

CO2 emission intensity of the Estonian DH sector

Latõšov, Eduard; Umbleja, Siim; Volkova, Anna Smart Energy 2022 / art. 100070 <https://doi.org/10.1016/j.segy.2022.100070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Comparative assessment of heat recovery from treated wastewater in the district heating systems of the three capitals of the Baltic countries

Ziemele, Jelena; Volkova, Anna; Latõšov, Eduard; Murauskaite, Lina; Džiuvė, Vytautas Energy 2023 / art. 128132 <https://doi.org/10.1016/j.energy.2023.128132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrosive effects of H₂S and NH₃ on natural gas piping systems manufactured of carbon steel

Latõšov, Eduard; Maaten, Birgit; Looerts, Mihkel; Volkova, Anna; Soosaar, Sulev Energy procedia 2017 / p. 316-323 <https://doi.org/10.1016/j.egypro.2017.08.319> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Development of a user-friendly mobile app for the national level promotion of the 4th generation district heating

Volkova, Anna; Latõšov, Eduard; Mašatin, Vladislav; Siirde, Andres International journal of sustainable energy planning and management 2019 / p. 21–36 : ill <https://doi.org/10.5278/ijsepm.2019.20.3> [Journal metrics at Scopus](#) [Article at Scopus](#)

District cooling network planning. A case study of Tallinn

Volkova, Anna; Hlebnikov, Aleksandr; Ledvanov, Aleksandr; Kirs, Tanel; Raudsepp, Urmas; Krupenski, Igor; Latõšov, Eduard International Journal of Sustainable Energy Planning and Management 2022 / p. 63-78 : ill <https://doi.org/10.54337/ijsepm.7011> [Journal metrics at Scopus](#) [Article at Scopus](#)

The effect of exhaust air heat pump on district heat energy use and return temperature

Thalfeldt, Martin; Kurnitski, Jarek; Latõšov, Eduard CLIMA 2016 - proceedings of the 12th REHVA World Congress. Vol. 3 2016 / [10] p. : ill http://vbn.aau.dk/files/233716910/paper_343.pdf

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

Volkova, Anna; Krupenski, Igor; Ledvanov, Aleksandr; Hlebnikov, Aleksandr; Lepiksaar, Kertu; Latõšov, Eduard; Mašatin, Vladislav Energy 2020 / art. 117304, 15 p. : ill <https://doi.org/10.1016/j.energy.2020.117304> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energy performance of the Serbian and Estonian family house with a selective absorption facade

Lukic, N.; Nešovic, A.; Nikolic, N.; Siirde, Andres; Volkova, Anna; Latõšov, Eduard IOP conference series : materials science and engineering 2019 / art. 012047, 10 p. : ill <https://doi.org/10.1088/1757-899X/659/1/012047> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Enhanced selection of biofuel small-scale combined heat and power plant [Electronic resource]

Latõšov, Eduard; Siirde, Andres The 6th Annual Conference of Young Scientists on Energy Issues : CYSENI 2009 : Kaunas, 28-29 May 2009 : conference proceedings 2009 / ? p. [CD-ROM]

Evaluation factor for district heating network heat loss with respect to network geometry

Mašatin, Vladislav; Latõšov, Eduard; Volkova, Anna Energy procedia 2016 / p. 279-285 : ill <https://doi.org/10.1016/j.egypro.2016.09.069> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Exhaust air heat pump connection schemes and balanced heat recovery ventilation effect on district heat energy use and return temperature

Thalfeldt, Martin; Kurnitski, Jarek; Latõšov, Eduard Applied thermal engineering 2018 / p. 402-414 : ill <https://doi.org/10.1016/j.applthermaleng.2017.09.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Feasibility of thermal energy storage integration into biomass CHP-based district heating system

Volkova, Anna; Latõšov, Eduard; Andrijaškin, Maksim; Siirde, Andres Chemical engineering transactions 2018 / p. 499-504 : ill <https://doi.org/10.3303/CET1870084> [Journal metrics at Scopus](#) [Article at Scopus](#)

GIS-based optimisation for district heating network planning

Tšitšerin, Stanislav; Volkova, Anna; Latõšov, Eduard Energy procedia 2018 / p. 635-641 : ill <https://doi.org/10.1016/j.egypro.2018.08.228> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Heat load model for small-scale CHP planning

Latõšov, Eduard; Siirde, Andres Proceedings of International Conference on Renewable Energies and Power Quality(ICREPQ'10) : Granada (Spain), 23th to 25th March, 2010 2010 / [4] p.: ill. [CD-ROM] https://www.researchgate.net/publication/318117834_Heat_load_model_for_small-scale_CHP_planning

Heat storage combined with biomass CHP under the national support policy. A case study of Estonia

Volkova, Anna; Latõšov, Eduard; Siirde, Andres Environmental and Climate Technologies 2020 / p. 171–184 <https://doi.org/10.2478/rtuect-2020-0011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of grid gas requirements on hydrogen blending levels

Latõšov, Eduard; Pakere, Ieva; Murauskaite, Lina; **Volkova, Anna** Environmental and Climate Technologies 2021 / P. 688-699
<https://doi.org/10.2478/rtuct-2021-0052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The impact of parallel energy consumption on the district heating networks

Latõšov, Eduard; Siirde, Andres; **Volkova, Anna**; Thalfeldt, Martin; Kurnitski, Jarek Environmental and Climate Technologies 2019 / 13 p. : ill <https://doi.org/10.2478/rtuct-2019-0001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improvement of district heating network energy efficiency by pipe insulation renovation with PUR foam shells

Mašatin, Vladislav; **Volkova, Anna**; Hlebnikov, Aleksandr; **Latõšov, Eduard** Energy procedia 2017 / p. 265-269 : ill
<https://doi.org/10.1016/j.egypro.2017.04.064> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Improving CHP flexibility by integrating thermal energy storage and power-to-heat technologies into the energy system

Lepiksaar, Kertu; Mašatin, Vladislav; **Latõšov, Eduard**; Siirde, Andres; **Volkova, Anna** Smart energy 2021 / art. 100022
<https://doi.org/10.1016/j.segy.2021.100022>

The influence of O2 and CO2 on the possible corrosion on steel transmission lines of natural gas

Latõšov, Eduard; Maaten, Birgit; Siirde, Andres; Konist, Alar Energy procedia 2018 / p. 63-70 : ill
<https://doi.org/10.1016/j.egypro.2018.07.034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Jätkusuutlik kaugküte : digitaalne õpik

Volkova, Anna; **Latõšov, Eduard**; Mašatin, Vladislav; Krupenski, Igor; Siirde, Andres 2022
<https://digikogu.taltech.ee/et/Item/5dd01aa2-609e-40ee-9927-4b708315faa1> https://www.ester.ee/record=b5491563*est

Methodological approach to determining the effect of parallel energy consumption on district heating system

Latõšov, Eduard; **Volkova, Anna**; Siirde, Andres; Kurnitski, Jarek; Thalfeldt, Martin Environmental and Climate Technologies 2017 / p. 5-14 : ill <https://doi.org/10.1515/rtuct-2017-0001> [Journal metrics at Scopus](#) [Article at Scopus](#)

Mida tõhusa kaugkütte märgis tegelikult tähendab?

Latõšov, Eduard Ehitusuudised : [ajalehe Äripäev lisa] 2022 / Lk. 14 <https://dea.digar.ee/article/apehitus/2022/05/12/16.2>

Model for the analysis of combined heat and power production = Soojuse ja elektri koostootmise analüüsi mudel

Latõšov, Eduard 2011

Planning of district heating regions in Estonia

Volkova, Anna; **Latõšov, Eduard**; Lepiksaar, Kertu; Siirde, Andres International journal of sustainable energy planning and management 2020 / p. 5-16 : ill <https://doi.org/10.5278/ijsepm.3490> [Journal metrics at Scopus](#) [Article at Scopus](#)

Possibilities of using biofuel small scale combined heat and power plants in Estonia

Latõšov, Eduard; Siirde, Andres 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 89-92 : ill

Primary energy factor for district heating networks in European Union member states

Latõšov, Eduard; **Volkova, Anna**; Siirde, Andres; Kurnitski, Jarek; Thalfeldt, Martin Energy procedia 2017 / p. 69-77 : ill
<https://doi.org/10.1016/j.egypro.2017.05.056> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Primary energy factors for different district heating networks: an Estonian example

Latõšov, Eduard; Kurnitski, Jarek; Thalfeldt, Martin; **Volkova, Anna** Energy procedia 2016 / p. 674-684 : ill
<https://doi.org/10.1016/j.egypro.2016.09.126> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Primary method for reduction of SO2 emission and its impact on CO2 in pulverized oil shale-fired boilers at Narva Power Plant

Kleesmaa, Jüri; **Latõšov, Eduard**; Karolin, Robert Oil shale 2011 / 2, p. 321-336 : ill https://artiklid.elnet.ee/record=b2413850*est

Primary method for reduction of SO2 emission in pulverized oil shale-fired boilers at Narva power plants : test 1 - water injection after superheater

Karolin, Robert; **Latõšov, Eduard**; Kleesmaa, Jüri Oil shale 2017 / p. 70-81 : ill <https://doi.org/10.3176/oil.2017.1.05>
https://artiklid.elnet.ee/record=b2816466*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Promoting efficient district heating in Estonia

Latõšov, Eduard; Umbleja, Siim; **Volkova, Anna** Utilities policy 2022 / art. 101332, 9. : ill <https://doi.org/10.1016/j.jup.2021.101332>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Puidukütusel põhineva kaugkütte süsinikuheide on negatiivne

TööstusEST 2022 / lk. 19 : ill http://www.ester.ee/record=b4481084*est <https://toostusest.ee/ajakirjad/>

Selection of the most appropriate regions for wood fuel based cogeneration plants using multicriteria decision analysis methods

Volkova, Anna; Latõšov, Eduard; Siirde, Andres International journal of energy 2010 / 2, p. 29-36 : ill

https://www.researchgate.net/publication/267689284_Selection_of_the_most_appropriate_regions_for_wood_fuel_based_cogeneration_plants_using_multi-criteria_decision_analysis_methods

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](#)

Small-scale CHP potential in Latvia and Estonia

Volkova, Anna; Latõšov, Eduard; Siirde, Andres Scientific proceedings of Riga Technical University. 13, Environmental and climate technologies 2009 / p. 127-134 https://www.researchgate.net/publication/250167446_Small-Scale_Ch_p_Potential_in_Latvia_and_Estonia

Technical improvement potential of large district heating network : application to the case of Tallinn, Estonia

Latõšov, Eduard; Volkova, Anna; Hlebnikov, Aleksandr; Siirde, Andres Energy procedia 2018 / p. 337-344 : ill

<https://doi.org/10.1016/j.egypro.2018.08.197> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Tehniliste paigaldiste termiline isoleerimine [Võrguteavik] : torustikud, mahutid ja seadmed. Soojusisolatsiooni teostus = Thermal insulation of technical equipment : insulation of pipes, vessels and equipment. Application of thermal insulation

2020 https://www.ester.ee/record=b5381894*est

Tehniliste paigaldiste termiline isoleerimine. Osa 1, Torustikud, mahutid ja seadmed. Isolatsioonimaterjalid ja -elemendid [Võrguteavik] = Thermal insulation of technical equipment. Part 1, Insulation of pipes, vessels and equipment. Insulating materials and elements

2020 https://www.ester.ee/record=b5381873*est

Tehniliste paigaldiste termiline isoleerimine. Osa 6, Torustikud, mahutid ja seadmed. Külmaisolatsioon [Võrguteavik] = Thermal insulation of technical equipment. Part 6, Insulation of pipes, vessels and equipment. Cold insulation

2020 https://www.ester.ee/record=b5381882*est

The impact of pollution charges, ash handling and carbon dioxide to cost competitiveness of fuel sources for energy production in Estonia

Latõšov, Eduard; Kleesmaa, Jüri; Siirde, Andres Scientific journal of Riga Technical University. Serija 13, Environmental and climate technologies 2010 / p. 58-63 : ill <https://sciendo.com/article/10.2478/v10145-010-0019-2>

The impact of subsidy mechanisms on biomass and oil shale based electricity cost prices

Latõšov, Eduard; Volkova, Anna; Siirde, Andres Oil shale 2011 / 1S, p. 140-151 : ill https://artiklid.elnet.ee/record=b2286561*est

The potential of thermal energy storage technologies in district heating system in Estonia

Volkova, Anna; Latõšov, Eduard; Andrijaškin, Maksim; Siirde, Andres Energy procedia 2017 / 8 p. : ill

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

Hiltunen, Pauli; Volkova, Anna; Latõšov, 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](#)

Use of absorption heat pumps to raise district cooling waste heat temperature for district heating supply in Tallinn : technical and economic analysis

Kirs, Tanel; Sukumaran, Sreenath; Latõšov, Eduard; Volkova, Anna Environmental and Climate Technologies 2024 / p. 409-421 <https://doi.org/10.2478/rtuct-2024-0032> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Use of multi-criteria decision analysis for choosing an optimal location for a wood fuel based cogeneration plant : a case study in Estonia

Volkova, Anna; Latõšov, Eduard; Siirde, Andres Selected Topics in Energy, Environment, Sustainable Development and Landscaping : 6th WSEAS International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD '10), 3rd WSEAS International Conference on Landscape Architecture (LA '10) : Politehnica University of Timisoara, Romania, October 21-23, 2010 2010 / p. 89-94 : ill

Латышов: новые мощности надо строить без дотаций [Online resource]

Latõšov, Eduard Stolitsa.ee 2022 ["Латышов: новые мощности надо строить без дотаций "](#)