

**Enhancing grid-forming converters control in hybrid AC/DC microgrids using bidirectional virtual inertia support**

**Bakeer, Abualkasim Ahmed Ali; Chub, Andrii;** Abid, Abderahmane; Zaid, Sherif A.; Alghamdi, T. A. H.; Salama, Hossam S. Processes 2024 / art. 139 <https://doi.org/10.3390/pr12010139> <https://www.mdpi.com/2227-9717/12/1/139/htm> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Integration of PV system with SMES based on model predictive control for utility grid reliability improvement**

**Bakeer, Abualkasim Ahmed Ali;** Salama, Hossam S.; Vokony, Istvan Protection and Control of Modern Power Systems 2021 / art. 14 <https://doi.org/10.1186/s41601-021-00191-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mitigation of pulsed power load effect on power system using FLC-SMES**

Salama, Hossam S.; **Bakeer, Abualkasim Ahmed Ali;** Vokony, Istvan; **Chub, Andrii** Energy reports 2022 / p. 463-471 <https://doi.org/10.1016/j.egy.2021.11.054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Virtual inertia emulation through virtual synchronous generator based superconducting magnetic energy storage in modern power system**

Salama, Hossam S.; **Bakeer, Abualkasim Ahmed Ali;** Magdy, Gaber; Vokony, Istvan Journal of Energy Storage 2021 / Art. 103466 <https://doi.org/10.1016/j.est.2021.103466> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)