, Tatiana; **Vinnikov, Dmitri**; **Chub, Andrii** Electronics 2019 / 21 p. : ill
https://doi.org/10.3390/electronics8040405 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High gain DC-AC high-frequency link inverter with improved quasi-resonant modulation
Blinov, Andrei; **Korkh, Oleksandr**; **Chub, Andrii**; **Vinnikov, Dmitri**; Peftitsis, Dimosthenis; Norrga, Staffan; Galkin, Ilja IEEE transactions on industrial electronics 2022 / p. 1465-1476 : ill https://doi.org/10.1109/TIE.2021.3060657 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On the design process of a 6-kVA quasi-Z-inverter employing SiC power devices
Zdanowski, Mariusz; Peftitsis, Dimosthenis; Piasecki, Szymon; **Rabkowski, Jacek** IEEE transactions on power electronics 2016 / p. 7499-7508 : ill https://doi.org/10.1109/TPEL.2016.2527100

Overview of bidirectional unfolding converters for battery energy storage systems
Bubovich, Alexander; Vorobyov, Maxim; Galkin, Ilja; **Blinov, Andrei**; Giannakis, Andreas 2022 IEEE 13th International Symposium on Power Electronics for Distributed Generation Systems (PEDG) 2022 / 7 p https://doi.org/10.1109/PEDG54999.2022.9923093

Peculiarities of multilevel power electronic converters for interfacing battery energy storages with AC loads
Bubovich, Alexander; Vorobyov, Maxim; **Blinov, Andrei**; Peftitsis, Dimosthenis IEEE 8th Workshop on Advances in Information, Electronic and Electrical Engineering (AIEEE) 2021 / p. 1-4 https://doi.org/10.1109/AIEEE51419.2021.9435798

qZS inverter as synchronverter in small-scale micro-grid
Zakis, Janis; **Makovenko, Elena**; Zeng, Hao; **Husev, Oleksandr**; **Kütt, Lauri** Elektronika ir elektrotechnika = Electronics and electrical engineering 2018 / p. 58-62 : ill https://doi.org/10.5755/j01.eie.24.2.20636 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS