

### **Grid-connected PV system based on a single-phase three-level qZS inverter**

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr; Vinnikov, Dmitri**; Stepenko, Serhii Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5979-5984 : ill <https://doi.org/10.1109/IECON.2013.6700116> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **MPPT algorithms for wind turbines : review and comparison**

Lukin, Aleksandr; **Demidova, Galina**; Alassaf, Omar; Lukichev, Dmitry; **Rassölkin, Anton; Vaimann, Toomas** 29th International Workshop on Electric Drives: Advances in Power Electronics for Electric Drives (IWED) 2022 / p. 1-6 <https://doi.org/10.1109/IWED54598.2022.9722597>

### **Novel gramian-based structure-preserving model order reduction for power systems with high penetration of power converters**

**de Morais Dias Campos, Nathalia; Sarnet, Tanel; Kilter, Jako** IEEE transactions on power systems 2023 / p. 5381-5391 <https://doi.org/10.1109/TPWRS.2022.3228458> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Operation strategy and shoot-through indirect control method for three-phase Z-source inverters**

Roncero-Clemente, Carlos; **Husev, Oleksandr**; Romero-Cadaval, Enrique; **Vinnikov, Dmitri**; Milanés-Montero, Maria Isabel 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 576-581 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266380>

### **P and Q control strategy for single phase Z/qZ source inverter based on d-q frame**

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr; Vinnikov, Dmitri** Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 2014 / p. 2048-2053 : ill

### **Simulation of grid connected three-level neutral-point-clamped qZS inverter using PSCAD**

Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr; Vinnikov, Dmitri**; Stepenko, Serhii Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 14-19 : ill

### **Simulink based model of electric drive for throttle valve in pumping application**

**Gevorkov, Levon; Rassölkin, Anton; Kallaste, Ants; Vaimann, Toomas** 2018 19th International Scientific Conference on Electric Power Engineering (EPE 2018) : Brno, Czech Republic, 16 - 18 May 2018 2018 / p. 256-259 : ill <https://doi.org/10.1109/EPE.2018.8395996>

### **The Use of DigSilent Power Factory Simulator for "Introduction into Power Systems" Lectures**

**Astapov, Victor; Palu, Ivo; Vaimann, Toomas** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2018 / p. 95-99 : ill <https://doi.org/10.2478/ecce-2018-0011>