

**Analytical approach for maximizing self-consumption of nearly zero energy buildings- case study : Baltic region**  
**Ahmadihangar, Roya; Karami, Hossein; Husev, Oleksandr; Blinov, Andrei; Rosin, Argo; Jonaitis, Audrius; Sanjari, Mohammad Javad** Energy 2022 / art. 121744, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.121744> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Aqueous mineral carbonation of oil shale mine waste (limestone) : a feasibility study to develop a CO2 capture sorbent**  
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**Catalytic effect of oil shale ash on CO2 gasification of leached wheat straw and reed chars**  
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**Comparative assessment of heat recovery from treated wastewater in the district heating systems of the three capitals of the Baltic countries**

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

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**Converting Tallinn's historic centre's (Old Town) heating system to a district heating system**

**Volkova, Anna; Krupenski, Igor; Kovtunova, Natalja; Hlebnikov, Aleksandr; Mašatin, Vladislav; Ledvanov, Aleksandr** Energy 2023 / art. 127429 <https://doi.org/10.1016/j.energy.2023.127429> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Direct aqueous carbonation on olivine at a CO2 partial pressure of 6.5 MPa**

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**Energy cascade connection of a low-temperature district heating network to the return line of a high-temperature district heating network**

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**Energy supply and storage optimization for mixed-type buildings**

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**Extra cost analyses of two apartment buildings for achieving nearly zero and low energy buildings**

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**Forecasting annual electric power consumption using a random parameters model with heterogeneity in means and variances**

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**High-strength fuel pellets made of flour milling and coal slack wastes**

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**Low-temperature waste heat enabling abandoning coal in Espoo district heating system**

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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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**Multi-source district heating system full decarbonization strategies: Technical, economic, and environmental assessment**

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**Oil prices, unemployment and the financial crisis in oil-importing countries : The case of Spain**

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**Operation of district heat network in electricity and balancing markets with the power-to-heat sector coupling**

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**Optimization of renewable energy for buildings with energy storages and 15-minute power balance**

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**Parameter estimation of PEM fuel cells employing the hybrid grey wolf optimization method**

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**Realisation of energy performance targets of an old apartment building renovated to nZEB**

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**Techno-economic analysis and energy forecasting study of domestic and commercial photovoltaic system installations in Estonia**

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