

**Air-core coupled inductor based modular solid-state circuit breaker with reduced components for DC buildings**

Pogulaguntla, Aditya; Dsa, Daniel; Yagna, Griddaluru Venkata; Banavath, Satish Naik; **Carvalho da Silva, Edivan Laercio; Chub, Andrii; Vinnikov, Dmitri** IEEE journal of emerging and selected topics in power electronics 2025 / p. 2988-2999  
<https://doi.org/10.1109/JESTPE.2024.3485735>

**Bidirectional DC circuit breaker with improved performance during commissioning and reclosing**

Pogulaguntla, Aditya; Raghavendra I, Venkata; Banavath, Satish Naik; **Chub, Andrii**; Sreekanth, Thamballa; Krishnamoorthy, Harish Sarma 24th European Conference on Power Electronics and Applications (EPE'22 ECCE Europe) 2022 / p. P1-P9  
<https://ieeexplore.ieee.org/document/9907667>

**Experimental performance validation of Z-source DC circuit breaker for high impedance faults**

Pogulaguntla, Aditya; Naik Banavath, Satish; **Chub, Andrii; Vinnikov, Dmitri**; Singh, Rajendra 2024 IEEE Sixth International Conference on DC Microgrids (ICDCM) 2024 / 5 p <https://doi.org/10.1109/ICDCM60322.2024.10664702>