

### **Accelerated global MPPT for multimode series resonant DC-DC converter**

**Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri** 2021 IEEE 15th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : Florence, Italy, 14-16 July 2021 2021 <https://doi.org/10.1109/CPE-POWERENG50821.2021.9501077>

### **Accuracy analysis of dual active bridge simulations under different integration methods**

**Arena, Gabriele; Vinnikov, Dmitri; Chub, Andrii; de Carne, Giovanni** 2022 AEIT International Annual Conference (AEIT) : October 3-5, 2022 2022 / p. 1-6 <https://doi.org/10.23919/AEIT56783.2022.9951711>

### **Alalisvoolu tagasitulek - unistus või reaalsus?**

**Roasto, Indrek; Vinnikov, Dmitri; Blinov, Andrei; Chub, Andrii; Carvalho da Silva, Edivan Laercio** Elektriala 2023 / lk. 22-25 : ill, portr [https://www.ester.ee/record=b1240496\\*est](https://www.ester.ee/record=b1240496*est)

### **An overview of wide-voltage range isolated DC-DC converters**

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### **Analysis of design requirements and optimization possibilities of partial power converter for photovoltaic string applications in DC microgrids**

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### **Analysis of fault-tolerant operation capabilities of an isolated bidirectional current-source DC-DC converter**

**Blinov, Andrei; Kosenko, Roman; Chub, Andrii; Ivakhno, Volodymyr** Energies 2019 / art. 3203, p. 14 : ill <https://doi.org/10.3390/en12163203> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Analysis of holdup time for DC grid-forming isolated active front-end converters**

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**Dual-Mode magnetically integrated photovoltaic microconverter with adaptive mode change and global maximum power point tracking**

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