

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

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Aggregated energy flexibility provision using residential heat pumps

Plaum, Freddy; Ahmadihangar, Roya; Rosin, Argo 2022 IEEE 16th International Conference on Compatibility, Power

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AI technologies and their applications in small-scale electric power systems

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Assessment of power system asset dispatch under different local energy community business models

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Flywheel model for microgrid simulation

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Info-gap-based optimization of microgrids integrated with power, cooling and hydrogen generation units

Mahmoudnezhad, Fayeze; Mirzaei, Mohammad Amin; Plaum, Freddy; Ahmadihangar, Roya; Kilter, Jako; Rosin, Argo

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Local energy community power system asset dispatch optimization

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Novel quantification method of aggregated energy flexibility based on power-duration curves

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