

### **Carrier based modulation with capacitor balancing for three-level neutral-point-clamped qZS inverter**

Romero-Cadaval, Enrique; Roncero-Clemente, Carlos; **Husev, Oleksandr; Vinnikov, Dmitri** 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 / p. 57-62 : ill <http://dx.doi.org/10.1109/CPE.2015.7231049>

### **Current sensorless control algorithm for single-phase three-level NPC inverter**

Suzdalenko, Alexander; **Zakis, Janis**; Steiks, Ingars Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2014 / p. 28-33 : ill

### **Inverter-fed motor drive system : a systematic analysis of condition monitoring and practical diagnostic techniques**

Energies 2023 / art. 5628 <https://doi.org/10.3390/en16155628>

### **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

### **Simulation study of the grid-connected single-phase impedance-sourced NPC inverter with different control methods**

Roncero-Clemente, Carlos; **Husev, Oleksandr**; Romero-Cadaval, Enrique; **Zakis, Janis**; **Vinnikov, Dmitri**; Milanes-Montero, Maria Isabel 2015 IEEE International Conference on Industrial Technology (ICIT 2015) : Seville, Spain, 17-19 March 2015 / p. 2949-2954 : ill

### **Three-phase three-level neutral-point-clamped qZ source inverter with active filtering capabilities**

Roncero-Clemente, Carlos; **Husev, Oleksandr**; Romero-Cadaval, Enrique; Martins, Joao; **Vinnikov, Dmitri**; Milanes-Montero, Maria Isabel 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 / p. 216-220 : ill <http://dx.doi.org/10.1109/CPE.2015.7231075>

### **Verification of current sensorless control for single-phase NPC multilevel inverter**

Suzdalenko, Alexander; **Zakis, Janis**; Steiks, Ingars; Chaiko, Yelena 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 / p. 462-466 : ill <http://dx.doi.org/10.1109/CPE.2015.7231119>