

Effects of the COVID-19 pandemic on energy systems and electric power grids — a review of the challenges ahead

Navon, Aviad; Machlev, Ram; Carmon, David; **Onile, Abiodun Emmanuel; Belikov, Juri**; Levron, Yoash *Energies* 2021 / art. 1056, 14 p. : ill <https://doi.org/10.3390/en14041056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Identification of mechanisms behind converter-related issues in power systems based on an overview of real-life events

De Rua, Philippe; Roose, Thomas; Sakinci, Özgür Can; **de Moraes Dias Campos, Nathalia**; Beerten, Jef *Renewable and sustainable energy reviews* 2023 / art. 113431 <https://doi.org/10.1016/j.rser.2023.113431> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mathematical modeling and stability analysis of a microgrid in island operation

Beg, Nauman; **Armstorfer, Andreas; Rosin, Argo; Biechl, Helmuth** 2018 International Conference on Smart Energy Systems and Technologies (SEST), 10-12 September, 2018, Seville, Spain : conference proceedings 2018 / 6 p. : ill <https://doi.org/10.1109/SEST.2018.8495694>

Minimal energy storage required for stability of low inertia distributed sources

Fahima, Aviad; Ofir, Ron; Levron, Yoash; **Belikov, Juri** 2018 5th IEEE International Energy Conference (ENERGYCON), Limassol, Cyprus, June 3-7, 2018 : proceedings 2018 / 5 p. : ill <https://doi.org/10.1109/ENERGYCON.2018.8398775>

Readiness of small energy markets and electric power grids to global health crises: Lessons from the COVID-19 pandemic

Carmon, David; Navon, Aviad; Machlev, Ram; **Belikov, Juri**; Levron, Yoash *IEEE Access* 2020 / art. 9139437, p. 127234–127243 <https://doi.org/10.1109/ACCESS.2020.3008929> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A sophisticated modeling approach for photovoltaic systems in load frequency control

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Stability and eigenvalue sensitivity analysis of a BESS model in a microgrid

Rahmoun, Ahmad; Beg, Nauman; **Rosin, Argo; Biechl, Helmuth** 2018 IEEE International Energy Conference (ENERGYCON 2018) : Limassol, Cyprus 3-7 June 2018 2018 / p. 342-347 : ill <http://dx.doi.org/10.1109/ENERGYCON.2018.8398792>

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Symmetry in the narrow sense: on the linearity and time-invariance of DQ0 models

Segev, Elinor; Ofir, Ron; **Belikov, Juri**; Levron, Yoash *IEEE Transactions on Power Systems* 2023 / p. 1751-1754 <https://doi.org/10.1109/TPWRS.2022.3229873> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Utilizing demand response in load modelling for voltage and reactive power control studies

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Wide-Area applications for enhancement of Estonian power system security

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