

**Grid-forming operation of energy-router based on model predictive control with improved dynamic performance**

**Najafzadeh, Mahdiyyeh**; Strzelecka, Natalia; **Husev, Oleksandr**; **Roasto, Indrek**; Nassereddine, Kawsar; **Vinnikov, Dmitri**; Strzelecki, Ryszard Energies 2022 / 14 p. : ill <https://doi.org/10.3390/en15114010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimal rotating receiver angles estimation for multicoil dynamic wireless power transfer**

Pakhaliuk, Bohdan; Shevchenko, Viktor; Mućko, Jan; **Husev, Oleksandr**; Lukianov, Mykola; Kołodziejek, Pjotr; Strzelecka, Natalia; Strzelecki, Ryszard Energies 2021 / art. 6144, 15 p. : ill <https://doi.org/10.3390/en14196144> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Trans-Z-source-like inverter with built-in DC current blocking capacitors [Electronic resource]**

Adamowicz, Marek; Guzinski, Jaroslaw; Strzelecka, Natalia; **Vinnikov, Dmitri** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 137-149 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/5942221>