

**Analytical comparison between capacitor assisted and diode assisted cascaded quasi-Z-source inverters**  
**Vinnikov, Dmitri; Roasto, Indrek; Jalakas, Tanel; Strzelecki, Ryszard; Adamowicz, Marek** Przeglad elektrotechniczny = Electrical review 2012 / p. 212-217 : ill  
[https://www.researchgate.net/publication/290652933\\_Analytical\\_comparison\\_between\\_capacitor\\_assisted\\_and\\_diode\\_assisted\\_cascaded\\_quasi-Z-source\\_inverters](https://www.researchgate.net/publication/290652933_Analytical_comparison_between_capacitor_assisted_and_diode_assisted_cascaded_quasi-Z-source_inverters)

#### **Cascaded quasi-Z-source inverters for renewable energy generation systems**

Adamowicz, Marek; Strzelecki, Ryszard; **Vinnikov, Dmitri** Proceedings of 5th International Conference and Exhibition on Ecological Vehicles and Renewable Energies : March 25-28, 2010, Grimaldi Forum, Monaco 2010 / [8] p

#### **CCM and DCM operation analysis of cascaded quasi-z-source inverter**

**Vinnikov, Dmitri; Roasto, Indrek; Strzelecki, Ryszard; Adamowicz, Marek** Proceedings of IEEE International Symposium on Industrial Electronics : ISIE'2011 : 27-30 June 2011, Gdansk, Poland 2011 / p. 159-164 : ill

#### **Comparison of three-phase isolated DC/DC converters with Z- and quasi-Z-source inverters**

**Egorov, Mikhail; Vinnikov, Dmitri; Strzelecki, Ryszard; Adamowicz, Marek** 7th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Narva-Jõesuu, Estonia, 16.06-19.06.2009] 2009 / p. 9-14 : ill

#### **Impedance-source inverter-based high-power DC/DC converter for fuel cell applications**

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#### **Performance improvement method for the voltage-fed qZSI with continuous input current**

**Vinnikov, Dmitri; Roasto, Indrek; Strzelecki, Ryszard; Adamowicz, Marek** MELECON 2010 : the 15th IEEE Mediterranean Electrotechnical Conference : 25th-28th April 2010, Malta : book of abstracts 2010 / p. 135

#### **Step-up DC/DC converters with cascaded quasi-Z-source network**

**Vinnikov, Dmitri; Roasto, Indrek; Strzelecki, Ryszard; Adamowicz, Marek** IEEE transactions on industrial electronics 2012 / p. 3727-3736 : ill <https://ieeexplore.ieee.org/document/6096410>

#### **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>

#### **Two-stage quasi-Z-source network based step-up DC/DC converter**

**Vinnikov, Dmitri; Roasto, Indrek; Strzelecki, Ryszard; Adamowicz, Marek** ISIE 2010 : IEEE International Symposium on Industrial Electronics : Bari, Italy, 4-7 July 2010 2010 / p. 1143-1148 : ill