

**Bidirectional operation of the power electronic interface for nearly-zero energy buildings**

**Roasto, Indrek; Jalakas, Tanel; Rosin, Argo** 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 2456-2464 : ill <https://ieeexplore.ieee.org/document/8515405>

**Characterisation of 1200 V RB-IGBTs with different irradiation levels under hard and soft switching conditions**

**Blinov, Andrei; Korkh, Oleksandr; Vinnikov, Dmitri;** Waind, Peter 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 1382-1391 : ill <https://ieeexplore.ieee.org/document/8515535>

**Experimental verification of two-stage power converter with current-fed soft-switching front-end for battery storage applications**

**Kosenko, Roman; Blinov, Andrei; Korkh, Oleksandr** 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 1599-1608 : ill <https://ieeexplore.ieee.org/document/8515580>

**Fault analysis and field experiences of central inverter based 2 MW PV plant**

Dumnic, Boris; **Liivik, Elizaveta;** Milicevic, Dragan 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 2281-2290 : ill <https://ieeexplore.ieee.org/document/8515423>

**Novel approach immune to partial shading for photovoltaic energy harvesting from building integrated PV (BIPV) solar roofs**

**Chub, Andrii; Korkh, Oleksandr; Kosenko, Roman; Vinnikov, Dmitri** 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 2243-2252 : ill <https://ieeexplore.ieee.org/document/8515623>

**Reliability analysis of micro-inverters considering PV module variations and degradation rates**

**Liivik, Elizaveta;** Sangwongwanich, Ariya; Blaabjerg, Frede 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 1475-1482 : ill <https://ieeexplore.ieee.org/document/8515325>

**Single switch multi-winding wireless power transfer system based on Z-source network**

Kroics, Kaspars; **Husev, Oleksandr;** Pakhaliuk, Bohdan 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 2465-2474 : ill <https://ieeexplore.ieee.org/document/8515602>