

AFM nanoshaving of covalently modified graphite for studying molecular self-assembly under lateral nanoconfinement
Steeno, Roelof; Van Gorp, Hans; **Walke, Peter**; Mali, Kunal S.; De Feyter, Steven Journal of physical chemistry C 2021 / p. 21624-21634 <https://doi.org/10.1021/acs.jpcc.1c05700> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Aggregated demand-side energy flexibility : a comprehensive review on characterization, forecasting and market prospects

Plaum, Freddy; Ahmadiyahangar, Roya; Rosin, Argo; Kilter, Jako Energy reports 2022 / p. 9344-9362

<https://doi.org/10.1016/j.egy.2022.07.038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Air change efficiency of room ventilation units

Mikola, Alo; Rehand, Juhan; Kurnitski, Jarek E3S Web of Conferences : CLIMA 2019 Congress, Bucharest, Romania, May 26-29, 2019 2019 / art. 01017, 8 p <https://doi.org/10.1051/e3sconf/201911101017> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Air leakage of concrete floor and foundation junctions

Alev, Üllar; Antsov, Peeter; Kalamees, Targo Energy procedia 2015 / p. 2046-2051 : ill <https://doi.org/10.1016/j.egypro.2015.11.217> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Airtightness improvement solutions for log wall joints

Alev, Üllar; Uus, Andres; Kalamees, Targo Energy procedia 2017 / p. 861-866 : ill <https://doi.org/10.1016/j.egypro.2017.09.678> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Aminocatalysts are more environmentally friendly than hydrogen-bonding catalysts

Sihtmäe, Mariliis; Silm, Estelle; Kriis, Kadri; Kahru, Anne; Kanger, Tõnis ChemSusChem 2022 / art. e202201045, 5 p. : ill <https://doi.org/10.1002/cssc.202201045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of causes of the end of service life of a spray polyurethane foam and polyurea roof

Kalamees, Targo; Ilomets, Simo; Põldaru, Mattias; Klõšeiko, Paul; Kallavus, Urve; Rosenberg, Margit; Öiger, Karl E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 15002, 6 p. : ill <https://doi.org/10.1051/e3sconf/202017215002> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Analysis of energy economic renovation for historic wooden apartment buildings in cold climates

Arumägi, Endrik; Kalamees, Targo Applied energy 2014 / p. 540-548 : ill <https://doi.org/10.1016/j.apenergy.2013.10.041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analyzing energy flexibility by demand response in a Finnish district heated apartment building

Ju, Yuchen; Jokisalo, Juha; Kosonen, Risto; Kauppi, Ville; Janßen, Philipp E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 09006, 7 p. : ill <https://doi.org/10.1051/e3sconf/202124609006> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

Analytical approach for maximizing self-consumption of nearly zero energy buildings- case study : Baltic region

Ahmadiyahangar, 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](#)

Annual performance analysis of heat emission in radiator and underfloor heating systems in the European reference room

Võsa, Karl-Villem; Ferrantelli, Andrea; Kurnitski, Jarek E3S Web of Conferences : CLIMA 2019 Congress, Bucharest, Romania, May 26-29, 2019 2019 / art. 04009, 8 p <https://doi.org/10.1051/e3sconf/201911104009> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Aqueous mineral carbonation of oil shale mine waste (limestone) : a feasibility study to develop a CO2 capture sorbent

Puthiya Veetil, Sanoop Kumar; Rebane, Kaarel; Yörük, Can Rüstü; Lopp, Margus; Trikkel, Andres; Hitch, Michael William Energy 2021 / art. 119895 <https://doi.org/10.1016/j.energy.2021.119895> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of corona loss performance on aging transmission lines using PMU measurements

Gupta, Pradeep Kumar; Tuttelberg, Kaur; Kilter, Jako Energy reports 2023 / p. 215-219 <https://doi.org/10.1016/j.egy.2023.09.160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of downward draught in high-glazing facades in cold climates – experimental and CFD study into draught control with a 21-type radiator

Võsa, Karl-Villem; Ferrantelli, Andrea; Kurnitski, Jarek E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 02002, 8 p. : ill <https://doi.org/10.1051/e3sconf/202124602002> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Assessment of durability of environmentally friendly wood-based panels

Kallavus, Urve; Järv, Hele; Kalamees, Targo; Kurik, Lembit Energy procedia 2017 / p. 207–212 : ill
<https://doi.org/10.1016/j.egypro.2017.09.756> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Assessment of retrofit measures for industrial halls: energy efficiency and renovation budget estimation
Simson, Raimo; Fadejev, Jevgeni; Kurnitski, Jarek; Kesti, Jyrki; Lautso, Petteri Energy procedia 2016 / p. 124-133 : ill
<https://doi.org/10.1016/j.egypro.2016.09.114> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Behavior of wooden based insulations at high temperatures
Tiso, Mattia; Just, Alar; Mäger, Katrin Nele Energy procedia 2016 / p. 729-737 : ill <https://doi.org/10.1016/j.egypro.2016.09.135>
[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Building performance indicators and IEQ assessment procedure for the next generation of EPC-s
Võsa, Karl-Villem; Ferrantelli, Andrea; Tzanev, Dragomir; Simeonov, Kamen; Carnero, Pablo; Espigares, Carlos; Navarro Escudero, Miriam; Quiles, Pedro Vicente; Andrieu, Thibault; Battezzati, Florian; Kurnitski, Jarek E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 13003, 9 p <https://doi.org/10.1051/e3sconf/202124613003> [Conference Proceedings at Scopus](#)
[Article at Scopus](#) [Article at WOS](#)

Calculation and compliance procedures of thermal bridges in energy calculations in various European countries
Kuusk, Kalle; Kurnitski, Jarek; Kalamees, Targo Energy procedia 2017 / p. 27-32 : ill <https://doi.org/10.1016/j.egypro.2017.09.626>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Capillary condensation experiment for inverse modelling of porous building materials
Hirsch, Hauke; Heyn, Rüdiger; Klõšeiko, Paul E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 17003, 7 p. : ill <https://doi.org/10.1051/e3sconf/202017217003> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Carbon capture and fixation using lime-containing wastes : the influence of aqueous phase composition on Ca dissolution from oil shale ash
Uibu, Mai; Kuusik, Rein, keemik Energy procedia 2013 / p. 5913-5920 : ill <https://doi.org/10.1016/j.egypro.2013.06.517> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Carbon dioxide emission factors for oxy-fuel CFBC and aqueous carbonation of the Ca-rich oil shale ash
Loo, Lauri; Maaten, Birgit; Konist, Alar; Siirde, Andres; Nešumajev, Dmitri; Pihu, Tõnu Energy procedia 2017 / p. 144-149 : ill
<https://doi.org/10.1016/j.egypro.2017.09.034> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Catalytic effect of oil shale ash on CO₂ gasification of leached wheat straw and reed chars
Link, Siim; Tran, Khanh-Quang; Bach, Quang-Vu; Yrjas, Patrik; Rosin, Argo Energy 2018 / p. 906-913
<https://doi.org/10.1016/j.energy.2018.04.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

CCS Directive transposition into national laws in Europe: Progress and problems by the end of 2011
Šogenova, Alla; Piessens, Kris; Ivask, Jüri; Šogenov, Kazbulat; Martínez, Robertor; Flomes, Kristin M.; Poulsen, Niels E.; Wójcicki, Adam; Šliaupa, Saulius; Kucharč, Ludovit; Dudu, Alexandra; Persoglia, Sergio; Holloway, Sam; Saffic, Bruno GHGT-11 Proceedings of the 11th International Conference on Greenhouse Gas Control Technologies, 18-22 November 2012, Kyoto, Japan 2013 / p. 7723 - 7731 <https://doi.org/10.1016/j.egypro.2013.06.718> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Challenges, benefits, and open questions in data-driven commercial building cooling optimization
Sukhanov, Ivan; Volkova, Anna; Köse, Ahmet; Hani, Allan; Petlenkov, Eduard E3S Web of Conferences : BuildSim Nordic 2024 2024 / art. 06003 <https://doi.org/10.1051/e3sconf/202456206003> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Chloromethylation of lignin as a route to functional material with catalytic properties in cross-coupling and click reactions
Mohan, Mahendra Kothottil; Silenko, Oleg; Krasnou, Illia; Volobujeva, Olga; Kulp, Maria; Ošeka, Maksim; Lukk, Tiit; Karpichev, Yevgen ChemSusChem 2024 / art. e202301588 <https://doi.org/10.1002/cssc.202301588> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

CO₂ mineralisation : concept for co-utilization of oil shale energetics waste streams in CaCO₃ production
Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik Energy procedia 2013 / p. 5921-5928 : ill
<https://www.sciencedirect.com/science/article/pii/S1876610213007613> <https://doi.org/10.1016/j.egypro.2013.06.518> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

CO₂ mineralisation : production of CaCO₃-type material in a continuous flow disintegrator-reactor
Velts, Olga; Kindsigo, Merit; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik Energy procedia 2014 / p. 5904-5911 : ill
<https://doi.org/10.1016/j.egypro.2014.11.625> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Collaborative project management framework for partner network initiation
Ševtšenko, Eduard; Poljantšikov, Igor; Mahmood, Kashif; Kangilaski, Taivo; Norta, Alexander Procedia engineering 2015 / p. 159-168 : ill <https://doi.org/10.1016/j.proeng.2015.01.354> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A comparative analysis of NZEB energy performance requirements for residential buildings in Denmark, Estonia and Finland

Simson, Raimo; Thomsen, Kirsten Engelund; Wittchen, Kim Bjarne; **Kurnitski, Jarek** E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 14001, 12 p. : ill <https://doi.org/10.1051/e3sconf/202124614001> [Conference Proceedings 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; Džiue, 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](#)

A comparative framework for cyber threat modelling: case of healthcare and industrial control systems

Balogun, Taofeek Mobolarinwa; **Bahsi, Hayretidin;** Keskin, Omer F.; Tatar, Unal International Journal of Critical Infrastructures 2023 / p. 405-431 <https://doi.org/10.1504/IJCS.2023.133282> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative study of CdS films annealed in neutral, oxidizing and reducing atmospheres

Maticiu, Natalia; Kuk, Mart; Spalatu, Nicolae; Potlog, Tamara; Krunks, Malle; Valdna, Vello; Hiie, Jaan Energy procedia 2014 / p. 77-84 : ill <https://doi.org/10.1016/j.egypro.2013.12.012> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Comparative study of using periodic daily and long-term weather data for cooling system sizing and impact of thermal mass

Seyed Salehi, Seyed Shahabaldin; Kurnitski, Jarek; Thalfeldt, Martin E3S Web Conference: BuildSim Nordic 2022 2022 / art. 06002 <https://doi.org/10.1051/e3sconf/202236206002> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Comparison of deep learning models for multivariate prediction of time series wind power generation and temperature

Mishra, Sambheet; Bordin, Chiara; Taharaguchi, Kota; **Palu, Ivo** Energy reports 2020 / p. 273-286 <https://doi.org/10.1016/j.egy.2019.11.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of simplified and detailed window models in office building energy simulations

Thalfeldt, Martin; Kurnitski, Jarek; Voll, Hendrik Energy procedia 2015 / p. 2076-2081 : ill <https://doi.org/10.1016/j.egypro.2015.11.235> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Concept for Energy Security Matrix

Kisel, Einari; Hamburg, Arvi; Härm, Mihkel; Leppiman, Ando; Ots, Märt Energy policy 2016 / p. 1-9 : ill <https://doi.org/10.1016/j.enpol.2016.04.034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Congestion control strategies for increased renewable penetration of photovoltaic in LV distribution networks

Shabbir, Noman; Kütt, Lauri; Astapov, Victor; Husev, Oleksandr; Ahmadiyahangar, Roya; Wen, Fushuan; Kull, Karl Energy reports 2022 / p. 217-223 <https://doi.org/10.1016/j.egy.2022.10.184> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Continuous automated ventilation heat recovery efficiency performance assessment using building monitoring system

Kull, Tuule Mall; Mikola, Alo; Tukia, Andres; Köse, Ahmet; Petlenkov, Eduard; Thalfeldt, Martin E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 10006, 10 p. : ill <https://doi.org/10.1051/e3sconf/202124610006> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Contributions to ventilation system demand response: a case study of an educational building

Maask, Vahur; Mikola, Alo; Korõtko, Tarmo; Rosin, Argo; Thalfeldt, Martin E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 11001, 6 p <https://doi.org/10.1051/e3sconf/202124611001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

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

Latõšov, Eduard; Maaten, Birgit; Loorits, 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](#)

Cost reduction of the new NZEB Wooden building – case study of the kindergarten in Estonia

Arumägi, Endrik; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 13002, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017213002> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Cost-benefit analysis of nZEB energy efficiency strategies with on-site photovoltaic generation

Pikas, Ergo; Kurnitski, Jarek; Thalfeldt, Martin; Koskela, Lauri Energy 2017 / p. 291-301 : ill

<https://doi.org/10.1016/j.energy.2017.03.158> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Crystalline structure, surface morphology and optical properties of nanolamellar composites obtained by intercalation of InSe with Cd

Untila, Dumitru; Caraman, Iuliana; Evtodiev, Igor; Spalatu, Nicolae Energy procedia 2015 / p. 149-155 : ill

<https://doi.org/10.1016/j.egypro.2015.12.308> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Danish, Estonian and Finnish NZEB requirements comparison with European Commission recommendations for office buildings in Nordic and Oceanic climates

Simson, Raimo; Arumägi, Endrik; Thomsen, Kirsten Engelund; Wittchen, Kim Bjarne; Kurnitski, Jarek E3S Web Conferences : The 16th ROOMVENT Conference (ROOMVENT 2022) 2022 / art. 01017 <https://doi.org/10.1051/e3sconf/202235601017> [Conference proceedings at Scopus](#) [Article at Scopus](#)

<https://doi.org/10.1051/e3sconf/202235601017> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Data-driven model for real-time evaluating capacity of commercial buildings to participate in the demand response

Belikov, Juri; Matskevich, Aliaksei; Köse, Ahmet; Petlenkov, Eduard E3S Web of Conferences : BuildSim Nordic 2024 2024 / art. 04001, 12 p <https://doi.org/10.1051/e3sconf/202456204001> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

<https://doi.org/10.1051/e3sconf/202456204001> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Day-ahead economical planning of multi-vector energy district considering demand response program

Ghasemi-Marzbali, Ali; Shafiei, Mohammad; Ahmadihangar, Roya Applied energy 2023 / art. 120351

<https://doi.org/10.1016/j.apenergy.2022.120351> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Decarbonisation of Estonian oil shale industry : framework and categories definition

Eldermann, Meelis; Siirde, Andres; Gušča, Julija Energy procedia 2017 / p. 77-81 : ill <https://doi.org/10.1016/j.egypro.2017.04.020> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

<https://doi.org/10.1016/j.egypro.2017.04.020> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Design criteria for outdoor air intakes and exhaust air outlets located on an external wall

Palmiste, Ülar; Kurnitski, Jarek; Voll, Hendrik E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 9008, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017209008> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

<https://doi.org/10.1051/e3sconf/202017209008> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Determination of biomass content in combusted municipal waste and associated CO2 emissions in Estonia

Moora, Harri; Roos, Inge; Kask, Ülo; Kask, Livia; Õunapuu, Kerlin Energy procedia 2017 / p. 222-229 : tab

<https://doi.org/10.1016/j.egypro.2017.09.059> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Determination of hygrothermal performance of clay-sand plaster : influence of covering on sorption and water vapour permeability

Vares, Olgerd; Ruus, Aime; Raamets, Jane; Tungel, Ernst Energy procedia 2017 / p. 267-272 : ill

<https://doi.org/10.1016/j.egypro.2017.09.719> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Determination of the impedance of lithium-ion batteries using methods of digital signal processing

Rahmoun, Ahmad; Loske, Moritz; Rosin, Argo Energy procedia 2014 / p. 204-213 : ill <https://doi.org/10.1016/j.egypro.2014.01.174> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

<https://doi.org/10.1016/j.egypro.2014.01.174> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Development of prefabricated insulation elements for buildings with aerated autoclaved concrete walls

Pihelo, Peep; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 18001, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017218001> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

<https://doi.org/10.1051/e3sconf/202017218001> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Li, Jiajie; Jacobs, Anthony D.; Hitch, Michael William Energy 2019 / p. 902-910 : ill <https://doi.org/10.1016/j.energy.2019.02.125> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

<https://doi.org/10.1016/j.energy.2019.02.125> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Do we need human capital heterogeneity for energy efficiency and innovativeness? Insights from European catching-up territories

Prokop, Viktor; Gerstlberger, Wolfgang Dieter; Zapletal, David; Gyamfi, Solomon Energy policy 2023 / art. 113565, 16 p

<https://doi.org/10.1016/j.enpol.2023.113565> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Driving decarbonisation of the EU building stock by enhancing a consumer centred and locally based circular renovation process

Tisov, Ana; Kuusk, Kalle; Navarro Escudero, Miriam; Pihelo, Peep; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020

<https://doi.org/10.1051/e3sconf/202017218006> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Economic features of the use of electric vehicles in delivery services in Estonia

Prokopenko, Olha; Järvis, Marina; Prause, Gunnar Klaus; Kara, Inna; Kyrychenko, Hanna; Kochubei, Oleksandr; Prokopenko, Maryna International Journal of Energy Economics and Policy 2022 / p. 340-349 <https://doi.org/10.32479/ijeeep.13617> [Journal metrics at Scopus](#) [Article at Scopus](#)

Editorial

Kurnitski, Jarek Energy procedia 2016 / p. 1-4 : ill <https://doi.org/10.1016/j.egypro.2016.09.088> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Effect of freezing and thawing on the performance of “capillary active” insulation systems: a comparison of results from climate chamber study to HAM modelling

Klõšeiko, Paul; Varda, Kadi; Kalamees, Targo Energy procedia 2017 / P. 525-530 : ill <https://doi.org/10.1016/j.egypro.2017.09.714> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The effect of hydronic balancing on room temperature and heat pump efficiency of a building with underfloor heating

Thalfeldt, Martin; Simson, Raimo; Kurnitski, Jarek Energy procedia 2016 / p. 467-477 : ill <https://doi.org/10.1016/j.egypro.2016.09.178> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The effect of positive pressure on indoor air quality in a deeply renovated school building - a case study

Vomanen-Winqvist, Camilla; Toomla, Sander; Ahmed, Kaiser; **Kurnitski, Jarek;** Mikkola, Raimo; Salonen, Heidi Energy procedia 2017 / p. 165-170 : ill <https://doi.org/10.1016/j.egypro.2017.09.679> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Effects of energy retrofits on indoor air quality in three Northern European countries

Prasauskas, Tadas; Martuzevicius, Dainius; **Kalamees, Targo; Kuusk, Kalle;** Leivo, Virpi; Haverinen-Shaughnessy, Ulla Energy procedia 2016 / p. 253-259 : ill <https://doi.org/10.1016/j.egypro.2016.09.134> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

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 related sustainability analysis of shale oil retorting technologies

Gušča, Julija; Siirde, Andres; Eldermann, Meelis Energy procedia 2015 / p. 216-221 : ill <https://doi.org/10.1016/j.egypro.2015.06.031> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Energy saving potential with smart thermostats in low-energy homes in cold climate

Kull, Tuule Mall; Penu, Karl-Rihard; Thalfeldt, Martin; Kurnitski, Jarek E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 09009, 7 p. : ill <https://doi.org/10.1051/e3sconf/202017209009> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Energy, cost and emission saving potential of demand response and peak power limiting in the German district heating system

Suhonen, Janne; Lindholm, Joakim; Verbeck, Moritz; **Ju, Yuchen; Jokisalo, Juha; Kosonen, Risto;** Janßen, Philipp; Schäfers, Hans International journal of sustainable energy 2023 / p. 1092-1127 : ill <https://doi.org/10.1080/14786451.2023.2251601> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enhancing PV hosting capacity and mitigating congestion in distribution networks with deep learning based PV forecasting and battery management

Shabbir, Noman; Kütt, Lauri; Astapov, Victor; Daniel, Kamran; Jawad, Muhammad; **Husev, Oleksandr; Rosin, Argo;** Martins, Joao Applied energy 2024 / art. 123770 <https://doi.org/10.1016/j.apenergy.2024.123770> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estimation of energy-saving potential and indoor thermal comfort by the central control of the heating curve in old apartment buildings

Hajian, Hatem; Ahmed, Kaiser; **Kurnitski, Jarek** E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 09002, 10 p. : ill <https://doi.org/10.1051/e3sconf/202124609002> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Estonian grant scheme for renovating apartment buildings

Kuusk, Kalle; Kalamees, Targo Energy procedia 2016 / p. 628-637 : ill <https://doi.org/10.1016/j.egypro.2016.09.113> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

An evaluation and innovative coupling of seawater heat pumps in district heating networks

Ali, Hesham; Hlebnikov, Aleksandr; Pakere, Ieva; Volkova, Anna Energy 2024 / art. 133461

<https://doi.org/10.1016/j.energy.2024.133461> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Mašatin, Vladislav; Latošov, 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](#)

Evidence based residential ventilation: sizing procedure and system solutions addressed by REHVA Residential Ventilation Task Force

Kurnitski, Jarek; Thalfeldt, Martin; Weele, Harry van; Toksoy, Macit; Carlsson, Thomas; Vladykova Bednarova, Petra; Seppänen, Olli E3S Web of Conferences : CLIMA 2019 Congress, May 26-29, 2019 2019 / art. 01016, 7 p

<https://doi.org/10.1051/e3sconf/201911101016> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Experimental study of radiator, underfloor, ceiling and air heater systems heat emission performance in TUT nZEB test facility

Võsa, Karl-Villem; Ferrantelli, Andrea; Kurnitski, Jarek E3S Web of Conferences : CLIMA 2019 Congress, Bucharest, Romania, May 26-29, 2019 2019 / art. 04005, 7 p

<https://doi.org/10.1051/e3sconf/201911104005> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Experimental testing of exterior wall mounted mechanical ventilation exhaust air outlet devices

Palmiste, Ülar; Meier, Tauno; Kurnitski, Jarek; Voll, Hendrik E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 02001, 8 p. : ill

<https://doi.org/10.1051/e3sconf/202124602001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Explainability-based trust algorithm for electricity price forecasting models

Heistrene, Leena; Machlev, Ram; Perl, Michael; Belikov, Juri; Baimel, Dmitry; Levy, Kfir; Mannor, Shie; Levron, Yoash Energy and AI 2023 / art 100259, 18 p

<https://doi.org/10.1016/j.egyai.2023.100259> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

Explainable Artificial Intelligence (XAI) techniques for energy and power systems : review, challenges and opportunities

Machlev, Ram; Heistrene, L.; Perl, M.; Levy, K. Y.; Belikov, Juri; Mannor, S.; Levron, Yoash Energy and AI 2022 / art. 100169, 13 p. : ill

<https://doi.org/10.1016/j.egyai.2022.100169> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Pikas, Ergo; Thalfeldt, Martin; Kurnitski, Jarek; Liias, Roode Energy 2015 / p. 623-633 : ill

<https://doi.org/10.1016/j.energy.2015.03.026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Factors affecting the deep renovation of a single-family building – a case study

Bergmann, Triinu; Ruus, Aime; Kalbe, Kristo; Kiviste, Mihkel; Tintera, Jiri E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 05004, 8 p. : ill

<https://doi.org/10.1051/e3sconf/202124605004> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Features extraction of wind ramp events from a virtual wind park

Mishra, Sambheet; Ören, Esin; Bordin, Chiara; Wen, Fushuan; Palu, Ivo Energy reports 2020 / p. 237-249

<https://doi.org/10.1016/j.egypr.2020.08.047> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

5th generation district heating and cooling (5GDHC) implementation potential in urban areas with existing district heating systems

Volkova, Anna; Pakere, Ieva; Murauskaitė, Lina; Huang, Pei; Lepiksaar, Kertu; Zhang, Xinxing Energy reports 2022 / p. 10037-

10047 <https://doi.org/10.1016/j.egypr.2022.07.162> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Framework for continuous improvement of production processes and product throughput

Sahno, Jevgeni; Ševtšenko, Eduard; Zahharov, Roman Procedia engineering 2015 / p. 511-519 : ill

<https://doi.org/10.1016/j.proeng.2015.01.398> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Frequency stability of the Israeli power grid with high penetration of renewable sources and energy storage systems

Ben Yosef, Gefen; Navon, Aviad; Poliak, Olga; Etzion, Naomi; Gal, Nurit; Belikov, Juri; Levron, Yoash Energy reports 2021 / p.

6148-6161 : ill <https://doi.org/10.1016/j.egypr.2021.09.057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Functional characteristics of trash fish in Lamongan Regency, East Java, Indonesia

Anam, Choirul; Harini, Noor; Damat, Damat; Setyobudi, Roy Hendroko; Ekawati, Ida; Liblik, Taavi; Purbajanti, Endang Dwi; Benedektus, Hendrikus; Souripet, Loli Melani; Fauzi, Ahmad E3S Web of Conferences : International Conference on Bioenergy and Environmentally Sustainable Agriculture 2023 / art. 00007, 12 p. : ill

<https://doi.org/10.1051/e3sconf/202343200007> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Geothermal heat pump plant performance in a nearly zero-energy building

Fadejev, Jevgeni; Simson, Raimo; Kurnitski, Jarek; Kesti, Jyrki; Mononen, Tarmo; Lautso, Petteri Energy procedia 2016 / p. 489-502 : ill <https://doi.org/10.1016/j.egypro.2016.09.087> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

Gray box time variant clogging behaviour and pressure drop prediction of the air filter in the HVAC system

Alimohammadi, Hossein; Vassiljeva, Kristina; Petlenkov, Eduard; Thalfeldt, Martin; Mikola, Alo; Kull, Tuule Mall; Köse, Ahmet E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 10002 <https://doi.org/10.1051/e3sconf/202124610002> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Heat recovery from exhaust air as a thermal storage energy source for geothermal energy piles

Fadejev, Jevgeni; Simson, Raimo; Kurnitski, Jarek; Kesti, Jyrki Energy procedia 2016 / p. 478-488 : ill <https://doi.org/10.1016/j.egypro.2016.09.179> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Heat recovery ventilation system heating energy weather normalization – calculation method and case study

Kuivjõgi, Helena; Laaneste, Janar; Thalfeldt, Martin; Kurnitski, Jarek E3S Web Conference: BuildSim Nordic 2022 2022 / art. 09003 <https://doi.org/10.1051/e3sconf/202236209003> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Highly insulated crawl spaces with controlled minimal ventilation – proof of concept by field measurements

Airaksinen, Miimu; Olsson, Lars; Kurnitski, Jarek; Hvidberg, Staffan E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 07004, 5 p. : ill <https://doi.org/10.1051/e3sconf/202017207004> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Tabakaev, Roman; Kahn, Victor; Dubinina, Yury; Preis, Sergei Energy 2022 / art. 123071 <https://doi.org/10.1016/j.energy.2021.123071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

How to compare energy performance requirements of Japanese and European office buildings

Ahmed, Kaiser; Yoon, Gyuyoung; Ukai, Makiko; Kurnitski, Jarek E3S Web of Conferences : CLIMA 2019 Congress, Bucharest, Romania, May 26-29, 2019 2019 / art. 03038, 8 p <https://doi.org/10.1051/e3sconf/201911103038> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Hygrothermal performance of a massive stone wall with interior insulation : an in-situ study for developing a retrofit measure

Klõšeiko, Paul; Kalamees, Targo; Arumägi, Endrik; Kallavus, Urve Energy procedia 2015 / p. 195-200 : ill <https://doi.org/10.1016/j.egypro.2015.11.139> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Hygrothermal performance of highly insulated timber-frame external wall

Pihelo, Peep; Kikkas, Henri; Kalamees, Targo Energy procedia 2016 / p. 685-695 : ill <https://doi.org/10.1016/j.egypro.2016.09.128> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Hygrothermal performance of paper plaster: influence of different types of paper and production methods on moisture buffering

Soolepp, Mihkel; Ruus, Aime; Nutt, Nele; Raamets, Jane; Kubjas, Ardo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 14010, 6 p <https://doi.org/10.1051/e3sconf/202017214010> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Identification and improvement of critical joints in CLT construction without weather protection

Kalbe, Kristo; Kukk, Villu; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 10002, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017210002> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Identifying the role of co-aggregation of Alzheimer's amyloid- β with amorphous protein aggregates of non-amyloid proteins

Wu, Jinming; Österlund, Nicklas; Wang, Hongzhi; Sternke-Hoffmann, R.; Pupart, Hegne; Ilag, Leopold L.; Gräslund, Astrid; Luo, Jinghui Cell Reports Physical Science 2022 / art. 101028 <https://doi.org/10.1016/j.xcrp.2022.101028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of cracks to the hygrothermal properties of CLT water vapour resistance and air permeability

Kukk, Villu; Horta, R.; Püssa, Martin; Luciani, Giovanni; Kallakas, Heikko; Kalamees, Targo; Kers, Jaan Energy procedia 2017 / p. 741-746 : ill <https://doi.org/10.1016/j.egypro.2017.10.019> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Impact of ETICS on corrosion propagation of concrete facade

Ilomets, Simo; Kalamees, Targo; Lahdensivu, Jukka; **Klõšeiko, Paul** Energy procedia 2016 / p. 67-76 : ill
<https://doi.org/10.1016/j.egypro.2016.09.101> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The impact of infiltration on heating systems dimensioning in Estonian climate

Simson, Raimo; Rebane, Taaniel; Kiil, Martin; Thalfeldt, Martin; Kurnitski, Jarek E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 05004, 8 p. : ill
<https://doi.org/10.1051/e3sconf/202017205004> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Impact of internal heat gain profiles on the design cooling capacity of landscaped offices

Seyed Salehi, Seyed Shahabaldin; Ferrantelli, Andrea; Aljas, Hans Kristjan; Kurnitski, Jarek; Thalfeldt, Martin E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 07003, 7 p. : ill <https://doi.org/10.1051/e3sconf/202124607003> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Impact of office tenants' electricity use on the cost-optimal solutions in a cold climate

Kuivjõgi, Helena; Laas, Liina; Ferrantelli, Andrea; Thalfeldt, Martin E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 05001, 8 p. : ill <https://doi.org/10.1051/e3sconf/202124605001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Implementation of the EU CCS directive in Europe: results and development in 2013

Šogenova, Alla; Pressens, Kris; Holloway, Sam; Bentham, Michelle; Martinez, Roberto; Flomes, Kristin M.; Poulsen, Niels F.; Wójcicki, Adam; Sliupa, Saulius; Kucharič, Ludovit; Dudu, Alexandra; Persoglia, Sergio; Hladik, Vit; Saftic, Bruno; Kvassnes, Astri; **Šogenov, Kazbulat; Ivask, Jüri;** Suarez, Isabel; Sava, Constantin; Sorin, Anghel; Chikkatur, Ananth Energy procedia 2014 / p. 6662-6670 <https://doi.org/10.1016/j.egypro.2014.11.700> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Mašatin, Vladislav; Volkova, Anna; Hlebnikov, Aleksandr; Latšov, 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](#)

Increased efficiency inside the CdTe solar cell absorber caused by plasmonic metal nanoparticles

Repän, Taavi; Pikker, Siim; Dolgov, Leonid; Loot, Ardi; **Hiie, Jaan; Krunks, Malle;** Sildos, Ilmo Energy procedia 2014 / p. 229-233 : ill <https://doi.org/10.1016/j.egypro.2013.12.032> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Indoor climate and energy performance in nearly zero energy day care centers and school buildings

Kaiser, Ahmed; **Kuusk, Kalle;** Heininen, Henrik; **Arumägi, Endrik; Kalamees, Targo;** Hasu, Tero; Lolli, Nicola; **Kurnitski, Jarek** E3S Web of Conferences : CLIMA 2019 Congress, Bucharest, Romania, May 26-29, 2019 2019 / art. 02003 ; 9 p. : ill
<https://doi.org/10.1051/e3sconf/201911102003> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Indoor temperature conditions and energy demand of a Finnish detached house in a changing climate

Farahani, Azin Velashjerdi; **Jokisalo, Juha;** Korhonen, Natalia; **Kosonen, Risto** E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 15001, 7 p. : ill <https://doi.org/10.1051/e3sconf/202124615001> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Influence of moisture dry-out on hygrothermal performance of prefabricated modular renovation elements

Pihelo, Peep; Lelumees, Magnus; Kalamees, Targo Energy procedia 2016 / p. 745-755 : ill
<https://doi.org/10.1016/j.egypro.2016.09.137> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Latšov, 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](#)

Influence of the interface on the photoluminescence properties in ZnO carbon-based nanohybrids

Rauwel, Erwan; Galeckas, Augustinas; Rosario Soares, M.; **Rauwel, Protima** Journal of physical chemistry C 2017 / p. 14879-14887 : ill <https://doi.org/10.1021/acs.jpcc.7b03070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of time constants on low energy buildings' heating control

Kull, Tuule Mall; Simson, Raimo; Thalfeldt, Martin; Kurnitski, Jarek Energy procedia 2017 / p. 75-80 : ill
<https://doi.org/10.1016/j.egypro.2017.09.640> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Influencing factors of moisture measurement when using microwave reflection method

Kurik, Lembit; Kalamees, Targo; Kallavus, Urve; Sinivee, Veljo Energy procedia 2017 / p. 159-164 : ill
<https://doi.org/10.1016/j.egypro.2017.09.675> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Integrated design of museum's indoor climate in medieval Episcopal Castle of Haapsalu

Napp, Margus; Kalamees, Targo; Tark, Teet; Arumägi, Endrik Energy procedia 2016 / p. 592-600 : ill
<https://doi.org/10.1016/j.egypro.2016.09.105> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Intelligent frequency control of AC microgrids with communication delay : an online tuning method subject to stabilizing parameters

Nosrati, Komeil; Škiparev, Vjatseslav; Tepļakov, Aleksei; Petlenkov, Eduard; Belikov, Juri Energy and AI 2024 / art. 100421
<https://doi.org/10.1016/j.egyai.2024.100421> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of the structural, optical and electrical properties of Cu₃BiS₃ semiconducting thin films

Yakushev, M. V.; Maiello, P.; Raadik, Taavi; Krustok, Jüri Energy procedia 2014 / p. 166-172 : ill
<https://doi.org/10.1016/j.egypro.2014.12.359> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Kouvola Housing fair NZEB houses energy, cost and carbon analyses

Ahmed, Kaiser; Hajian, Hatef; Hasu, Tero; Kurnitski, Jarek E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 13001, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017213001>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Laboratory tests and modelling of mineral wool insulated steel sandwich panels

Laukkarinen, Anssi; Vinha, Juha; Kalbe, Kristo; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 17006, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017217006>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Low carbon emission renovation of historical residential buildings

Kertsmik, Kadri-Ann; Arumägi, Endrik; Hallik, Jaanus; Kalamees, Targo Energy reports 2024 / p. 3836-3847
<https://doi.org/10.1016/j.egypr.2024.03.030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Hiltunen, Pauli; Syri, Sanna Energy 2021 / art. 120916, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.120916> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Maritime cyber-insurance: the Norwegian case

Franke, Ulrik; Friberg, Even Langfeldt; Bahşi, Hayretidin International Journal of Critical Infrastructures 2022 / p. 267-286
<https://doi.org/10.1504/ijcis.2022.125816> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Measured and simulated energy performance of OLK NZEB with heat pump and energy piles in Hämeenlinna

Fadejev, Jevgeni; Simson, Raimo; Kesti, Jyrki; Kurnitski, Jarek E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 16012, 11 p. : ill <https://doi.org/10.1051/e3sconf/202017216012>
[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Measured performance of exhaust air heat pumps in Finnish apartment buildings

Pylsy, Petri; Kurnitski, Jarek E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 06001, 7 p
<https://doi.org/10.1051/e3sconf/202124606001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Mechanochemical nucleophilic substitution of alcohols via isouronium intermediates

Dalidovich, Tatsiana; Nallaparaju, Jagadeesh Varma; Shalima, Tatsiana; Aav, Riina; Kananovich, Dzmitry ChemSusChem 2022 / art. e202102286 <https://doi.org/10.1002/cssc.202102286> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanochemically driven covalent self-assembly of a chiral mono-biotinylated hemicucurbit[8]uril

Suut-Tuule, Elina; Jarg, Tatsiana; Tikker, Priit; Lootus, Ketren-Marlein; Martõnova, Jevgenija; Reitalu, Rauno; Ustrnul, Lukas; Ward, Jas S.; Rjabovs, Vitalijs; Shubin, Kirill; Nallaparaju, Jagadeesh Varma; Vendelin, Marko; Preis, Sergei; Öeren, Mario; Rissanen, Kari; Kananovich, Dzmitry; Aav, Riina Cell reports physical science 2024 / art. 102161
<https://doi.org/10.1016/j.xcrp.2024.102161> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Method for assessment of energy retrofit measures in milieu valuable buildings

Arumägi, Endrik; Mändel, Maris; Kalamees, Targo Energy procedia 2015 / p. 1027-1032 : ill
<https://doi.org/10.1016/j.egypro.2015.11.052> [Conference proceedings at Scopus](#) [Article at Scopus](#) [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](#)

A method to develop energy activated ETICS

Ilomets, Simo; Heim, Dariusz; Chodak, Ian; Czarmy, Dariusz; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 21006, 8 p. : ill
<https://doi.org/10.1051/e3sconf/202017221006> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Method to divide heating energy in energy efficient building without direct measuring

Hamburg, Anti; Kalamees, Targo Energy procedia 2017 / p. 45-50 : ill <https://doi.org/10.1016/j.egypro.2017.09.629> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Methodological framework to assess the significance of External Thermal Insulation Composite System (ETICS) on-site activities

Sulakatko, Virgo; Lill, Irene; Witt, Emlyn David Qivitoq Energy procedia 2016 / p. 446-454 : ill

<https://doi.org/10.1016/j.egypro.2016.09.176> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Methodology for evaluating the transition process dynamics towards 4th generation district heating systems

Volkova, Anna; Mašatin, Vladislav; Siirde, Andres Energy 2018 / p. 253-261 : ill <https://doi.org/10.1016/j.energy.2018.02.123> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microwave reflectance and transmittance properties of conductive composite materials

Shishkin, Andrei; Koppel, Tarmo; Mironov, Viktor; Hussainova, Irina; Locs, Janis; Haldre, Heldur Energy procedia 2017 / p. 354-361 : ill <https://doi.org/10.1016/j.egypro.2017.04.006> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Mitigation of pulsed power load effect on power system using FLC-SMES

Salama, Hossam S.; Bakeer, Abualkasim Ahmed Ali; Vokony, Istvan; Chub, Andrii Energy reports 2022 / p. 463-471

<https://doi.org/10.1016/j.egypro.2021.11.054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling continuous process for precipitated calcium carbonate production from oil shale ash

Tamm, Kadriann; Kallas, Juha; Kuusik, Rein, keemik; Uibu, Mai Energy procedia 2017 / p. 5409-5416 : ill

<https://doi.org/10.1016/j.egypro.2017.03.1685> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Modelling of wax actuators in underfloor heating manifolds

Kull, Tuule Mall; Thalfeldt, Martin; Kurnitski, Jarek E3S Web Conference : Cold Climate HVAC and Energy 2021 2021 / art.

11009, 8 p. : ill <https://doi.org/10.1051/e3sconf/202124611009> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Moisture dry-out from steel faced insulated sandwich panels

Kalbe, Kristo; Piikov, Hubert; Kurnitski, Jarek; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 17007, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017217007>

[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Pakere, Ieva; Feofilovs, Maksims; Lepiksaar, Kertu; Vitolinš, Valdis; Blumberga, Dagnija Energy 2023 / art. 129296

<https://doi.org/10.1016/j.energy.2023.129296> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nanostructured fluorite-type fluorides as electrolytes for fluoride ion batteries

Rongeat, Carine; Reddy, M. Anji; Witter, Raiker; Fichtner, Maximilian Journal of Physical Chemistry C 2013 / p. 4943 - 4950

<https://doi.org/10.1021/jp3117825> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

National methods fail to calculate standardized deep renovation concepts for dwellings: Benchmarking in three EU climates

Võsa, Karl-Villem; Kurnitski, Jarek; Felsmann, Clemens; Meinsenbach, Andrea; Carli, Michele De; Tonon, Massimo; Iivonen,

Mikko E3S Web of Conferences : 11th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in

Buildings, IAQVE C2023 2023 / art. 04014, 8 p.: ill <https://doi.org/10.1051/e3sconf/202339604014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Nearly zero energy renovation concepts for apartment buildings

Kuusk, Kalle; Naumann, Jens; Gritzki, Anina; Felsmann, Clemens; De Carli, Michele; Kurnitski, Jarek E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 18009,

<https://doi.org/10.1051/e3sconf/202017218009> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A new method to estimate point thermal transmittance based on combined two-dimensional heat flow calculation

Hallik, Jaanus; Kalamees, Targo E3S Web Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) 2020 / art.

08005, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017208005> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

NZEB and market-based renovation case study of an existing office building

Kuivjõgi, Helena; Kurnitski, Jarek; Uutar, Aivar; Thalfeldt, Martin E3S Web Conference: Cold Climate HVAC and Energy 2021

2021 / art. 05002, 7 p. : ill <https://doi.org/10.1051/e3sconf/202124605002> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

nZEB renovation with prefabricated modular panels

Pihelo, Peep; Kalamees, Targo; Kuusk, Kalle Energy procedia 2017 / p. 1006-1011 : ill <https://doi.org/10.1016/j.egypro.2017.09.708>

[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

nZEB retrofit of a concrete large panel apartment building

Kuusk, Kalle; Kalamees, Targo Energy procedia 2015 / p. 985-990 : ill <https://doi.org/10.1016/j.egypro.2015.11.038> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Numerical modeling and validation of a large-scale borehole thermal energy storage system in Finland

Xue, Tianchen; **Jokisalo, Juha; Kosonen, Risto;** Vuolle, Mika; Marongiu, Federica; Vallin, Sami; Leppäharju, Nina; Arola, Teppo E3S Web of Conferences : BuildSim Nordic 2022 2022 / art. 06003 <https://doi.org/10.1051/e3sconf/202236206003> [Conference proceeding at Scopus](#) [Article at Scopus](#)

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

Ordonez, Javier; Monfort, Mercedes; Cuestas, Juan Carlos Energy 2019 / p. 625-634 <https://doi.org/10.1016/j.energy.2019.05.209> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Javanshir, Nima; Syri, Sanna; Tervo, Seela; **Rosin, Argo** Energy 2023 / art. 126423 <https://doi.org/10.1016/j.energy.2022.126423> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optical properties of GaTe-ZnTe nanolamellae composite

Spalatu, Nicolae; Evtodiev, Igor; Caraman, Iuliana Energy procedia 2015 / p. 176-182 : ill <https://doi.org/10.1016/j.egypro.2015.12.311> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Optimal PI control parameters for accurate underfloor heating temperature control

Kull, Tuule Mall; Thalfeldt, Martin; Kurnitski, Jarek E3S Web of Conferences : CLIMA 2019 Congress, Bucharest, Romania, May 26-29, 2019 2019 / art. 01081, 8 p. : ill <https://doi.org/10.1051/e3sconf/201911101081> [Conference proceedings at Scopus](#) [Article at Scopus](#)

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

Savolainen, Rebecka; Lahdelma, Risto Energy 2022 / art. 123046 <https://doi.org/10.1016/j.energy.2021.123046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Organizational and economic mechanisms for promoting residential battery energy storage systems in Ukraine

Trypolska, Galyna; Kurbatova, Tetiana; Kubatko, Oleksandra; **Prause, Gunnar Klaus;** Domashenko, Maryna International Journal of Energy Economics and Policy 2024 / p. 501-512 <https://doi.org/10.32479/ijeep.16385> [Journal metrics at Scopus](#) [Article at Scopus](#)

Oxidation of airborne m-Xylene in pulsed corona discharge: Impact of water sprinkling

Altöf, Kristen; Krichevskaya, Marina; Preis, Sergei; Bolobajev, Juri ChemEngineering 2024 / art. 99 <https://doi.org/10.3390/chemengineering8050099> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxy-fuel combustion of Estonian oil shale : kinetics and modeling

Yörük, Can Rüstü; Meriste, Tõnis; Trikkel, Andres; Kuusik, Rein, keemik Energy procedia 2016 / p. 124-133 : ill <https://doi.org/10.1016/j.egypro.2016.01.013> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Miao, Di; Chen, Wei; Zhao, Wei; **Demsas, Tekle** Energy 2020 / Art. 116616 <https://doi.org/10.1016/j.energy.2019.116616> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Parametric energy simulations of a Nordic detached house heated by a wood stove

Thalfeldt, Martin; Skare, Anders; Georges, Laurent; Skreiberg, Øyvind E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 25007, 7 p. : ill <https://doi.org/10.1051/e3sconf/202017225007> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

PCSP's diagonal tie connectors thermal bridges impact on energy performance and operational cost : case study of a high-rise residential building in Estonia

Kiil, Martin; Käärid, Martin-Sven; Klõšeiko, Paul; Võsa, Karl-Villem; Simson, Raimo; Sarevet, Henri; Thalfeldt, Martin; Kurnitski, Jarek E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 80060, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017208006> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Performance of an earth-air heat exchanger (EAHE) in a heat recovery ventilation for residential buildings in severe cold regions

Hu, Xinyi; **Jokisalo, Juha; Kosonen, Risto;** Lehtonen, Matti BuildSim Nordic 2024 : Espoo, Finland, June 9-11, 2024 2024 / 12 p. <https://doi.org/10.1051/e3sconf/202456205002> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Performance of constructions with clay plaster and timber at elevated temperatures

Liblik, Johanna; Just, Alar Energy procedia 2016 / p. 717-728 : ill <https://doi.org/10.1016/j.egypro.2016.09.133> [Conference](#)

[Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Performance of ventilation in Estonian apartment buildings

Mikola, Alo; Kalamees, Targo; Kõiv, Teet-Andrus Energy procedia 2017 / p. 963-968 : ill <https://doi.org/10.1016/j.egypro.2017.09.681>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Permittivity and breakdown voltage study of the epoxy-based nanocomposites

Siddique, Abubakar; Arshad, Amna; Aslam, Waseem; Fatima, Maham; **Sardar, Muhammad Usman**; Noon, Muhammad Asim
International review of electrical engineering 2023 / p. 373-382 <https://doi.org/10.15866/iree.v18i5.22518> [Journal metrics at Scopus](#)
[Article at Scopus](#)

Petrophysical properties and capacity of prospective structures for geological storage of CO2 onshore and offshore baltic

Šogenov, Kazbulat; Šogenova, Alla; Vizika-Kawadias, Olga GHGT-11 Proceedings of the 11th International Conference on Greenhouse Gas Control Technologies, 18-22 November 2012, Kyoto, Japan 2013 / p. 5036 - 5045
<https://doi.org/10.1016/j.egypro.2013.06.417> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

PF-FEDG : an open-source data generator for frequency disturbance event detection with deep-learning reference classifiers

Sun, Zhenglong; Ram, Machlev; Jiang, Chao; Wang, Qianchao; Perl, Michael; **Belikov, Juri**; Levron, Yoash Energy reports 2023 / p. 397-413 <https://doi.org/10.1016/j.egyr.2022.11.182> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Phase transformations in porous materials studied by in situ solid-state NMR spectroscopy and in situ X-ray diffraction

Paula, Carolin; Wisser, Dorothea; Rangus, Mojca; **Vanatalu, Kalju; Oss, Andres; Org, Mai-Liis; Samoson, Ago**; Hartmann, M. The journal of physical chemistry C 2020 / p. 19136–19145 : ill <https://doi.org/10.1021/acs.jpcc.0c05921> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photovoltaic-powered seasonal snow storage-assisted district cooling system: Site suitability analysis and performance assessment

Sukumaran, Sreenath; Kirs, Tanel; Kirs, Kristian; Volkova, Anna Energy 2024 / art. 133586
<https://doi.org/10.1016/j.energy.2024.133586> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Policy incentives for flexible district heating in the Baltic countries

Møller Sneum, Daniel; Sandberg, Eli; **Koduvare, Hardi**; Olsen, Ole Jess; Blumberga, Dagnija Utilities policy 2018 / p. 61-72 : ill <https://doi.org/10.1016/j.jup.2018.02.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Port-Hamiltonian framework in power systems domain : a survey

Tõnso, Maris; Kaparin, Vadim; Belikov, Juri Energy Reports 2023 / p. 2918 - 2930 <https://doi.org/10.1016/j.egyr.2023.09.077> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Potential for finance and energy savings of detached houses in Estonia

Alev, Üllar; Allikmaa, Ats; Kalamees, Targo Energy procedia 2015 / p. 907-912 : ill <https://doi.org/10.1016/j.egypro.2015.11.017>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Power plant fuel consumption rate during load cycling

Nešumajev, Dmitri; Rummel, Leo; Konist, Alar; Ots, Arvo; Parve, Teet Applied energy 2018 / p. 124-135 : ill <https://doi.org/10.1016/j.apenergy.2018.04.063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Predictive control based on ranking multi-objective optimization approaches for a quasi-Z source inverter

Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; **Chub, Andrii; Vinnikov, Dmitri** CSEE journal of power and energy systems 2021 / p. 1152-1160 : ill <https://doi.org/10.17775/CSEEJPES.2020.01310> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Preliminary assessment of preconditions to deliver carbon neutrality in apartment buildings by 2050

Lihtmaa, Lauri; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 18004, 6 p. : ill <https://doi.org/10.1051/e3sconf/202017218004> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Primary energy balance driven integrated energy design process of positive energy building

Tamm, Meril; Ortiz, Joana; Pascual, Jordi; **Kurnitski, Jarek; Thalfeldt, Martin**; Salom, Jaume E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 13001, 8 p. : ill <https://doi.org/10.1051/e3sconf/202124613001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

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](#)

Properties of the CdCl₂ air-annealed CSS CdTe thin films

Spalatu, Nicolae; Hiie, Jaan; Valdna, Vello; Caraman, Mihail; **Maticiu, Natalia; Mikli, Valdek; Potlog, Tamara; Krunks, Malle;** Lugh, Vanni Energy procedia 2014 / p. 85-95 : ill <https://doi.org/10.1016/j.egypro.2013.12.013> [Conference proceedings at Scopus](#)
[Article at Scopus](#) [Article at WOS](#)

Prospects for hydrogen production in oil shale processing industry in Estonia : initial aspects of life cycle analysis

Eldermann, Meelis; Siirde, Andres; Gušča, Julija Energy procedia 2016 / p. 536-539 : ill <https://doi.org/10.1016/j.egypro.2016.09.081>
[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A public dataset for synchronous motor electrical faults diagnosis with CNN and LSTM reference classifiers

Sun, Zhenglong; Machlev, Ram; Wang, Qianchao; **Belikov, Juri;** Levron, Yoash; Baimel, Dmitry Energy and AI 2023 / art. 100274, 17
p <https://doi.org/10.1016/j.egyai.2023.100274> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

QFD framework for selection of industry development scenarios

Eldermann, Meelis; Siirde, Andres; Gušča, Julija Energy procedia 2017 / p. 230-233 : ill <https://doi.org/10.1016/j.egypro.2017.09.060>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Quality and accuracy of digital twin models for the neighbourhood level building energy performance calculations

Parts, Egert-Ronald; Pikas, Ergo; Parts, Tuule Mall; Arumägi, Endrik; Liiv, Innar E3S Web of Conferences : 11th International
Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, IAQVEC2023 2023 / art. 04021, 8 p. : ill
<https://doi.org/10.1051/e3sconf/202339604021> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Radiative recombination model for BiSeI microcrystals : unveiling deep defects through photoluminescence

Dolcet Sadurni, Marc; Krustok, Jüri; Timmo, Kristi; Mikli, Valdek; Kondrotas, Rokas; **Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit** Journal of Physics Energy 2024 / art. 045004 <https://doi.org/10.1088/2515-7655/ad8377> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

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

Hamburg, Anti; Kuusk, Kalle; Mikola, Alo; Kalamees, Targo Energy 2020 / art. 116874, 10 p. : ill
<https://doi.org/10.1016/j.energy.2019.116874> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Redefining cost-optimal nZEB levels for new residential buildings

Simson, Raimo; Arumägi, Endrik; Kuusk, Kalle; Kurnitski, Jarek E3S Web of Conferences : CLIMA 2019 Congress, Bucharest,
Romania, May 26-29, 2019 2019 / art. 03035, 7 p. : ill <https://doi.org/10.1051/e3sconf/201911103035> [Conference proceedings at Scopus](#)
[Article at Scopus](#)

Reduced recombination through the CZTS/CdS interface engineering in monograin layer solar cells

Kauk-Kuusik, Marit; Timmo, Kristi; Muska, Katri; Pilvet, Maris; Krustok, Jüri; Danilson, Mati; Mikli, Valdek; Josepson, Raavo; Grossberg, Maarja JPhys Energy 2022 / art. 024007 <https://doi.org/10.1088/2515-7655/ac618d> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reflection and transmission properties of common construction materials at 2.4 GHz frequency

Koppel, Tarmo; Shishkin, Andrei; Haldre, Heldur; Toropovs, Nikolajs; Vilcane, Inese; **Tint, Piia** Energy procedia 2017 / p. 158-165
<https://doi.org/10.1016/j.egypro.2017.04.045> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Reliability framework for power network assessment

Mishra, Sambeet; Bordin, Chiara; Fornes, Jordi Mateo; **Palu, Ivo** 2018 International Conference on Renewable Energy and
Environment Engineering (REEE 2018) 2019 / art. 02005, 7 p. . ill <https://doi.org/10.1051/e3sconf/20198002005> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Reliability of interior thermal insulation as a retrofit measure in historic wooden apartment buildings in cold climate

Arumägi, Endrik; Pihlak, Margus; Kalamees, Targo Energy procedia 2015 / p. 871-876 : ill
<https://doi.org/10.1016/j.egypro.2015.11.010> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Renovation of apartment buildings with prefabricated modular panels

Kuusk, Kalle; Pihelo, Peep; Kalamees, Targo E3S Web of Conferences : CLIMA 2019 Congress, Bucharest, Romania, May 26-
29, 2019 2019 / art. 03023, 6 p <https://doi.org/10.1051/e3sconf/201911103023> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Residential buildings with heat pumps peak power reduction with high performance insulation

Sarevet, Henri; Fadejev, Jevgeni; Thalfeldt, Martin; Kurnitski, Jarek E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 12008, 5 p. : ill

<https://doi.org/10.1051/e3sconf/202017212008> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Respiratory infection risk based ventilation and room conditioning design method with year-round thermal comfort control in modern office buildings

Kiil, Martin; Simson, Raimo; Vösa, Karl-Villem; Mikola, Alo; Thalfeldt, Martin; Kurnitski, Jarek E3S Web Conference: The 16th ROOMVENT Conference 2022 / art. 05008 <https://doi.org/10.1051/e3sconf/202235605008> [Conference proceedings at Scopus](#) [Article at Scopus](#)

[Article at WOS](#)

A review of low-temperature sub-networks in existing district heating networks : examples, conditions, replicability

Puschnigg, Stefan; Jauschnik, Gabriela; Moser, Simon; Volkova, Anna; Linhart, Matthias Energy Reports 2021 / p. 18-26 : ill

<https://doi.org/10.1016/j.egy.2021.09.044> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A review on energy piles design, sizing and modelling

Fadejev, Jevgeni; Simson, Raimo; Kurnitski, Jarek; Haghghat, Fariborz Energy 2017 / p. 390-407 : ill

<https://doi.org/10.1016/j.energy.2017.01.097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Seasonal storage of residential exhaust air and sewage waste heat

Hirvonen, Janne; Jokisalo, Juha; Kosonen, Risto E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 06009,

7 p <https://doi.org/10.1051/e3sconf/202124606009> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A simple adaptive ventilation controller for mediaeval church

Sinivee, Veljo; Kurik, Lembit; Kalamees, Targo Energy procedia 2017 / p. 957-962 : ill <https://doi.org/10.1016/j.egypro.2017.09.674>

[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A simplified power sizing method for the correct building integration of wood stoves

Thalfeldt, Martin; Skare, Anders; Georges, Laurent; Skreiberg, Øyvind E3S Web of Conferences : CLIMA 2019 Congress,

Bucharest, Romania, May 26-29, 2019 2019 / art. 02066, 7 p. : ill <https://doi.org/10.1051/e3sconf/201911102066> [Conference](#)

[proceedings at Scopus](#) [Article at Scopus](#)

Simulation of demand response on buildings and district heating production

Ju, Yuchen; Lindholm, Joakim; Verbeck, Moritz; **Jokisalo, Juha; Kosonen, Risto;** Janáček, Enc, Philipp; Li, Yantong; Schäfers,

Hans; Nord, Natasa E3S Web of Conferences : BuildSim Nordic 2022 2022 / art. 13002 <https://doi.org/10.1051/e3sconf/202236213002>

[Conference Proceedings at Scopus](#) [Article at Scopus](#)

Simulation of modern passive stack ventilation in a retrofitted Nordic apartment building

Kravchenko, Iliia; Kosonen, Risto; Jokisalo, Juha; Kilpeläinen, Simo E3S Web of Conferences : BuildSim Nordic 2022 2022 / art.

14003 <https://doi.org/10.1051/e3sconf/202236214003> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Small low-temperature district heating network development prospects

Volkova, Anna; Krupenski, Igor; Pieper, Henrik; Ledvanov, Aleksandr; **Latšov, 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](#)

Smart health care monitoring technologies to improve employee performance in manufacturing

Kõrbe Kaare, Kati; Otto, Tauno Procedia engineering 2015 / p. 826-833 : ill <https://doi.org/10.1016/j.proeng.2015.01.437> [Conference](#)

[proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Smart projects on the development of green intellectual capital in eco-industrial parks

Mikhno, Inesa; Koval, Viktor; Khaustova, Yevheniia; **Järvis, Marina;** Gudz, Petro; Gudz, Maryna; Kostjukov, Viacheslav International

Conference on Sustainable, Circular Management and Environmental Engineering (ISCMEE 2023) E3S Web of Conferences : The

3rd International Conference on Sustainable, Circular Management and Environmental Engineering (ISCMEE 2023) 2023 / art.

01020, 11 p <https://doi.org/10.1051/e3sconf/202340801020> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Spatially resolved opto-electrical performance investigations of Cu₂ZnSnS₃.2Se_{0.8} photovoltaic devices

Neubauer, Christian; Samiepour, Ali; Oueslati, Souhaib; Ernits, Kaia; Meissner, Dieter Energy Science & Engineering 2018 / p.

563-569 : ill <https://doi.org/10.1002/ese3.232> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spent Li-Ion battery graphite turned into valuable and active catalyst for electrochemical oxygen reduction

Liivand, Kerli; Kazemi, Maryam; Walke, Peter; Mikli, Valdek; Macdonald, Digby D.; Kruusenberg, Ivar ChemSusChem 2021 / p.

1103-1111 <https://doi.org/10.1002/cssc.202002742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spray pyrolysis deposition of SnxSy thin films

Polivtseva, Svetlana; Oja Acik, Ilona; Katerski, Atanas; Mere, Arvo; Mikli, Valdek; Krunks, Malle Energy procedia 2014 / p.

156-165 : ill <https://doi.org/10.1016/j.egypro.2014.12.358> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Stability, reliability, upscaling and possible technological applications of kesterite solar cells

Larramona, G.; Chone, C.; **Meissner, Dieter**; Ernits, Kaia *Journal of Physics Energy* 2020 / art. 024009, 14 p

<https://doi.org/10.1088/2515-7655/ab7cee> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of CZTS nano-powder synthesis by hot injection method by variation of Cu and Zn concentrations

Kumar, Suresh; Kumar, Vikash; Mikli, Valdek; Varema, Tiit; Altosaar, Mare; Grossberg, Maarja *Energy procedia* 2016 / p. 136-

143 : ill <https://doi.org/10.1016/j.egypro.2016.11.328> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Suitability of devulcanized crumb rubber for oil spills remediation

Lapkovskis, Vjaceslavs; Mironovs, Viktors; **Goljandin, Dmitri** *Energy procedia* 2018 / p. 351-357 : ill

<https://doi.org/10.1016/j.egypro.2018.07.103> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Synergy of CO₂ storage and oil recovery in different geological formations : case study in the Baltic Sea

Šogenov, Kazbulat; Šogenova, Alla; Gei, Davide; Forlin, Edy *Energy procedia* 2017 / p. 7047-7054 : ill

<https://doi.org/10.1016/j.egypro.2017.03.1846> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Synthesis of Cu₂ZnSnS₄ solar cell absorber material by sol-gel method

Kumar, Suresh; Kasubosula, Bharath; Loorits, Mihkel; Raudoja, Jaan; Mikli, Valdek; Altosaar, Mare; Grossberg, Maarja

Energy procedia 2016 / p. 102-109 : ill <https://doi.org/10.1016/j.egypro.2016.11.324> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

[Scopus Article at WOS](#)

ZnO/TiO₂/Sb₂S₃ core-shell nanowire heterostructure for extremely thin absorber solar cells

Parize, Romain; **Katerski, Atanas; Gromōko, Inga**; Rapenne, Laetitia; Roussel, Hervé; **Kärber, Erki**; Appert, Estelle; **Krunks,**

Malle; Consonni, Vincent *Journal of physical chemistry C* 2017 / p. 9672-9680 : ill <https://doi.org/10.1021/acs.jpcc.7b00178> [Journal](#)

[metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

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

Shabbir, Noman; Kütt, Lauri; Raja, Hadi Ashraf; Jawad, Muhammad; Allik, Alo; **Husev, Oleksandr** *Energy* 2022 / art. 124156

<https://doi.org/10.1016/j.energy.2022.124156> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tenant-based measured electricity use in 4 large office buildings in Tallinn, Estonia

Ferrantelli, Andrea; Aljas, Hans Kristjan; Maask, Vahur; Thalfeldt, Martin *E3S Web Conference: Cold Climate HVAC and*

Energy 2021 / art. 04001, 8 p. : ill <https://doi.org/10.1051/e3sconf/202124604001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

[Scopus Article at WOS](#)

The benefits of integrating industrial hydrogen production with district heating in cold climates with different building renovation levels

Moradpoor, Iraj; **Koivunen, Tero; Syri, Sanna**; Hirvonen, Janne *Energy* 2024 / art. 131953, 13 p.: ill

<https://doi.org/10.1016/j.energy.2024.131953> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of heat loss from pipes in an unheated basement on the heating energy consumption of an entire typical apartment building

Hamburg, Anti; Kalamees, Targo *E3S Web Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) ; 172 2020 /*

art. 12005 <https://doi.org/10.1051/e3sconf/202017212005> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The integration of selected technology to energy activated ETICS - theoretical approach

Heim, Dariusz; Chodak, Ivan; **Ilomets, Simo**; Knera, Dominika; Wieprzkowicz, Anna; **Kalamees, Targo** *E3S Web of Conferences :*

12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 21004, 7 p. : ill

<https://doi.org/10.1051/e3sconf/202017221004> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Thermal bridge effect of vertical diagonal tie connectors in precast concrete sandwich panels : an experimental and computational study

Klõšeiko, Paul; Piir, Reimo; Jeltsov, Marti; **Kalamees, Targo** *E3S Web of Conferences : 12th Nordic Symposium on Building*

Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 08001, 7 p. : ill <https://doi.org/10.1051/e3sconf/202017208001>

[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Thermal comfort and draught assessment in a modern open office building in Tallinn

Kiil, Martin; Mikola, Alo; Thalfeldt, Martin; Kurnitski, Jarek *E3S Web of Conferences : CLIMA 2019 Congress, Bucharest,*

Romania, May 26-29, 2019 2019 / art. 02013, 7 p. : ill <https://doi.org/10.1051/e3sconf/201911102013> [Conference proceedings at](#)

Thermal mass and energy recovery utilization for peak load reduction panel

Fadejev, Jevgeni; Simson, Raimo; Kurnitski, Jarek; Bomberg, Mark Energy procedia 2017 / p. 39-44 : ill

<https://doi.org/10.1016/j.egypro.2017.09.628> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Thermodynamic and thermoeconomic analysis and optimization of a renewable-based hybrid system for power, hydrogen, and freshwater production

Gao, Jinling; Zhang, Yong; Li, Xuetao; Zhou, Xiao; Kilburn, Zofia J. Energy 2024 / art. 131002, 21 p. : ill

<https://doi.org/10.1016/j.energy.2024.131002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

3D geological and petrophysical numerical models of E6 structure for CO2 storage in the Baltic Sea

Šogenov, Kazbulat; Forlin, Edy; Šogenova, Alla Energy procedia 2017 / p. 3564-3571 : ill

<https://doi.org/10.1016/j.egypro.2017.03.1486> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Transformations of sulfides during aqueous carbonation of oil shale ash

Tamm, Kadriann; Kuusik, Rein, keemik; Uibu, Mai; Kallas, Juha GHGT-11 Proceedings of the 11th International Conference on Greenhouse Gas Control Technologies, 18-22 November 2012, Kyoto, Japan 2013 / p. 5905-5912 : ill

<https://doi.org/10.1016/j.egypro.2013.06.516> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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.egypro.2022.07.055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uses of the digital twins concept for energy services, intelligent recommendation systems, and demand side management : a review

Onile, Abiodun Emmanuel; Machlev, Ram; Petlenkov, Eduard; Levron, Yoash; Belikov, Juri Energy reports 2021 / p. 997-1015

<https://doi.org/10.1016/j.egypro.2021.01.090> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Using probabilistic models for missing data prediction in network industries performance measurement systems

Kuhi, Kristjan; Kõrbe Kaare, Kati; Koppel, Ott Procedia engineering 2015 / p. 1348-1353 : ill

<https://doi.org/10.1016/j.proeng.2015.01.502> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Validation of methods for developing typical meteorological years based on future climate models

Seyed Salehi, Seyed Shahabaldin; Männik, Aarne; Kalamees, Targo; Thalfeldt, Martin E3S Web of Conferences : BuildSim

Nordic 2024 2024 / art. 07002 ; 12 p <https://doi.org/10.1051/e3sconf/202456207002> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

VAV fan coil and demand controlled active chilled beam systems energy efficiency and thermal comfort performance comparison in a Japanese office building

Ahmed, Kaiser; Yoon, Gyuyoung; Ukai, Makiko; Kurnitski, Jarek E3S Web of Conferences : BuildSim Nordic 2024 2024 / art.

06004 <https://doi.org/10.1051/e3sconf/202456206004> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Ventilation effectiveness in classroom infection risk control

Kiil, Martin; Valgma, Ingo; Võsa, Karl-Villem; Simson, Raimo; Mikola, Alo; Tark, Teet; Kurnitski, Jarek E3S Web of

Conferences : 11th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, IAQVEC2023 2023 / art. 01043, 8 p <https://doi.org/10.1051/e3sconf/202339601043> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Ventilation system design in three European geo cluster

Zemitis, Jurgis; Borodinecs, Anatolijs; Geikins, Aleksandrs; Kalamees, Targo; Kuusk, Kalle Energy procedia 2016 / p. 285-293 : ill

<https://doi.org/10.1016/j.egypro.2016.09.151> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Wind power variation identification using ramping behavior analysis

Mishra, Sambheet; Leinakse, Madis; Palu, Ivo Energy procedia 2017 / p. 565-571 : ill <https://doi.org/10.1016/j.egypro.2017.11.075>

[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Window model and 5 year price data sensitivity to cost-effective facade solutions for office buildings in Estonia

Thalfeldt, Martin; Pikas, Ergo; Kurnitski, Jarek; Voll, Hendrik Energy 2017 / p. 685-697 : ill

<https://doi.org/10.1016/j.energy.2017.06.160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Work-cells concept development for high mix low volume market conditions

Karaulova, Tatjana; Ševtšenko, Eduard Procedia engineering 2015 / p. 90-99 : ill <https://doi.org/10.1016/j.proeng.2015.01.346>

[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)