

Converter state-space model estimation using dynamic mode decomposition

Suskis, Pavels; Zakis, Janis; Suzdalenko, Alexander; Khang, Huynh Van; **Rassõlkin, Anton; Vaimann, Toomas**; Pomarnacki, Raimondas 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 5 I
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DC nano grid control in the residential energy router with the presence of constant power loads

Najafzadeh, Mahdiyyeh; Vinnikov, Dmitri; Husev, Oleksandr; Roasto, Indrek 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / p. 1-6 <https://doi.org/10.1109/ENERGYCON53164.2022.9830523>

Determining optimisation framework for local energy communities

Drovtar, Imre; **Korõtko, Tarmo**; Mutule, Anna; Kairisa, Evita; **Rosin, Argo** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 7 p <https://doi.org/10.1109/ENERGYCON53164.2022.9830444>

An electrolytic capacitor-less multiple-output LED driver with a universal input voltage

Awad, Khaled; **Abdelrahim Abdelghafour, Omar Mohamed**; Gaafar, Mahmoud A.; Orabi, Mohamed; **Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 6 I.
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Fault diagnosis of output-side diode-bridge in isolated DC-DC series resonant converter

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Hybrid energy storage lifetime-oriented control strategy in islanded microgrids : a real time simulation case study

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Load flow modelling in local energy community electric power systems

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A New Single Source Five-Level Common Ground Switched Capacitor based Inverter

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Partial buck-boost resonant power converter for residential PV applications

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State-of-the-art activity recognition and prediction techniques applicable to the home energy management system

Hokmabad, Hossein Nourollahi; **Belikov, Juri; Husev, Oleksandr; Vinnikov, Dmitri** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / art. 181231 : ill <https://doi.org/10.1109/ENERGYCON53164.2022.9830154>

Study of MOSFET post-fault operation in fault-tolerant DC-DC converters

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