

**Aggregated demand-side energy flexibility : a comprehensive review on characterization, forecasting and market prospects**

Plaum, Freddy; Ahmadihangar, Roya; Rosin, Argo; Kilter, Jako Energy reports 2022 / p. 9344-9362

<https://doi.org/10.1016/j.egyr.2022.07.038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Assessment of corona loss performance on aging transmission lines using PMU measurements**

Gupta, Pradeep Kumar; Tuttelberg, Kaur; Kilter, Jako Energy reports 2023 / p. 215-219 <https://doi.org/10.1016/j.egyr.2023.09.160>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparison of deep learning models for multivariate prediction of time series wind power generation and temperature**

Mishra, Sambeet; Bordin, Chiara; Taharaguchi, Kota; Palu, Ivo Energy reports 2020 / p. 273-286

<https://doi.org/10.1016/j.egyr.2019.11.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Congestion control strategies for increased renewable penetration of photovoltaic in LV distribution networks**

Shabbir, Noman; Kütt, Lauri; Astapov, Victor; Husev, Oleksandr; Ahmadihangar, Roya; Wen, Fushuan; Kull, Karl Energy reports 2022 / p. 217-223 <https://doi.org/10.1016/j.egyr.2022.10.184> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A decade of solar PV deployment in ASEAN : policy landscape and recommendations**

Sreenath, Sukumaran; Azmi, Azlin Mohd; Dahlan, Nofri Yenita; Sudhakar, K. Energy reports 2023 / p. 460-469

<https://doi.org/10.1016/j.egyr.2022.05.219>

**Efficient use of heat from CHP distributed by district heating system in district cooling networks**

Pieper, Henrik; Kirs, Tanel; Krupenski, Igor; Ledvanov, Aleksandr; Lepiksaar, Kertu; Volkova, Anna Energy reports 2021 / p. 47-54 <https://doi.org/10.1016/j.egyr.2021.09.041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Feasibility of solar hybrid energy system at a conservation park: Technical, economic, environmental analysis**

Sreenath, Sukumaran; Azmi, Azlin Mohd; Ismail, Zubir Ahmad Mohd Energy reports 2023 / p. 711-719

<https://doi.org/10.1016/j.egyr.2022.11.065>

**Features extraction of wind ramp events from a virtual wind park**

Mishra, Sambeet; Ören, Esin; Bordin, Chiara; Wen, Fushuan; Palu, Ivo Energy reports 2020 / p. 237-249

<https://doi.org/10.1016/j.egyr.2020.08.047> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**5th generation district heating and cooling (5GDHC) implementation potential in urban areas with existing district heating systems**

Volkova, Anna; Pakere, Ieva; Murauskaite, Lina; Huang, Pei; Lepiksaar, Kertu; Zhang, Xinxing Energy reports 2022 / p. 10037-10047 <https://doi.org/10.1016/j.egyr.2022.07.162> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Frequency stability of the Israeli power grid with high penetration of renewable sources and energy storage systems**

Ben Yosef, Gefen; Navon, Aviad; Poliak, Olga; Etzion, Naomi; Gal, Nurit; Belikov, Juri; Levron, Yoash Energy reports 2021 / p. 6148-6161 <https://doi.org/10.1016/j.egyr.2021.09.057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Journal metrics at WOS](#)

**Kolmogorov-Arnold networks for algorithm design in battery energy storage system applications**

Zequera, Rolando Antonio Gilbert; Rassõlkin, Anton; Vaimann, Toomas; Kallaste, Ants Energy Reports 2025 / p. 2664-2677

<https://doi.org/10.1016/j.egyr.2025.02.002>

**Low carbon emission renovation of historical residential buildings**

Kertsmik, Kadri-Ann; Arumägi, Endrik; Hallik, Jaanus; Kalamees, Targo Energy reports 2024 / p. 3836-3847

<https://doi.org/10.1016/j.egyr.2024.03.030>

**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.egyr.2021.11.054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**PF-FEDG : an open-source data generator for frequency disturbance event detection with deep-learning reference classifiers**

Sun, Zhenglong; Ram, Machlev; Jiang, Chao; Wang, Qianchao; Perl, Michael; Belikov, Juri; Levron, Yoash Energy reports 2023 / p. 397-413 <https://doi.org/10.1016/j.egyr.2022.11.182> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Journal metrics at WOS](#)

**Port-Hamiltonian framework in power systems domain : a survey**

Tõnso, Maris; Kaparin, Vadim; Belikov, Juri Energy Reports 2023 / p. 2918 - 2930 <https://doi.org/10.1016/j.egyr.2023.09.077> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Journal metrics at WOS](#)

**A review of low-temperature sub-networks in existing district heating networks : examples, conditions, replicability**

Puschnigg, Stefan; Jauschnik, Gabriela; Moser, Simon; **Volkova, Anna**; Linhart, Matthias Energy Reports 2021 / p. 18-26 : ill  
<https://doi.org/10.1016/j.egy.2021.09.044> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Transition towards university campus carbon neutrality by connecting to city district heating network**

Hiltunen, Pauli; **Volkova, Anna**; **Latšov, Eduard**; **Lepiksaar, Kertu**; Syri, Sanna Energy reports 2022 / p. 9493-9505  
<https://doi.org/10.1016/j.egy.2022.07.055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Uses of the digital twins concept for energy services, intelligent recommendation systems, and demand side management : a review**

**Onile, Abiodun Emmanuel**; Machlev, Ram; **Petlenkov, Eduard**; Levron, Yoash; **Belikov, Juri** Energy reports 2021 / p. 997-1015  
<https://doi.org/10.1016/j.egy.2021.01.090> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)