

### **Distributed price-based power management for multibuses DC nanogrids EEMS**

**Carvalho da Silva, Edivan Laercio;** Bellinaso, Lucas V.; Cardoso, Rafael; Michels, Leandro IEEE journal of emerging and selected topics in power electronics 2022 / p. 5509-5521 <https://doi.org/10.1109/JESTPE.2022.3152101> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Distributed storage placement policy for minimizing frequency deviations: A combinatorial optimization approach based on enhanced cross-entropy method**

Machlev, Ram; Chowdhury, Nilanjan Roy; **Belikov, Juri; Levron, Yoash** International Journal of Electrical Power and Energy Systems 2022 / p. 1-14 : ill <https://doi.org/10.1016/j.ijepes.2021.107332> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Droop control implementation in bidirectional step-up/down Partial power converter for battery energy storage applications**

**Hassanpour, Naser; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p <https://doi.org/10.1109/RTUCON60080.2023.10413064>

### **Effect of droop control curves on the efficiency of dual-active bridge converters**

**Carvalho da Silva, Edivan Laercio; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri** IECON 2023- 49th Annual Conference of the IEEE Industrial Electronics Society IECON Proceedings (Industrial Electronics Conference) 2023 / 6 p <https://doi.org/10.1109/IECON51785.2023.10312056> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Performance evaluation of the universal photovoltaic string converter during the operation in DC microgrid environment**

**Matiushkin, Oleksandr; Vinnikov, Dmitri; Husev, Oleksandr** IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society, 2021 2021 / p. 1-6 : ill <https://doi.org/10.1109/IECON48115.2021.9589473> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Series-resonant DC-DC interface converter for battery integration into DC microgrids**

**Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri** 2022 IEEE 20th International Power Electronics and Motion Control Conference (PEMC) : Brasov, Romania, 25-28 Sept. 2022 : proceedings 2022 / p. 307-310 <https://doi.org/10.1109/PEMC51159.2022.9962929>

### **Stability issues with inverter loads and their control in low inertia islanded microgrids**

**Beg, Nauman;** Biechl, Helmuth; **Rosin, Argo** 2020 2nd Global Power, Energy and Communication Conference (GPECOM) 2020 IEEE 2nd Global Power, Energy and Communication Conference (GPECOM) :Online Conference, 20-23 October, 2020 : proceedings 2020 / p. 196-201 : ill <https://doi.org/10.1109/GPECOM49333.2020.9247913>

### **State coordinated voltage control in an active distribution network with on-load tap changers and photovoltaic systems**

**Singh, Praveen Prakash; Palu, Ivo** Global Energy Interconnection 2021 / 9 p. : ill <https://doi.org/10.1016/j.gloi.2021.05.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Study of battery energy storage operation in droop-controlled residential DC nanogrid**

**Hasan, Sayeed; Chub, Andrii; Vinnikov, Dmitri; Blinov, Andrei** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 5 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604364>

### **3L-T-type qZSI as grid-forming unit in AC microgrid**

Gutierrez-Escalona, Javier; Roncero-Clemente, Carlos; **Husev, Oleksandr;** Pires, Victor; Milanés-Montero, Maria Isabel; Gonzalez-Romera, Eva IECON 2022 – 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / code 184962 <https://doi.org/10.1109/IECON49645.2022.9968571> [Conference Proceedings at Scopus](#) [Article at Scopus](#)