

**A new flying capacitor-based buck-boost converter for dual-purpose applications**

**Hemmati Shahsavar, Tala; Vosoughi Kurdkandi, Naser; Husev, Oleksandr;** Babaei, Ebrahim; Sabahi, Mehran; Khoshkbar-Sadigh, Arash; **Vinnikov, Dmitri** IEEE journal of emerging and selected topics in industrial electronics 2023 / p. 447-459  
<https://doi.org/10.1109/JESTIE.2023.3238322>

**A New Single Source Five-Level Common Ground Switched Capacitor based Inverter**

**Hemmati Shahsavar, Tala; Husev, Oleksandr;** Babaei, Ebrahim; Sabahi, Mehran; **Vinnikov, Dmitri;** Khoshkbar-Sadigh, Arash 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 <https://doi.org/10.1109/ENERGYCON53164.2022.9830422>