

Aggregated energy flexibility provision using residential heat pumps

Plaum, Freddy; Ahmadiyahangar, Roya; Rosin, Argo 2022 IEEE 16th International Conference on Compatibility, Power Electronics, and Power Engineering (CPE-POWERENG) 2022 / 5 | <https://doi.org/10.1109/CPE-POWERENG54966.2022.9880898>

Coupling of the electricity and district heat generation sectors with building stock energy retrofits as a measure to reduce carbon emissions

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Decarbonization strategies of Helsinki metropolitan area district heat companies

Su, Yijie; **Hiltunen, Pauli; Syri, Sanna**; Khatiwada, Dilip Renewable and Sustainable Energy Reviews 2022 / Art. 112274 <https://doi.org/10.1016/j.rser.2022.112274> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Emissions and power demand in optimal energy retrofit scenarios of the Finnish building stock by 2050

Hirvonen, Janne; Heljo, Juhani; **Jokisalo, Juha**; Kurvinen, Antti; Saari, Arto; Niemelä, Tuomo; Sankelo, Paula; **Kosonen, Risto** Sustainable cities and society 2021 / art. 102896, 22 p. : ill <https://doi.org/10.1016/j.scs.2021.102896> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energy supply and storage optimization for mixed-type buildings

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Method of linear approximation of COP for heat pumps and chillers based on thermodynamic modelling and off-design operation

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