

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

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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](#)

A new virtual synchronous generator design based on the SMES system for frequency stability of low-inertia power grids

Magdy, Gaber; Bakeer, Abualkasim Ahmed Ali; Nour, Morsy; **Petlenkov, Eduard** Energies 2020 / art. 5641, 17 p. : ill
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Superconducting energy storage technology-based synthetic inertia system control to enhance frequency dynamic performance in microgrids with high renewable penetration

Magdy, Gaber; **Bakeer, Abualkasim Ahmed Ali**; Alhasheem, Mohammed Protection and Control of Modern Power Systems 2021 / Art. 36 <https://doi.org/10.1186/s41601-021-00212-z> [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

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