

**LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII DOCTORALE,
PUBLICATE SAU ACCEPTATE SPRE PUBLICARE, SUB AFILIERE UPT**

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1. Lucrări științifice publicate în reviste indexate Web of Science-WoS (ISI)

1. O. Cornea, G. Andreescu, N. Muntean, and D. Hulea, "Bidirectional Power Flow Control in a DC Microgrid Through a Switched-Capacitor Cell Hybrid DC-DC Converter," *IEEE Transactions on Industrial Electronics*, vol. 64, no. 4, pp. 3012–3022, Apr. 2017 (WOS:000397770200047).
2. O. Cornea, D. Hulea, N. Muntean and G. Andreescu, "Step-Down Switched-Inductor Hybrid DC-DC Converter for Small Power Wind Energy Conversion Systems With Hybrid Storage," in *IEEE Access*, vol. 8, pp. 136092-136107, 2020 (WOS:000557772600001).

2. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings

1. C. Patrascu, C. Rat, D. Hulea, D. Vitan, and N. Muntean, "Mixed PV-wind small power microgrid," in *2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP)*, 2017, pp. 699–704 (WOS:000426909600106).
2. D. Hulea, B. Fahimi, N. Muntean, and O. Cornea, "High Ratio Bidirectional Hybrid Switched Inductor Converter Using Wide Bandgap Transistors," in *2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe)*, 2018, p. P.1-P.10 (WOS:000450299300314).
3. D. Hulea, O. Cornea, and N. Muntean, "Energy Management Strategy for Supercapacitor Storage Using a Nonlinear Virtual Impedance," in *2018 IEEE 18th International Power Electronics and Motion Control Conference (PEMC)*, 2018, pp. 375–380 (WOS:000462062900057).
4. D. Hulea, N. Muntean, M. Gireada, O. Cornea, and E. Serban, "Bidirectional Hybrid Switched-Inductor Switched-Capacitor Converter Topology with High Voltage Gain," in *2019 21th European Conference on Power Electronics and Applications (EPE'19 ECCE Europe)*, 2019 (WOS:000515073403110).
5. E. Serban, C. Pondiche, and D. Hulea, "Voltage and Power Balancing in Solar and Energy Storage Converters," in *2019 11th Annual Energy Conversion Congress and Exposition (ECCE)*, 2019 (WOS:000520543706034).
6. D. Hulea, M. Gireada, N. Muntean, and O. Cornea, "A Bidirectional Hybrid Switched-Capacitor DC-DC Converter with a High Voltage Gain," in *2019 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP) 2019 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM)*, 2019 (WOS:000535884900043).
7. D. Hulea, M. Gireada, D. Vitan, , O. Cornea, and N. Muntean, "An Improved Bidirectional Hybrid Switched Inductor Converter," in *2020 22th European Conference on Power Electronics and Applications (EPE'20 ECCE Europe)*, 2020 (în curs de indexare WoS; conferința anterioară 2019 indexată WoS).

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