

Comparison of COP estimation methods for large-scale heat pumps used in energy planning

Pieper, Henrik; Ommen, Torben; Kjær Jensen, Jonas Energy 2020 / art. 117994, 13 p. : ill <https://doi.org/10.1016/j.energy.2020.117994>

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.egy.2021.09.041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

GIS-based approach to identifying potential heat sources for heat pumps and chillers providing district heating and cooling

Pieper, Henrik; Lepiksaar, Kertu; Volkova, Anna International Journal of Sustainable Energy Planning and Management 2022 / p. 29-44 <https://doi.org/10.54337/ijsepm.7021> [Journal metrics at Scopus](#) [Article at Scopus](#)

Heat pump potential in the Baltic States

Volkova, Anna; Pieper, Henrik; Koduvere, Hardi; Lepiksaar, Kertu; Siirde, Andres 2021 <https://pub.norden.org/nordicenergyresearch2021-02/>

Large-scale heat pumps for district heating systems in the Baltics : potential and impact

Volkova, Anna; Koduvere, Hardi; Pieper, Henrik Renewable and sustainable energy reviews 2022 / art. 112749 <https://doi.org/10.1016/j.rser.2022.112749> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Pieper, Henrik; Krupenski, Igor; Markussen, Wiebke Brix; Ommen, Torben; Siirde, Andres; Volkova, Anna Energy 2021 / art. 120743 : ill <https://doi.org/10.1016/j.energy.2021.120743> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling framework for integration of large-scale heat pumps in district heating using low-temperature heat sources : A case study of Tallinn, Estonia

Pieper, Henrik; Mašatin, Vladislav; Volkova, Anna; Ommen, Torben; Elmegaard, Brian; Markussen, Wiebke Brix International journal of sustainable energy planning and management 2019 / p. 67–86 : ill <https://doi.org/10.5278/ijsepm.2019.20.6> [Journal metrics at Scopus](#) [Article at Scopus](#)

Optimal design and dispatch of electrically driven heat pumps and chillers for a new development area

Pieper, Henrik; Ommen, Torben; Elmegaard, Brian; Volkova, Anna; Markussen, Wiebke Brix Environmental and Climate Technologies 2021 / p. 470–482 : ill <https://doi.org/10.2478/rtuct-2020-0117> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Small low-temperature district heating network development prospects

Volkova, Anna; Krupenski, Igor; Pieper, Henrik; Ledvanov, Aleksandr; Latõšov, Eduard; Siirde, Andres Energy 2019 / p. 714-722 <https://doi.org/10.1016/j.energy.2019.04.083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uuring: Balti riikide looduslikud ja tööstuslikud soojusallikad on alakasutatud

Mente et Manu 2021 / lk. 13 https://www.ester.ee/record=b1242496*est