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

A new coupled-inductor-based buck/boost DC/DC converter with soft switching for DC microgrid applications
Maheri, Hamed Mashinchi; Heris, Pedram Chavoshipour; Saadatizadeh, Zahra; Babaei, Ebrahim; **Vinnikov, Dmitri** IEEE 15th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2021 / p. 1-6
https://doi.org/10.1109/CPE-POWERENG50821.2021.9501195

A new high step-up switched-capacitor/inductor based DC-DC converter
Mashinchi Maheri, Hamed; Saadatizadeh, Zahra; Chavoshipour Heris, Pedram; Babaei, Ebrahim; Vinnikov, Dmitri 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 15-17 Nov. 2021 : conference proceedings 2021 / p. 1-5 https://doi.org/10.1109/RTUCON53541.2021.9711590

A new transformer-less single switch boost DC-DC converter with lower stress
Mashinchi Maheri, Hamed; Mohammadzadeh Shahir, Farzad; Babaei, Ebrahim 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), November 5-7, 2020 2020 / 6 p
http://www.conference.rtu.lv/qazcdeTGBmjU/RTUCON2020_paper_101Gq73sO95Kb30.pdf https://doi.org/10.1109/RTUCON51174.2020.9316470