

**Aasta parim tehasemaja : Timbeco toodetud moodullasteed Kiili Vallas**

Ehitaja 2024 / lk. 32 : fot [https://www.ester.ee/record=b1072123\\*est](https://www.ester.ee/record=b1072123*est)

**Aasta tehasemaja : võistlustules kortermajad**

Kurnitski, Jarek EhitusEST 2015 / lk. 46-47 : fot

**Actual energy performance and indoor climate in Finnish NZEB daycare and school buildings**

Ahmed, Kaiser; Hasu, Tero; **Kurnitski, Jarek** Journal of building engineering 2022 / art. 104759

<https://doi.org/10.1016/j.jobbe.2022.104759> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Advances in European residential ventilation systems in nearly zero energy buildings**

**Kurnitski, Jarek** 39th AIVC : Smart ventilation for buildings : 7th TightVent : 5th Venticool Conference, 18-19 September, 2018, Antibes Juan-Les-Pins, France : [poster abstracts] 2018 / 26 p. : ill <http://aivc2018conference.org/>

**Ainult enda päikesepaneelidest jääb energiakindluse tagamiseks väheks**

Raig, Tanel TööstusEST 2020 / lk. 50-53 : fot [http://www.ester.ee/record=b4481084\\*est](http://www.ester.ee/record=b4481084*est) <https://toostusest.ee/uudis/2020/09/23/ainult-enda-paikesepaneelidest-jaab-energiakindluse-tagamiseks-vaheks/>

**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 distribution and air handling unit configuration effects on energy performance in an air-heated ice rink arena**

Taebnia, Mehdi; Toomla, Sander; Leppä, Lauri; **Kurnitski, Jarek** Energies 2019 / art. 693, 21 p. : ill <https://doi.org/10.3390/en12040693> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Air distribution and air handling unit configuration effects on energy performance in an air-heated ice rink arena**

Taebnia, Mehdi; Toomla, Sander; Leppä, Lauri; **Kurnitski, Jarek** Energy and technical building systems - scientific and technological advances 2020 / p. 32-52 : ill <https://doi.org/10.3390/books978-3-03928-179-4>

**Air leakages in air handling units with rotary heat exchanger : estimating extract air transfer to supply air flow**

**Simson, Raimo; Vösa, Karl-Villem; Kiil, Martin; Mikola, Alo; Kurnitski, Jarek** Healthy Buildings America 2021, Honolulu, Hawaii, USA, January 18-20, 2022 : virtual format 2022 / 2 p. : ill [https://hb2021-america.exordo.com/files/papers/309/final\\_draft/HB2021\\_AHU\\_air\\_leakages.pdf](https://hb2021-america.exordo.com/files/papers/309/final_draft/HB2021_AHU_air_leakages.pdf)

**Air pressure conditions in Finnish residences : [abstract] [Electronic resource]**

**Kalamees, Targo; Kurnitski, Jarek;** Jokisalo, Juha; Eskola, Lari; Jokiranta, Kai; Vinha, Juha Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007 / p. 278 [CD-ROM]

**Air pressure conditions in Finnish residences [Electronic resource]**

**Kalamees, Targo; Kurnitski, Jarek;** Jokisalo, Juha; Eskola, Lari; Jokiranta, Kai; Vinha, Juha Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007 / [CD-ROM]

**Airflow performance of ventilated sub flooring system**

**Kalamees, Targo; Kurnitski, Jarek;** Helenius, Tapio Building and environment 2007 / 10, p. 3708-3716 : ill

**Airtightness of residential buildings in Finland**

Vinha, Juha; Manelius, Elina; **Kurnitski, Jarek** Building and environment 2015 / p. 128-140 : ill

**Akadeemik : auku energeetikaalases hariduses lapime 30 aastat**

**Kurnitski, Jarek** aripaev.ee 2022 [Akadeemik: auku energeetikaalases hariduses lapime 30 aastat](#)

**Akadeemik Jarek Kurnitski tutvustab teekaarti, mis juhatas Tehnikaülikooli kadunud megavati otsingule**

**Kurnitski, Jarek** digi.geenius.ee 2025 <https://digi.geenius.ee/blogi/teadus-ja-tulevik/akadeemik-jarek-kurnitski-tutvustab-teekaarti-mis-juhatas-tehnikaukooli-kadunud-megavati-otsingule/>

**Akadeemik Jarek Kurnitski: tahame olla maailma tipus, aga piirdume siiski külma kliimaga ehk troopikasse ei trügi**

**Kurnitski, Jarek** digi.geenius.ee 2024 [Akadeemik Jarek Kurnitski: tahame olla maailma tipus, aga piirdume siiski külma kliimaga ehk troopikasse ei trügi](#)

**Akadeemik selgitab, kuidas käitada haiguspuhangu ajal ventilatsioonisüsteeme [Võrguväljaanne]**

**Kurnitski, Jarek** novaator.err.ee 2020 / fot [Akadeemik selgitab, kuidas käitada haiguspuhangu ajal ventilatsioonisüsteeme](#)

**Akadeemikud: V3 väljakutsete vanik [Võrguväljaanne]**

**Soomere, Tarmo; Kurnitski, Jarek; Randma-Liiv, Tiina; Vasar, Eero** postimees.ee 2021

<https://leht.postimees.ee/7192307/akadeemikud-v3-valjakutsete-vanik>

**Analüüs : Eesti hoonefondi kaasajastamine nõuab 24 miljardit eurot [Võrguväljaanne]**

Oidermaa, Jaan-Juhan; Kurnitski, Jarek novaator.err.ee 2020 / fot [Analüüs: Eesti hoonefondi kaasajastamine nõuab 24 miljardit eurot](#)

**Analyses of the extra cost of NZEB and low energy apartment buildings**

Thalfeldt, Martin; Pikas, Ergo; Kurnitski, Jarek World Sustainable Energy Days 2015 : Young Researchers' Conference : Energy Efficiency : 25-27 February 2015, Wels, Austria 2015

**Analyzing the fulfillment of daylight and overheating requirements in residential and office buildings in Estonia**

Sepulveda Luque, Abel; De Luca, Francesco; Thalfeldt, Martin; Kurnitski, Jarek Building and environment 2020 / art. 107036, 12 p <https://doi.org/10.1016/j.buildenv.2020.107036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analytical modelling and prediction formulas for domestic hot water consumption in residential Finnish apartments**

Ferrantelli, Andrea; Ahmed, Kaiser; Pylsy, Petri; Kurnitski, Jarek Energy and buildings 2017 / p. 53-60 : ill <https://doi.org/10.1016/j.enbuild.2017.03.021> [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](#)

**Arvamusfestival - olla või mitte olla**

Kurnitski, Jarek Mente et Manu 2017 / lk. 45 [https://www.ttu.ee/public/m/mente-et-manu/MM\\_05\\_2017/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_05_2017/mobile/index.html)  
[https://artiklid.elnet.ee/record=b2827021\\*est](https://artiklid.elnet.ee/record=b2827021*est)

**Arvamusfestival : töö liginullenergiahoonetega ei lõpe aastal 2020**

Kiisler, Eva; Veske, Andres; Kurnitski, Jarek; Koit, Priit; Sillmann, Karin; Hani, Allan Ehitaja 2017 / lk. 17-18 : fot [https://artiklid.elnet.ee/record=b2824285\\*est](https://artiklid.elnet.ee/record=b2824285*est)

**Arvate, et teile müüdi A-energiaklassi korter? Mõõtku uuesti**

Raig, Tanel arileht.delfi.ee 2023 [Arvate, et teile müüdi A-energiaklassi korter? Mõõtku uuesti](#)

**Assessing the applicability of the European standard EN 17037:2018 for office spaces in a cold climate**

Sepulveda Luque, Abel; De Luca, Francesco; Varjas, Toivo; Kurnitski, Jarek Building and environment 2022 / art. 109602 <https://doi.org/10.1016/j.buildenv.2022.109602> [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 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](#)

**Assessment of SARS-CoV-2 transmission in room with mixing ventilation using CO2 tracer gas technique**

Simson, Raimo; Kiil, Martin; Võsa, Karl-Villem; Kesküll, Andre; Kurnitski, Jarek Healthy Buildings America 2021, Honolulu, Hawaii, USA, January 18-20, 2022 : virtual format 2022 / 2 p. : ill [https://hb2021-america.exordo.com/files/papers/397/final\\_draft/HB2021\\_SARS-CoV-2\\_infection\\_risk.pdf](https://hb2021-america.exordo.com/files/papers/397/final_draft/HB2021_SARS-CoV-2_infection_risk.pdf)

**ASTRA toel Põhjamaade juhtivate tehnikaülikoolide tasemele**

Auväart, Aivar Mente et Manu 2016 / lk. 26-29 : ill [https://artiklid.elnet.ee/record=b2797136\\*est](https://artiklid.elnet.ee/record=b2797136*est)

**Asuinrakennusten ilmanpitävyys, sisäilmasto ja energiatalous**

Vinha, Juha; Korpi, Minna; Kalamees, Targo; Kurnitski, Jarek 2009

**Asuntojen ilmanvaihto ja ilmanpitävyytutkimus - asukkaiden viihtyisyys pien- ja kerrostaloissa**

Palonen, J.; Kalamees, Targo; Kurnitski, Jarek Sisäilmastoseminaari 2009 2009 / p. 137-142  
<https://researchportal.tuni.fi/en/publications/asuntojen-ilmanvaihto-ja-ilmanpit%C3%A4vyystutkimus-asukkaiden-viihtyi>

**Asunomessutalojen energiatehokkuus : Tampereen asunomessujen pientalojen energiatehokkuuden lähempi tarkastelu osoittaa yllättävän suurta vaihtelua**

Kurnitski, Jarek TM rakennusmaailma 2012 / s. 30-36 : ill

**Avaldati nakatumisriskil põhinev ventilatsiooni projekteerimisjuh**

**Kurnitski, Jarek** EhitusEST 2023 / lk. 38-39 : fot [https://www.ester.ee/record=b4442657\\*est](https://www.ester.ee/record=b4442657*est)

**Basic design principles of nZEB buildings in scoping and conceptual design**

**Voll, Hendrik**; Kosonen, Risto; **Kurnitski, Jarek** Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 103-134 : ill [https://doi.org/10.1007/978-1-4471-5610-9\\_7](https://doi.org/10.1007/978-1-4471-5610-9_7) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**Benchmarking the measured energy use of Nordic residential buildings and their Zero Energy-readiness**

**Ferrantelli, Andrea**; **Thalfeldt, Martin**; **Kurnitski, Jarek** CLIMA 2022: the 14th REHVA HVAC World Congress, 22nd – 25th May in Rotterdam, The Netherlands 2022 / p. 1-8 <https://doi.org/10.34641/clima.2022.171>

**Benchmarking Danish, Estonian and Finnish NZEB requirements with European Commission recommendations in residential and office buildings**

**Simson, Raimo**; Thomsen, Kirsten Engelund; Wittchen, Kim Bjarne; **Kurnitski, Jarek** Energy and Buildings 2025 / art. 116086 <https://doi.org/10.1016/j.enbuild.2025.116086>

**Bioreactivity, guttation and agents influencing surface tension of water emitted by actively growing indoor mould isolates**

Andersson, Maria A.; Salo, Johanna; Kedves, Orsolya; Kredics, Laszlo; Druzhinina, Irina; **Kurnitski, Jarek**; Salonen, Heidi Microorganisms 2020 / art. 1940, 20 p <https://doi.org/10.3390/microorganisms8121940> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Building characteristics, indoor environmental quality, and mathematics achievement in Finnish elementary schools**

Toyinbo, Oluyemi; Shaughnessy, Richard; Turunen, Mari; **Kurnitski, Jarek** Building and environment 2016 / p. 114-121 : ill <http://dx.doi.org/10.1016/j.buildenv.2016.04.030>

**Building leakage, infiltration and energy performance analyses for Finnish detached houses**

Jokisalo, Juha; **Kurnitski, Jarek**; Korpi, Minna; **Kalamees, Targo**; Vinha, Juha Building and environment 2009 / 2, p. 377-387 : ill

**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](#)

**Building sustainability objective assessment in Estonian context and a comparative evaluation with LEED and BREEAM**

**Seinre, Erkki**; **Kurnitski, Jarek**; **Voll, Hendrik** Building and environment 2014 / p. 110-120 : ill <https://doi.org/10.1016/j.buildenv.2014.08.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Buildings' energy efficiency measures effect on CO2 emissions in combined heating, cooling and electricity production**

Pylsy, Petri; **Lylykangas, Kimmo Sakari**; **Kurnitski, Jarek** Renewable and sustainable energy reviews 2020 / art. 110299, 18 p : ill <https://doi.org/10.1016/j.rser.2020.110299> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)

**Causality and interpretation : integrating the technical and social aspects of design = Põhjuslikkus ja tõlgendamine : projekteerimise tehniliste ja sotsiaalsete aspektide sidumine**

**Pikas, Ergo** 2019 [https://www.ester.ee/record=b5234938\\*est](https://www.ester.ee/record=b5234938*est) <https://digi.lib.ttu.ee/ii/?11966>

**The circadian rhythm of total volatile organic compounds, carbon dioxide, and formaldehyde concentrations and the physical parameters in rooms with and without air-related irritation symptoms**

Castagnoli, Emmanuelle; Mikkola, Raimo; **Kurnitski, Jarek**; Salonen, Heidi 14th International Conference on Indoor Air Quality and Climate (Indoor Air 2016) : Ghent, Belgium, 3-8 July 2016. Vol. 5 2016 / p. 2803-2809 : ill

**CLIMA 2019 Congress, Bucharest, Romania, May 26-29, 2019**

2019 <https://www.e3s-conferences.org/articles/e3sconf/abs/2019/37/contents/contents.html>

**CO2 jalajälje andmebaasil on veel arenguruumi**

Vilk, Urve Ehitaja 2024 / lk. 32-34 : fot [https://www.ester.ee/record=b1072123\\*est](https://www.ester.ee/record=b1072123*est) [https://artiklid.elnet.ee/record=b2909894\\*est](https://artiklid.elnet.ee/record=b2909894*est)

**A combined analytical model for increasing the accuracy of heat emission predictions in rooms heated by radiators**

**Võsa, Karl-Villem**; **Ferrantelli, Andrea**; **Kurnitski, Jarek** Journal of building engineering 2019 / p. 291-300 <https://doi.org/10.1016/j.jobe.2019.02.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Simson, Raimo;** Thomsen, Kirsten Englund; 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 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](#)

## **A comparative study on cooling period thermal comfort assessment in modern open office landscape in Estonia**

**Kiil, Martin; Simson, Raimo; Thalfeldt, Martin; Kurnitski, Jarek** Atmosphere 2020 / art. 127, 21 p. : ill <https://doi.org/10.3390/atmos11020127> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Comparison of energy performance requirements in selected countries**

**Kurnitski, Jarek;** Grönlund, Victoria; Reinikainen, Erja Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013 / [10] p. : ill

## **A comparison of measured and simulated air pressure conditions of a detached house in a cold climate**

Jokisalo, Juha; **Kalamees, Targo; Kurnitski, Jarek;** Eskola, Lari; Jokiranta, Kai; Vinha, Juha Journal of building physics 2008 / p. 67-89 : ill <https://doi.org/10.1177/1744259108091901>

## **A comparison of measured and simulated air pressure conditions of a detached house in a cold climate [Electronic resource]**

Jokisalo, Juha; **Kalamees, Targo; Kurnitski, Jarek;** Eskola, Lari; Jokiranta, Kai Building Enclosure Science & Technology : BEST 1 Conference : Minneapolis, USA, 10-12.06.2008 2008 / ? p. [CD-ROM]

## **Comparison of simplified and detailed window models in energy simulations**

**Thalfeldt, Martin; Kurnitski, Jarek; Voll, Hendrik** Proceedings of REHVA Annual Conference "Advanced HVAC and Natural Gas Technologies" : Riga, Latvia, May 6-9, 2015 2015 / p. 26-31 : ill

## **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](#)

## **Complexity in designing energy efficient buildings : towards understanding decision networks in design**

**Pikas, Ergo;** Koskela, Lauri; **Thalfeldt, Martin;** Dave, Bhargav; **Kurnitski, Jarek** Global Knowledge - Global Solutions : 23rd Annual Conference of the International Group for Lean Construction : Perth, Australia, July 29-31, 2015 : proceedings of IGLC23 2015 / p. 213-222 : ill

## **Compliance with summer thermal comfort requirements in apartment buildings**

**Simson, Raimo; Kurnitski, Jarek; Maivel, Mikk; Kalamees, Targo** Proceedings of REHVA Annual Conference "Advanced HVAC and Natural Gas Technologies" : Riga, Latvia, May 6-9, 2015 2015 / p. 64-69 : ill

## **Comprehensive workflow for documenting corporate commuting emissions : a university case study with two alternative approaches**

**Jiang, Qidi; Kurnitski, Jarek** Proceedings of the 2nd international conference on advanced civil engineering and smart structures 2024 / p. 68-77 [https://doi.org/10.1007/978-981-97-1514-5\\_8](https://doi.org/10.1007/978-981-97-1514-5_8) [Conference proceedings at Scopus](#) [Article at Scopus](#)

## **Control dynamics and parameters for low energy heating applications = Juhtimise dünaamika ja parameetrid madalenergia küttesüsteemides**

**Parts, Tuule Mall** 2023 <https://doi.org/10.23658/taltech.50/2023> <https://digikogu.taltech.ee/et/Item/85469015-8f1c-450f-a609-73a70a255bc6> [https://www.ester.ee/record=b5638401\\*est](https://www.ester.ee/record=b5638401*est)

## **Cooling thermal comfort and efficiency parameters of ceiling panels, underfloor cooling, fan-assisted radiators, and fan coil**

**Võsa, Karl-Villem; Ferrantelli, Andrea; Kurnitski, Jarek** Energies 2022 / art. 4156 <https://doi.org/10.3390/en15114156> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Coronavirus disease 2019 and airborne transmission : science rejected, lives lost. Can society do better?**

Morawska, Lidia; Bahnfleth, William; Bluysen, Philomena M.; Boerstra, Atze; Buonanno, Giorgio; Dancer, Stephanie J.; Floto, Andres; Franchimon, Francesco; Haworth, Charles; Hogeling, Jaap; Isaxon, Christina; Jimenez, Jose L.; **Kurnitski, Jarek** Clinical infectious diseases 2023 / p. 1854 - 1859 <https://doi.org/10.1093/cid/ciad068> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Corrigendum to “New dose-response model and SARS-CoV-2 quanta emission rates for calculating the long-range airborne infection risk” [Build. Environ. 228 (2023) 109924] (S0360132322011544), (10.1016/j.buildenv.2022.109924)**  
Aganovic, Amar; Cao, Guangyu; Kurnitski, Jarek; Wargoeki, Pawel Building and environment 2024 / art. 111494, 1 p  
<https://doi.org/10.1016/j.buildenv.2024.111494> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cost optimal and nearly zero energy building solutions for office buildings**  
Pikas, Ergo; Thalfeldt, Martin; Kurnitski, Jarek Energy and buildings 2014 / p. 30-42 : ill <https://doi.org/10.1016/j.enbuild.2014.01.039>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cost optimal and nearly zero energy performance requirements for buildings in Estonia**  
Kurnitski, Jarek; Saari, Arto; Kalamees, Targo; Vuolle, Mika; Niemelä, Jouko; Tark, Teet Estonian journal of engineering 2013 / p. 183-202 : ill [https://artiklid.elnet.ee/record=b2632889\\*est](https://artiklid.elnet.ee/record=b2632889*est) <https://doi.org/10.3176/eng.2013.3.02> [Article at Scopus](#)

**Cost optimal and nearly zero (nZEB) energy performance calculations for residential buildings with REHVA definition for nZEB national implementation**  
Kurnitski, Jarek; Saari, Arto; Kalamees, Targo; Vuolle, Mika; Niemelä, Jouko; Tark, Teet Energy and buildings 2011 / p. 3279-3288 : ill

**Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies**  
2013

**Cost optimal energy performance**  
Kurnitski, Jarek Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 47-56 : ill [https://doi.org/10.1007/978-1-4471-5610-9\\_4](https://doi.org/10.1007/978-1-4471-5610-9_4) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**Cost optimal energy savings and scenarios for ENMAK 2030+ energy action plan**  
Kurnitski, Jarek; Kuusk, Kalle Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / p. 63-73 : ill

**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](#)

**Cost-effective energy-efficient building retrofitting : materials, technologies, optimization and case studies**  
2017 [http://www.estee.ee/record=b4674305\\*est](http://www.estee.ee/record=b4674305*est) <https://www.sciencedirect.com/science/book/9780081011287>

**Covid-19 leviku tõkestamisel võib mängida võtmerolli hea ventilatsioon [Võrguväljaanne]**  
Kurnitski, Jarek novaator.err.ee 2020 / fot [Covid-19 leviku tõkestamisel võib mängida võtmerolli hea ventilatsioon](#)

**CPT, CPTu and DCPT methods for predicting the ultimate bearing capacity of cast in situ displacement piles in silty soils**  
Leetsaar, Lehar; Korkiala-Tanttu, Leena; Kurnitski, Jarek Geotechnical and Geological Engineering 2022 / p. 631-652 : ill  
<https://doi.org/10.1007/s10706-022-02292-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Critical discussion on the challenges of integrating heat pumps in hydronic systems in existing buildings**  
Cholewa, Tomasz; Bejan, Andrei-Stelian; Miara, Marek; Schauer, Christian; Kosonen, Risto; Borodinecs, Anatolijs; Bogdanovičs, Raimonds; Amanowicz, Łukasz; Vering, Christian; Siuta-Olcha, Alicja; Kurnitski, Jarek Energy 2025 / art. 136158  
<https://doi.org/10.1016/j.energy.2025.136158>

**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](#)

**Data for occupancy internal heat gain calculation in main building categories**  
Ahmed, Kaiser; Kurnitski, Jarek; Olesen, Bjarne Data in brief 2017 / p. 1030-1034 : tab <https://doi.org/10.1016/j.dib.2017.10.036>

**Data-driven baseline generation for post-retrofit energy saving assessment, a comparison of statistical and machine learning methods**  
Kuivjõgi, Helena; Vasman, Sofia; Petlenkov, Eduard; Thalfeldt, Martin; Kurnitski, Jarek Journal of building engineering 2024 / art. 111016 <https://doi.org/10.1016/j.job.2024.111016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Daylight and overheating prediction formulas for building design in a cold climate**  
Sepulveda Luque, Abel; De Luca, Francesco; Kurnitski, Jarek Journal of building engineering 2022 / art. 103532, 15 p. : ill  
<https://doi.org/10.1016/j.job.2021.103532> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Daylighting and energy performance design for single floor commercial hall buildings**

**De Luca, Francesco; Simson, Raimo; Voll, Hendrik; Kurnitski, Jarek** Management of environmental quality : an international journal 2018 / p. 722-739 : ill <https://doi.org/10.1108/MEQ-10-2017-0110> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **DC-ready photovoltaic solar converter**

**Matiushkin, Oleksandr; Husev, Oleksandr; Vinnikov, Dmitri; Kurnitski, Jarek** PCIM Europe 2023 : Conference proceedings 2023 / 7 p <https://doi.org/10.30420/566091094> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Demand controlled ventilation indoor climate and energy performance in a high performance building with air flow rate controlled chilled beams**

Ahmed, Kaiser; **Kurnitski, Jarek**; Sormunen, Piia Energy and buildings 2015 / p. 115-126 : ill <https://doi.org/10.1016/j.enbuild.2015.09.052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Design and development of solid state circuit breaker with residual current protection for residential prosumer DC microgrids**

**Jalakas, Tanel; Chub, Andrii; Roasto, Indrek; Vinnikov, Dmitri; Kurnitski, Jarek** Proceedings of the Estonian Academy of Sciences 2025 / p. 281-290 <https://doi.org/10.3176/proc.2025.2S.02>

### **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](#)

### **Detailed and simplified window model and opening effects on optimal window size and heating need**

**Thalfeldt, Martin; Kurnitski, Jarek; Voll, Hendrik** Energy and buildings 2016 / p. 242-251 : ill <https://doi.org/10.1016/j.enbuild.2016.06.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Detection of Chaetomium globosum, Ch. cochliodes and Ch. rectangulare during the Diversity Tracking of Mycotoxin-Producing Chaetomium-like Isolates Obtained in Buildings in Finland**

Salo, Marja Johanna; Kedves, Orsolya; Mikkola, Raimo; Kredics, Laszlo; Andersson, Maria A.; **Kurnitski, Jarek**; Salonen, Heidi Toxins 2020 / art. 443, 22 p. <https://doi.org/10.3390/toxins12070443> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Developing energy calculation methodology and calculation tool validations : Application in air-heated ice rink arenas**

Taebnia, Mehdi; Toomla, Sander; Leppä, Lauri; **Kurnitski, Jarek** Energy and buildings 2020 / art. 110389, 19 p. : ill <https://doi.org/10.1016/j.enbuild.2020.110389> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development of a reduced order model of solar heat gains prediction**

**Tamm, Meril; Cid, Jordi Macia; Paramio, Roser Capdevila; Baulenas, Joan Farnos; Thalfeldt, Martin; Kurnitski, Jarek** Energies 2020 / art. 6316, 17 p. : ill <https://doi.org/10.3390/en13236316> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Dismantling myths on the airborne transmission of severe acute respiratory syndrome coronavirus (SARS-CoV-2)**

Tang, J.W.; Bahnfleth, William; Bluysen, P.M.; Buonanno, G.; Jimenez, J.L.; **Kurnitski, Jarek** Journal of hospital infection 2021 / p. 89-96 <https://doi.org/10.1016/j.jhin.2020.12.022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The distribution of the air leakage places and thermal bridges in Finnish detached houses and apartment buildings**

**Kalamees, Targo**; Korpi, Minna; Eskola, Lari; **Kurnitski, Jarek**; Vinha, Juha Proceedings of the 8th Symposium on Building Physics in the Nordic Countries : Copenhagen, Denmark, June 16-18, 2008. 3 2008 / p. 1095-1102 [https://www.academia.edu/90749708/The\\_distribution\\_of\\_the\\_air\\_leakage\\_places\\_and\\_thermal\\_bridges\\_in\\_Finnish\\_detached\\_houses\\_and\\_apartment\\_buildings](https://www.academia.edu/90749708/The_distribution_of_the_air_leakage_places_and_thermal_bridges_in_Finnish_detached_houses_and_apartment_buildings)

### **The distribution of the air leakage places and thermal bridges of different types of detached houses and apartment buildings**

**Kalamees, Targo; Kurnitski, Jarek**; Korpi, Minna; Vinha, Juha 2. Europäisches BlowerDoor-Symposium Dichte Gebäudehülle Thermografie und Wohnungslüftung = 2nd European BlowerDoor-Symposium Tight Building Envelope, Thermography and Dwelling Ventilation : Kassel, Germany, March 16 and 17 2007 2007 / p. 71-81 [https://repo.tuni.fi/bitstream/handle/10024/128669/Kalamees\\_The\\_distribution\\_of\\_the\\_air\\_leakage\\_places\\_and\\_thermal\\_bridges\\_in\\_Finnish\\_detached\\_houses\\_and\\_apartment\\_buildings.pdf?sequence=1](https://repo.tuni.fi/bitstream/handle/10024/128669/Kalamees_The_distribution_of_the_air_leakage_places_and_thermal_bridges_in_Finnish_detached_houses_and_apartment_buildings.pdf?sequence=1)

### **Do national energy performance requirements promote or compromise good indoor climate?**

**Kurnitski, Jarek** Proceedings of Healthy Buildings 2012 : Brisbane, Australia 8-12 July 2012 2012 / [6] p. : ill [https://www.researchgate.net/publication/287056294\\_Do\\_national\\_energy\\_performance\\_requirements\\_promote\\_or\\_compromise\\_good\\_indoor\\_climate](https://www.researchgate.net/publication/287056294_Do_national_energy_performance_requirements_promote_or_compromise_good_indoor_climate)

### **Domestic hot water profiles for energy calculation in Finnish residential buildings**

Ahmed, Kaiser; Pylsy, Petri; **Kurnitski, Jarek** World Sustainable Energy Days 2015, Young researchers conference : energy efficiency : February 25-26, 2015, Wels, Austria 2015 / [8] p. : ill

**Draught and Infection Risk Control in Modern Educational and Office Spaces = Tõmbus- ja nakkusriski ohjamine kaasaegsetel haridus- ja büroopindadel**

**Kiil, Martin** 2025 [https://www.ester.ee/record=b5754732\\*est](https://www.ester.ee/record=b5754732*est) <https://digikogu.taltech.ee/et/Item/e12facc0-069c-455a-b91b-ed472db43f80>  
<https://doi.org/10.23658/taltech.50/2025>

**Dynamic heating control measured and simulated effects on power reduction, energy and indoor air temperature in an old apartment building with district heating**

Hajian, Hatef; Ahmed, Kaiser; **Kurnitski, Jarek** Energy and buildings 2022 / art. 112174 <https://doi.org/10.1016/j.enbuild.2022.112174>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Early stage CAD-compliant energy performance assessment method**

**Kurnitski, Jarek; Kalamees, Targo; Tark, Teet** Seventh International Cold Climate HVAC Conference : November 12-14, 2012, Calgary, Canada 2012 / p. 191-198 : ill [https://www.researchgate.net/publication/289191364\\_Early\\_stage\\_CAD-compliant\\_energy\\_performance\\_assessment\\_method](https://www.researchgate.net/publication/289191364_Early_stage_CAD-compliant_energy_performance_assessment_method)

**Early stage CAD-compliant energy performance assessment method**

**Kurnitski, Jarek; Kalamees, Targo; Tark, Teet** Journal of energy and power engineering 2013 / p. 1662-1668 : ill

**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](#)

**Editorial - IEA-ECES Annex 31 special issue on thermal energy storage**

**Kurnitski, Jarek; Haghighat, Fariborz; Mirzaei, Parham A.** Energy and buildings 2015 / p. 1-2  
<https://doi.org/10.1016/j.enbuild.2015.08.024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**EEMontti – Lämmityskulut puoleen : energiaremontilla innovatiivisia ratkaisuja sähkölämmitteisten pientalojen energiatehokkuuden ja ilmanvaihdon parantamiseksi**

Häkämies, S.; **Kurnitski, Jarek** Sisäilmastoseminaari 2012 : Espoo 14.3.2012 : SIY Raportti 30 2012 / s. 275–280

**Eesti hooned liiguvad heitevabade standardite suunas**

ehitusuudised.ee 2025 <https://www.ehitusuudised.ee/uudised/2025/06/11/eesti-hooned-liiguvad-heitevabade-standardite-suunas>

**Eesti kodusid kimbutab liiga kõrge CO2 tase**

Piir, Rait novaator.err.ee 2024 [Eesti kodusid kimbutab liiga kõrge CO2 tase](#)

**Eesti maju gaasiplahvatus rängalt ei kahjustaks**

**Kurnitski, Jarek** Postimees 2017 / lk. 6 <https://www.postimees.ee/4309273/eesti-kortermaju-gaasiplahvatus-rangalt-ei-kahjustaks>

**Eesti Nokia leitud : poole energiatarbimisest saaks maailmas kokku hoida**

Berendson, Risto; **Kurnitski, Jarek** Õhtuleht 2019 / lk. 4-5 : portr <https://www.oh tuleht.ee/982581/eesti-nokia-leitud-poole-energiatarbimisest-saaks-maailmas-kokku-hoida> [https://www.ester.ee/record=b1408161\\*est](https://www.ester.ee/record=b1408161*est)

**Eesti piirialale punkrite ehitamiseks kulub viie korterelamu jagu materjali = Bunkers development to require enough material to build five blocks of flats**

Rohemäe, Maria-Ann err.ee 2024 [Eesti piirialale punkrite ehitamiseks kulub viie korterelamu jagu materjali](#) [Bunkers development to require enough material to build five blocks of flats](#) [Эксперты рассказали, как будут выглядеть бункеры в приграничных районах Эстонии](#)

**Eesti teadlased töötasid välja meetodi energiamärgise koheseks määramiseks**

director.ee 2023 [Eesti teadlased töötasid välja meetodi energiamärgise koheseks määramiseks](#) [Eestis töötati välja uudne energiamärgise määramise lahendus](#) [Eestis töötati välja uudne energiamärgise määramise lahendus](#)

**Eesti teadlased töötasid välja meetodi kohese energiamärgise määramiseks**

jarvateataja.postimees.ee 2023 [Eesti teadlased töötasid välja meetodi kohese energiamärgise määramiseks](#)

**Eesti tudengid saavutasid Saint-Gobaini arhitektuurivõistlusel kõrge koha**

Ehitaja 2025 / lk. 13 [https://www.ester.ee/record=b1072123\\*est](https://www.ester.ee/record=b1072123*est)

**Eesti Vabariigi 2018. aasta teaduspreemia laureaadid TTÜst**

**Vähi, Kersti; Buldas, Ahto; Kotta, Ülle; Kurnitski, Jarek; Raudla, Ringa** Mente et Manu 2018 / lk. 26-27 : portr <https://www.ttu.ee/ttu-uudised/ajaleht-mente-et-manu/mente-et-manu/> [http://www.ester.ee/record=b1242496\\*est](http://www.ester.ee/record=b1242496*est)  
[https://artiklid.elnet.ee/record=b2836028\\*est](https://artiklid.elnet.ee/record=b2836028*est)

## **Eestis kehtima hakanud liginullenergianõuete võrdlus naaberriikidega**

**Kurnitski, Jarek** Eesti Ehituskonsultatsiooniettevõtete Liit, EKEL : [aastaraamat] = Estonian Association of Architectural and Consulting Engineering Companies, EAACEC 2020 / lk. 23-26 : ill, fot [https://ekel.ee/images/files/failid/EKEL\\_AASTARAAMAT\\_2020.pdf](https://ekel.ee/images/files/failid/EKEL_AASTARAAMAT_2020.pdf)  
[https://www.ester.ee/record=b1222961\\*est](https://www.ester.ee/record=b1222961*est)

## **Eestis loodud nutiventilatsiooniseade toob leevendust kehvale toaõhule : [ka J. Kurnitski kommentaaridega]**

Linnaleht 2018 / lk. 17 : fot

## **Eestis on veel 14 000 renoveerimist vajavat kortermaja**

Kald, Annika Äripäev 2020 / Lk. 14 <https://dea.digar.ee/publication/aripaev>

## **Eestis töötati välja uudne energiamärgise määramise lahendus**

Ehitaja 2023 / lk. 34 : fot [https://www.ester.ee/record=b1072123\\*est](https://www.ester.ee/record=b1072123*est) [https://artiklid.elnet.ee/record=b2904595\\*est](https://artiklid.elnet.ee/record=b2904595*est)

## **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](http://vbn.aau.dk/files/233716910/paper_343.pdf)

## **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](#)

## **Effect of Infector's location and occupants' activity level on airborne spread in a gym – an experimental and CFD study**

Ejaz, Muhammad Farhan; Kilpeläinen, Simo; **Mikola, Alo; Kiil, Martin; Kurnitski, Jarek**; Kosonen, Risto E3S Web of Conferences : Roomvent Conference 2024 2024 / 5 p <https://invitepeople.com/public/events/fe41371a0b/pages/ed19d3ae89>

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

Vornanen-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](#)

## **The effects of local factors on the concentrations and flora of viable fungi in school buildings**

Salonen, Heidi; Castagnoli, Emmanuelle; Vornanen-Winqvist, Camilla; **Kurnitski, Jarek** World Academy of Science, Engineering and Technology. International journal of civil and environmental engineering 2017 / p. 592-595 <http://scholar.waset.org/1307-6892/10007020>

## **Effects of ventilation improvement on measured and perceived indoor air quality in a school building with a hybrid ventilation system**

Vornanen-Winqvist, Camilla; Salonen, Heidi; **Kurnitski, Jarek** International journal of environmental research and public health 2018 / art. 1414, 18 p. : ill <https://doi.org/10.3390/ijerph15071414> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **The effects of ventilation systems and building fabric on the stability of indoor temperature and humidity in Finnish detached houses**

**Kalamees, Targo**; Korpi, Minna; Vinha, Juha; **Kurnitski, Jarek** Building and environment 2009 / 8, p. 1643-1650 : ill

## **Ehitus on muutumas digitaalseks**

Hint, Siie; **Kurnitski, Jarek** Eesti Päevaleht 2019 / Oma Äri, lk. 6

## **Ehituse asjatundja: Eramu energiaklassi annab tõsta vähese vaevaga**

Laks, Liina Pärnu Postimees 2023 / Lk. 6 <https://dea.digar.ee/article/parnupostimees/2023/04/28/9.1>

## **Ehituse Mäemaja - ülikooli uusim, tõhusaim ja ägedaim hoone**

**Kurnitski, Jarek** Mente et Manu 2021 / lk. 22-23 : dot [Mente et Manu 2/2021](#)

## **Ehituse teekaart 2040 [Võrguväljaanne]**

Freimann, Maria; **Ilomets, Simo**; Karafin, Miina; **Kurnitski, Jarek** 2023 [https://rohetiiger.ee/wp-content/uploads/2023/04/EHITUSE-TEEKAART-2040-v1.pdf?fbclid=IwAR1\\_jIRZmtPtKibMUwLul\\_ru7btzHhmt2h2qceafhQJ6SXQtAgnPcXJvWs](https://rohetiiger.ee/wp-content/uploads/2023/04/EHITUSE-TEEKAART-2040-v1.pdf?fbclid=IwAR1_jIRZmtPtKibMUwLul_ru7btzHhmt2h2qceafhQJ6SXQtAgnPcXJvWs)

## **Ehitusinseneeria : iga õppija eest tuleb võidelda**

Leet, Lauri; Vilks, Urve; **Kurnitski, Jarek**; Kiisa, Martti Äripäev 2019 / Ehitusuudised, lk. 6

## **Ehitusinseneeria: iga õppija eest tuleb võidelda**

Leet, Lauri; Vilks, Urve; **Kurnitski, Jarek** Äripäev 2019 / Ehitusuudised, lk. 6

## **Ehitusprofessorid: Praeguse tempoga muudame oma hooneid energiatõhusaks sada aastat**

Jarne, Aivar Pealinn 2023 / Lk. 11 [https://www.ester.ee/record=b1287116\\*est](https://www.ester.ee/record=b1287116*est) **Ehitusprofessorid: Praeguse tempoga muudame oma hooneid**

[energiatõhusaks sada aastat](#)

### **Ehitusteadlased appi rahvusraamatukogu rekonstrueerima**

**Kurnitski, Jarek** Äripäev 2019 / Ehitusuudised, lk. 8

### **Ehitusteaduskonnast ehituse ja arhitektuuri instituudiks**

**Kurnitski, Jarek** 100 aastat TTÜ ehitusinsenere 2018 / lk. 374-383 : portr

### **Ehitusvaldkonna mõttetalgud : ehitussektor on majanduskliima lakmuspaber : [sõna võtsid TTÜst Reet Linnas, Roode Liias, Jarek Kurnitski jt.]**

Kiisler, Eva; Linnas, Reet; Liias, Roode; Kurnitski, Jarek Ehitaja 2013 / lk. 10-12 [https://artiklid.elnet.ee/record=b2617185\\*est](https://artiklid.elnet.ee/record=b2617185*est)

### **Ekspertid: keskkonnasäästlik ehitamine tuleb teha inimestele elamisväärses**

**Kurnitski, Jarek**; Loka, Priidu delfi.ee 2024 [Ekspertid: keskkonnasäästlik ehitamine tuleb teha inimestele elamisväärses](#)

### **Ekspertid: kliimaseaduse väljatöötamine käib kiirrongi kiirusega, aga see ei tohi muuta kinnisvara inimestele kättesaamatult kalliks**

**Kurnitski, Jarek**; Loka, Priidu postimees.ee 2024 [Ekspertid: kliimaseaduse väljatöötamine käib kiirrongi kiirusega, aga see ei tohi muuta kinnisvara inimestele kättesaamatult kalliks](#)

### **Ekspert: korralikult renoveerides püsivad magalarajoonide hooned veel 100 aastat**

Sildvee, Reimo err.ee 2023 [Ekspert: korralikult renoveerides püsivad magalarajoonide hooned veel 100 aastat](#)

### **Elamuehituses tuleb üha enam arvestada kuumade suvedega**

novaator.err.ee 2023 [Elamuehituses tuleb üha enam arvestada kuumade suvedega](#)

### **Electric lighting predictions in the energy calculation methods**

**De Luca, Francesco; Simson, Raimo; Voll, Hendrik; Kurnitski, Jarek** Improving energy efficiency in commercial buildings and smart communities 2020 / p. 123-141 [https://doi.org/10.1007/978-3-030-31459-0\\_9](https://doi.org/10.1007/978-3-030-31459-0_9)

### **E-luku ohjaa rakentamista**

**Kurnitski, Jarek** Kuntatekniikka 2012 / s. 28-29

### **Emissions of DEHP-free PVC flooring**

Castagnoli, Emmanuelle; Backlund, Peter; Talvitie, Oskari; **Kurnitski, Jarek** Indoor air 2019 / p. 903-912 : ill <https://doi.org/10.1111/ina.12591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energia- ja elamumajandus peab olema taskukohane**

Kurnitski, Jarek postimees.ee 2023 [Energia- ja elamumajandus peab olema taskukohane](#)

### **Energiaarvestus toob selguse**

**Kurnitski, Jarek** Äripäev 2019 / Sisustaja, lk. 30

### **Energiamääräykset 2012 : opas uudisrakennusten energiamääräysten soveltamiseen**

**Kurnitski, Jarek** 2012

### **Energiatõhus eramu 2013 : [ka TTÜ Ehitiste projekteerimise instituudi professorite Jarek Kurnitski ja Targo Kalamehe kommentaaridega]**

**Kurnitski, Jarek; Kalamees, Targo** Meie Kodu 2013 / lk. 33-41 : fot

### **Energiatõhusus - paradigma muutus ehituses**

**Kurnitski, Jarek** Horisont 2019 / lk. 20-26 : fot [http://www.ester.ee/record=b1072243\\*est](http://www.ester.ee/record=b1072243*est)

### **Energiatõhusus ja puitmajad**

**Kurnitski, Jarek** Eesti Puitmajaleht 2014 / lk. 4

### **Energiatõhususe arengud ja uued uuringud**

**Kurnitski, Jarek** EhitusEST 2016 / lk. 22-26 : ill [http://www.ester.ee/record=b4442657\\*est](http://www.ester.ee/record=b4442657*est) [https://artiklid.elnet.ee/record=b2801974\\*est](https://artiklid.elnet.ee/record=b2801974*est)

### **Energy analysis in ice hockey arenas and analytical formula for the temperature profile in the ice pad with transient boundary conditions**

**Ferrantelli, Andrea; Viljanen, Klaus; Kurnitski, Jarek** Advances in building energy research 2021 / p. 499-522 : ill <https://doi.org/10.1080/17512549.2019.1615549> [Journal metrics at Scopus](#) [Article at Scopus](#)

Energy and buildings. Vol. 106, SI, IEA-ECES Annex 31 special issue on thermal energy storage

**Energy and daylighting performance design of skylights and clerestories in a large hall retail building**

**De Luca, Francesco; Simson, Raimo; Kurnitski, Jarek** CLIMA 2016 - proceedings of the 12th REHVA World Congress. Vol. 2 2016 / [10] p. : ill [http://vbn.aau.dk/files/233715392/paper\\_655.pdf](http://vbn.aau.dk/files/233715392/paper_655.pdf)

**Energy and investment intensity of integrated renovation and 2030 cost optimal savings**

**Kurnitski, Jarek; Kuusk, Kalle; Tark, Teet; Uutar, Aivar; Kalamees, Targo; Pikas, Ergo** Energy and buildings 2014 / p. 51-59 : ill <https://doi.org/10.1016/j.enbuild.2014.01.044> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Energy and technical building systems - scientific and technological advances**

2020 <https://doi.org/10.3390/books978-3-03928-179-4>

**Energy consumption characteristics based on monitored data : a school case study**

**Vassiljeva, Kristina; Matson, Margarita; Petlenkov, Eduard; Belikov, Juri; Thalfeldt, Martin; Kurnitski, Jarek** CLIMA 2022 : REHVA 14th HVAC World Congress 22nd-25th May in Rotterdam, The Netherlands 2022 / 5 p. : ill <https://doi.org/10.34641/clima.2022.274>

**Energy efficiency measures : in different climates and in architectural competitions**

**Mustakallio, Panu; Kurnitski, Jarek** Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 79-102 : ill

**Energy management implementation approach for droop-controlled residential DC nanogrids**

**Hasan, Sayeed; Chub, Andrii; Yadav, Neelesh; Blinov, Andrei; Kurnitski, Jarek; Vinnikov, Dmitri** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p <https://doi.org/10.1109/ICDCM63994.2025.11144665>

**Energy performance and indoor climate analysis in buildings**

2019 <https://www.mdpi.com/books/pdfview/book/1828> <https://doi.org/10.3390/books978-3-03921-380-1>

**Energy performance certificate classes rating methods tested with data : how does the application of minimum energy performance standards to worst-performing buildings affect renovation rates, costs, emissions, energy consumption?**

**Ferrantelli, Andrea; Kurnitski, Jarek** Energies 2022 / art. 7552 <https://doi.org/10.3390/en15207552> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metric at WOS](#) [Article at WOS](#)

**Energy performance of radiators with parallel and serial connected panels**

**Maivel, Mikk; Konzelmann, Martin; Kurnitski, Jarek** Energy and buildings 2015 / p. 745-753 : ill <https://doi.org/10.1016/j.enbuild.2014.10.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Energy performance of radiators with parallel and serial connected panels**

**Maivel, Mikk; Konzelmann, Martin; Kurnitski, Jarek** The REHVA European HVAC journal 2014 / p. 18-21 : ill

**Energy performance, indoor air quality and comfort in new nearly zero energy day-care centres in northern climatic conditions**

**Kuusk, Kalle; Kaiser, Ahmed; Lolli, Nicola; Johansson, Jan; Kouvola, Tero Hasu; Gunnarshaug Lien, Anne; Arumägi, Endrik; Kalbe, Kristo; Hallik, Jaanus; Kurnitski, Jarek; Kalamees, Targo** Journal of sustainable architecture and civil engineering 2019 / p. 7-16 <https://doi.org/10.5755/j01.sace.24.1.23228>

**Energy pile and heat pump modeling in whole building simulation model**

**Fadejev, Jevgeni; Kurnitski, Jarek** Proceedings of the 2014 Building Simulation and Optimization Conference" : 23-24 June 2014, UCL, London, UK 2014 / [7] p. : ill

**Energy pile field simulation in large buildings: validation of surface boundary assumptions**

**Ferrantelli, Andrea; Fadejev, Jevgeni; Kurnitski, Jarek** Energies 2019 / art. 770, 20 p. : ill <https://doi.org/10.3390/en12050770> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Energy pile field simulation in large buildings: validation of surface boundary assumptions**

**Ferrantelli, Andrea; Fadejev, Jevgeni; Kurnitski, Jarek** Energy and technical building systems - scientific and technological advances 2020 / p. 12-31 : ill <https://doi.org/10.3390/books978-3-03928-179-4>

**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](#)

**Estimating the impact of indoor relative humidity on SARS-CoV-2 airborne transmission risk using a new modification of the Wells-Riley model**

Aganovic, Amar; Bi, Yang; Cao, Guangyu; Drangsholt, Finn; **Kurnitski, Jarek**; Wargocki, Pawel Building and environment 2021 / art. 108278, 14 p. : ill <https://doi.org/10.1016/j.buildenv.2021.108278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Estimating time constants for underfloor heating control**

**Kull, Tuule Mall; Thalfeldt, Martin; Kurnitski, Jarek** Journal of physics : conference series 2019 / art. 012121, 6 p. : ill <https://doi.org/10.1088/1742-6596/1343/1/012121> [Conference proceeding at Scopus](#) [Article at Scopus](#) [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 climate analysis for selecting the test reference year**

**Kalamees, Targo; Kurnitski, Jarek** Proceedings of the Healthy Buildings 2006 : Lisboa, Portugal, 4-8 June. V 2006 / p. 207-212

#### **Estonian climate analysis for selecting the test reference year**

**Kalamees, Targo; Kurnitski, Jarek** Proceedings of the Healthy Buildings 2006 : Lisboa, Portugal, 4-8 June. A 2006 / p. 253

#### **Estonian climate analysis for selecting the test reference year**

**Kalamees, Targo; Kurnitski, Jarek** Annual report / Helsinki University of Technology, HVAC-Laboratory 2006 / [10] p

#### **Estonian test reference year for energy calculations**

**Kalamees, Targo; Kurnitski, Jarek** Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 1, p. 40-58 : ill

#### **Ettekandele järgnenud arutelu : [Eesti Energia juhatuse esimehe Hanno Sutteri ettekandele "Eesti energiamajanduse kümne aasta väljavaade", peetud Eesti Teaduste Akadeemia üldkogul 7. detsembril 2022]**

Saari, Peeter; Sutter, Hanno; **Kurnitski, Jarek; Grossberg-Kuusk, Maarja** Eesti Teaduste Akadeemia sõnas ja pildis 2022 2023 / lk. 55-57 [https://www.ester.ee/record=b5054043\\*est](https://www.ester.ee/record=b5054043*est)

#### **Europarlamenti ettepanek tekitab Eestis renoveerimispaanika**

Gnadenteich, Uwe Postimees 2023 / lk. 6 <https://dega.digar.ee/article/postimees/2023/03/23/3.9>

#### **The European Smart Readiness Indicator (SRI) for buildings - in the making, get involved!**

Litiu, Andrei; Derjanecz, Anita; **Kurnitski, Jarek** The REHVA European HVAC journal 2018 / p. 47-52 : ill <https://www.rehva.eu/rehva-journal/detail/06-2018>

#### **Evaluating daylight factor standard through climate based daylight simulations and overheating regulations in Estonia**

**De Luca, Francesco; Kiil, Martin; Simson, Raimo; Kurnitski, Jarek; Murula, Rein** Proceedings of Building Simulation 2019 : 16th IBPSA International Conference and Exhibition, 2-4 Sept., Rome 2020 / p. 3968-3975 : ill <https://doi.org/10.26868/25222708.2019.210915>

#### **Evaluating the energy readiness of national building stocks through benchmarking**

**Ferrantelli, Andrea; Belikov, Juri; Petlenkov, Eduard; Thalfeldt, Martin; Kurnitski, Jarek** IEEE Access 2022 / p. 45430-45443 : ill <https://doi.org/10.1109/ACCESS.2022.3170716> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **An evaluation of boar spermatozoa as a biosensor for the detection of sublethal and lethal toxicity**

Castagnoli, Emmanuelle; Salo, Johanna; Toivonen, Matti S.; **Kurnitski, Jarek** Toxins 2018 / art. 463, 15 p. : ill <https://doi.org/10.3390/toxins10110463> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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/20191101016> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### **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](#)

#### **An existing best practice of nearly Zero Energy Hotel**

Buso, Tiziana; Corngnati, Stefano Paolo; **Kurnitski, Jarek** The REHVA European HVAC journal 2014 / p. 61-65 : ill

#### **Experimental analysis of emission efficiency of parallel and serial connected radiators in EN442 test chamber**

**Võsa, Karl-Villem; Ferrantelli, Andrea; Kull, Tuule Mall; Kurnitski, Jarek** Applied thermal engineering 2018 / p. 531-544 : ill

**Experimental determination of radiator, underfloor and air heating emission losses due to stratification and operative temperature variations**

**Maivel, Mikk; Ferrantelli, Andrea; Kurnitski, Jarek** Energy and buildings 2018 / p. 220-228 : ill

<https://doi.org/10.1016/j.enbuild.2018.01.061> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Experimental investigation of air distribution and ventilation efficiency in an ice rink arena**

Toomla, Sander; Lestinen, Sami; Kilpeläinen, Simo; Leppä, Lauri; Kosonen, Risto; **Kurnitski, Jarek** International journal of ventilation 2019 / p. 187-203 : ill <https://doi.org/10.1080/14733315.2018.1437881> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**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

**Experimental validation of simulation and measurement-based overheating assessment approaches for residential buildings**

**Simson, Raimo; Kurnitski, Jarek; Kuusk, Kalle** Architectural science review 2017 / p. 192-204 : ill

<https://doi.org/10.1080/00038628.2017.1300130> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Expert: Soviet-era apartment blocks may last another century if maintained**

Sildvee, Reimo news.err.ee 2023 [Expert: Soviet-era apartment blocks may last another century if maintained](#)

**Exposure to indoor air contaminants in school buildings with and without reported indoor air quality problems**

Voranan-Winqvist, Camilla; **Järvi, Kati**; Andersson, Maria A.; **Kurnitski, Jarek** Environment international 2020 / art. 105781, 14 p. : ill <https://doi.org/10.1016/j.envint.2020.105781> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Extent of geotechnical site investigations for buildings in Estonia**

**Leetsaar, Lehar**; Korkiala-Tanttu, Leena; Jaaniso, Valdo; **Kurnitski, Jarek**; **Idnurm, Juhan** 14th Baltic Sea Region Geotechnical Conference : 18-19th of January 2021, Helsinki, Finland 2021 / art. 012001, 12 p. : ill <https://doi.org/10.1088/1755-1315/727/1/012001> Conference Proceedings at Scopus Article at Scopus Article at WOS

**External shading control principles for low energy office buildings**

**Thalfeldt, Martin; Kurnitski, Jarek** NSB 2014 : 10th Nordic Symposium on Building Physics, 15-19 June 2014, Lund, Sweden : full papers 2014 / p. 806-813 : ill

**External shading optimal control macros for 1- and 2-piece automated blinds in European climates**

**Thalfeldt, Martin; Kurnitski, Jarek** Building simulation 2015 / p. 13-25 : ill <https://doi.org/10.1007/s12273-014-0194-3> Journal metrics at Scopus Article at Scopus Journal metrics at WOS 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** Liginullenergiahooneid täna ja homme : artiklite kogumik 2015 / p. 83-90 : ill

**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

**Facade design principles for nearly zero energy buildings in a cold climate**

**Thalfeldt, Martin; Pikas, Ergo; Kurnitski, Jarek; Voll, Hendrik** Energy and buildings 2013 / p. 309-321 : ill

<https://doi.org/10.1016/j.enbuild.2013.08.027> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Faktat pöytään energiatehokkuuskustelussa [Electronic resource]**

**Kurnitski, Jarek** Rakennuslehti 2015 / [1] p <http://www.rakennuslehti.fi/blogit/faktat-poytaan-energiatehokkuuskustelussa/>

**Feasibility Study of Snow Removal from PV Module Using Universal Power Electronic Interface**

**Chauhan, Sachin; Chub, Andrii; Hasan, Sayeed; Lavrov, Artur; Kurnitski, Jarek; Vinnikov, Dmitri** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p

### **Fenestration design for low and nearly zero energy buildings in a cold climate**

**Thalfeldt, Martin; Kurnitski, Jarek; Voll, Hendrik** Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013

### **Field survey of overheating problems in Estonian apartment buildings**

**Maivel, Mikk; Kurnitski, Jarek; Kalamees, Targo** Architectural science review 2015 / p. 1-10 : ill

<https://doi.org/10.1080/00038628.2014.970610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Financial viability of energy-efficiency measures in a new detached house design in Finland**

**Saari, Arto; Kalamees, Targo; Jokisalo, Juha; Michelsson, Rasmus; Alanne, Kari; Kurnitski, Jarek** Applied energy 2012 / p. 76-83

<https://www.sciencedirect.com/science/article/pii/S0306261911006830>

### **Finnish energy renovation subsidies in multifamily apartment buildings : Lessons learnt and best practices**

**Hajian, Hatef; Pylsy, Petri; Simson, Raimo; Ahmed, Kaiser; Sankelo, Paula; Mikola, Alo; Kurnitski, Jarek** Energy and buildings

2024 / art. 113986 <https://doi.org/10.1016/j.enbuild.2024.113986> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Foranstaltninger imod luftbåren transmission af smitsomme sygdomme**

**Wargocki, Pawel; Melikov, Arsen Kriko; Bivolarova, Mariya; Nielsen, Peter V.; Heiselberg, Per; Afshari, Alireza; Zhang, Chen; Schild, Peter G.; Gao, Guangyu; Kurnitski, Jarek** HVAC magasinet : magasin for klima- & energiteknik, miljø, bygningsinstallationer & -netværk 2020 / p. 10-12 <https://ipaper.ipapercms.dk/TechMedia/HVACMagasinet/2020/6/?page=10#/>

### **A future nearly Zero Energy Hotel in Italy**

**Corino, Oriana; Buso, Tiziana; Kurnitski, Jarek** The REHVA European HVAC journal 2015 / 28-32

### **Füüsika praktikumi metoodiline juhend**

1978 [https://www.ester.ee/record=b1266392\\*est](https://www.ester.ee/record=b1266392*est)

### **Geothermal energy piles and boreholes design with heat pump in a whole building simulation software**

**Fadejev, Jevgeni; Kurnitski, Jarek** Energy and buildings 2015 / p. 23-34 : ill <https://doi.org/10.1016/j.enbuild.2015.06.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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](#)

### **A guide for renovation solution types of ventilation and building envelopes of typical post WWII apartment buildings**

**Kalamees, Targo; Thalfeldt, Martin; Zelenski, Maksim; Meos, Heiki; Laas, Margus; Kurnitski, Jarek; Kuusk, Kalle** 14th International Conference on Indoor Air Quality and Climate (Indoor Air 2016) : Ghent, Belgium, 3-8 July 2016. Vol. 3 2016 / p. 1618-1625 : ill

### **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 solutions for school building renovation**

**Kuivjõgi, Helena; Sarevet, Henri; Thalfeldt, Martin; Kurnitski, Jarek** CLIMA 2022: the 14th REHVA HVAC World Congress, 22nd – 25th May in Rotterdam, The Netherlands 2022 / p. 1-8 <https://doi.org/10.34641/clima.2022.208>

### **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](#)

### **Heating sizing power reduction in buildings connected to district heating with dynamically controlled DHW setback and flow limiters**

**Hajian, Hatef; Simson, Raimo; Kurnitski, Jarek** Energies 2022 / art. 5278 <https://doi.org/10.3390/en15145278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Heating system efficiency aspects in low-energy residential buildings = Küttesüsteemi efektiivsuse aspektid madalenergia eluhoonetes**

**Maivel, Mikk** 2015 [https://www.ester.ee/record=b4484289\\*est](https://www.ester.ee/record=b4484289*est)

### **Heating system return temperature effect on heat pump performance**

**Maivel, Mikk; Kurnitski, Jarek** 11th International Energy Agency Heat Pump Conference 2014 : 12-16 May 2014, Montréal (Québec), Canada 2014 / p. 1-8 : ill

## Heating system return temperature effect on heat pump performance

Maivel, Mikk; Kurnitski, Jarek Energy and buildings 2015 / p. 71-79 : ill <https://doi.org/10.1016/j.enbuild.2015.02.048> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Highlights from REHVA Supporters' Seminar 2015

Kurnitski, Jarek The REHVA European HVAC journal 2015 / 56-59

## 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

**Hoonete energiatõhusus [Võrguteavik] : hoonete ventilatsioon. Osa 1, Sisekeskkonna lähteandmed hoonete energiatõhususe projekteerimiseks ja hindamiseks, lähtudes siseõhu kvaliteedist, soojuslikust keskkonnast, valgustusest ja akustikast. Moodul M1-6 : Eesti standardi rahvuslik lisa = Energy performance of buildings : ventilation for buildings. Part 1, Indoor environmental input parameters for design and assessment of energy performance of buildings addressing indoor air quality, thermal environment, lightning and acoustics. Module M1-6 : Estonian National Annex**

2019 [https://www.ester.ee/record=b5272875\\*est](https://www.ester.ee/record=b5272875*est)

## Hoonete energiatõhususe direktiiv jõustub peagi

Kurnitski, Jarek EhitusEST 2024 / lk. 18-19 : fot [https://www.ester.ee/record=b4442657\\*est](https://www.ester.ee/record=b4442657*est)

## Hoonete energiatõhususe direktiiv uueneb

Kurnitski, Jarek EhitusEST 2022 / lk. 14-15 : ill [https://www.ester.ee/record=b4442657\\*est](https://www.ester.ee/record=b4442657*est) <https://ehitusest.ee/uudis/2022/02/01/hoonete-energiatõhususe-direktiiv-uueneb/>

## Hoonete energiatõhususe võimalustest ja väljakutsetest [Võrguväljaanne]

Kurnitski, Jarek Konverents "Kliimaneutraalsus – häving või edu?" 2019 / 16 l [Hoonete energiatõhususe võimalustest ja väljakutsetest Kliimaneutraalsus – häving või edu? Süsinikuneutraalne majandus nõuab uusi tehnoloogiaid paljudes valdkondades](https://www.ester.ee/record=b4442657*est)

## Hoonete kuluoptimaalsete energiatõhususe miinimumtasemetega analüüs [Võrguteavik]

Arumägi, Endrik; Simson, Raimo; Kuusk, Kalle; Kalamees, Targo; Kurnitski, Jarek 2017 [https://www.ester.ee/record=b4762265\\*est](https://www.ester.ee/record=b4762265*est)

## Hoonete rekonstrueerimise pikaajaline strateegia

2020 <https://www.mkm.ee/media/155/download>

## Hoonete renoveerimine on majanduskasvu mootor

Kalberg, Signe; Kurnitski, Jarek Eesti Päevaleht 2016 / Korterühistute leht, lk. 6 <https://epl.delfi.ee/artikkel/74531941/hoonete-renoveerimine-on-majanduskasvu-mootor>

## Hourly consumption profiles of domestic hot water for different occupant groups in dwellings

Ahmed, Kaiser; Pylsy, Petri; Kurnitski, Jarek Solar energy 2016 / p. 516-530 : ill <https://doi.org/10.1016/j.solener.2016.08.033> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Hourly consumption profiles of domestic hot water for Finnish apartment buildings

Ahmed, Kaiser; Pylsy, Petri; Kurnitski, Jarek CLIMA 2016 - proceedings of the 12th REHVA World Congress. Vol. 3 2016 / [10] p. : ill [http://vbn.aau.dk/files/233716878/paper\\_166.pdf](http://vbn.aau.dk/files/233716878/paper_166.pdf)

## How can airborne transmission of COVID-19 indoors be minimised?

Morawska, Lidia; Tang, Julian W.; Bahnfleth, William; Kurnitski, Jarek Environment international 2020 / art. 105832, 7 p <https://doi.org/10.1016/j.envint.2020.105832> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## How to calculate cost optimal nZEB energy performance?

Kurnitski, Jarek The REHVA European HVAC journal 2011 / p. 36-41 : ill [https://www.rehva.eu/fileadmin/hvac-dictio/05-2011/rj1105\\_p36-41\\_how-to-calculate-cost-optimal-nzeb-energy-performance.pdf](https://www.rehva.eu/fileadmin/hvac-dictio/05-2011/rj1105_p36-41_how-to-calculate-cost-optimal-nzeb-energy-performance.pdf)

## 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

## How to define nearly net zero energy buildings nZEB : REHVA proposal for uniformed national implementation of EPBD recast

Kurnitski, Jarek The REHVA European HVAC journal 2011 / p. 6-12 : ill <http://www.rogbc.org/Downloads/REHVA%20work%20on%20NZEB.pdf>

### **HVAC in sustainable office buildings : a bridge between owners and engineers**

Hovorka, Frank; **Kurnitski, Jarek**; Litiu, Andrei 2012 [https://books.google.ee/books/about/HVAC\\_in\\_Sustainable\\_Office\\_Buildings.html?id=JQOPwgEACAAJ&redir\\_esc=y](https://books.google.ee/books/about/HVAC_in_Sustainable_Office_Buildings.html?id=JQOPwgEACAAJ&redir_esc=y)

### **A hybrid Genetic Algorithm and Monte Carlo simulation approach to predict hourly energy consumption and generation by a cluster of Net Zero Energy Buildings**

Garshasbi, Samira; **Kurnitski, Jarek**; Mohammadi, Yousef Applied energy 2016 / p. 626-637 : ill  
<https://doi.org/10.1016/j.apenergy.2016.07.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Hyvistä oivalluksista ei ainakaan vielä ole pulaa : pääkirjoitus**

**Kurnitski, Jarek** Talotekniikka 2012 / s. 5 <https://talotekniikka-lehti.fi/hyvista-oivalluksista-ei-ainakaan-viela-ole-pulaa/>

### **Незванный гость: плесень в многоквартирном доме - чья проблема?**

Truvorova, Olesja Stolitsa 2023 / с. 4-5

### **Igatalvine mure : naabri külm korter tuleb teistel majaanikel soojaks kütta**

Hallik, Liina ohtuleht.ee 2024 [Igatalvine mure: naabri külm korter tuleb teistel majaanikel soojaks kütta](#)

### **Ilmanpitävyyden vaikutus vuotoilmanvaihtoon ja energiakulutukseen pientaloissa**

Jokisalo, Juha; **Kurnitski, Jarek**; **Kalamees, Targo**; Eskola, Lari; Jokiranta, Kai Sisäilmastoseminaari 2007 2007 / s. 241-246  
<https://research.aalto.fi/publications/ilmanpit%C3%A4vyuden-vaikutus-vuotoilmanvaihtoon-ja-energiankulutukseen>

### **Ilmanvaihdon ylipaineistuksen vaikutus koulurakennuksen mitattuun ja koettuun sisäilman laatuun**

Vornanen-Winqvist, Camilla; Järvi, Kati; Toomla, Sander; Ahmed, Kaiser; **Kurnitski, Jarek** Sisäilmastoseminaari 2018 : Messukeskus, Helsinki, 15.3.2018 2018 / s. 351–356 : ill [http://sisailmayhdistys.fi/SISAILMASTO\\_seminaarijulkaisu2018.pdf](http://sisailmayhdistys.fi/SISAILMASTO_seminaarijulkaisu2018.pdf)

### **Ilmavuotojen merkitys seinä- ja kattorakenteiden kostutusteknisessä toiminnassa**

**Kalamees, Targo**; **Kurnitski, Jarek** Rakennusfysiikka 2009 2009 / p. 11

### **The impact of air pressure conditions on the performance of single room ventilation units in multi-story buildings**

**Mikola, Alo**; **Simson, Raimo**; **Kurnitski, Jarek** Energies 2019 / art. 2633, 18 p. : ill <https://doi.org/10.3390/en12132633> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)

### **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](#)

### **The impact of the technical requirements of the renovation grant on the ventilation and indoor air quality in apartment buildings**

**Mikola, Alo**; **Hamburg, Anti**; **Kuusk, Kalle**; **Kalamees, Targo**; **Voll, Hendrik**; **Kurnitski, Jarek** Building and environment 2022 / art. 108698 <https://doi.org/10.1016/j.buildenv.2021.108698> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Indoor air problems in new schools and daycare centers**

Vornanen-Winqvist, Camilla; Mikkola, Raimo; **Kurnitski, Jarek** 14th International Conference on Indoor Air Quality and Climate (Indoor Air 2016) : Ghent, Belgium, 3-8 July 2016. Vol. 3 2016 / p. 1811-1818 : ill

### **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 climate conditions and hygrothermal loads in Finnish and Estonian dwellings**

**Kalamees, Targo**; Vinha, Juha; Korpi, Minna; **Kurnitski, Jarek** Proceedings of the IEA ECBCS Annex 41 Closing Seminar :

**Indoor climate conditions in lightweight detached houses in cold climate [Electronic resource]**

**Kalamees, Targo; Kurnitski, Jarek;** Vinha, Juha; Korpi, Minna The 6th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings : IAQVEC 2007, Oct 28-31, 2007, Sendai, Japan 2007 / [8] p. [CD-ROM]

**Indoor climate in low energy buildings – main topic in Healthy Buildings Conference**

**Kurnitski, Jarek** The REHVA European HVAC journal 2012 / p. 14-22 : ill

**Indoor humidity loads and moisture production in lightweight timber-frame detached houses**

**Kalamees, Targo;** Vinha, Juha; **Kurnitski, Jarek** Journal of building physics 2006 / 3, p. 219-246

**Indoor temperature and humidity conditions in Finnish dwellings [Electronic resource]**

**Kalamees, Targo; Kurnitski, Jarek;** Keto, M.; Eskola, E.; Jokisalo, Juha; Korpi, Minna; Vinha, Juha Indoor Air 2008 : The 11th International Conference on Indoor Air Quality and Climate : 17-22.08.2008, Copenhagen, Denmark 2008 / [8] p. [CD-ROM]

**Indoor temperature and humidity load in Finnish detached houses**

**Kalamees, Targo;** Vinha, Juha; **Kurnitski, Jarek** IEA-Annex 41 MOIST-ENG working meeting : Montreal, Canada, 16-18 May 2005 2005 / [10] p

**Indoor Trichoderma strains emitting peptaibols in guttation droplets**

Castagnoli, Emmanuelle; Marik, Tamas; Mikkola, Raimo; Kredics, Laszlo; Andersson, Maria A.; Salonen, Heidi; **Kurnitski, Jarek** Journal of applied microbiology 2018 / p. 1408-1422 <https://doi.org/10.1111/jam.13920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Infection risk-based ventilation design method**

**Kurnitski, Jarek** Ventilation challenges in a changing world : the 42nd AIVC, 10th Tightvent and 8th venticool Conference : proceedings 2022 / p. 21-27 [https://www.aivc.org/sites/default/files/download/AIVC2022\\_Proceedings.pdf](https://www.aivc.org/sites/default/files/download/AIVC2022_Proceedings.pdf)

**Infection risk-based ventilation effectiveness assessment in cruise ship common spaces using tracer gas measurements**

**Mikola, Alo; Kiil, Martin; Vösa, Karl-Villem; Kurnitski, Jarek** E3S Web of Conferences : Roomvent Conference 2024 2024 / 5 p <https://invitepeople.com/public/events/fe41371a0b/pages/ed19d3ae89>

**Infiltration simulation in a detached house - empirical model validation : [abstract] [Electronic resource]**

Jokisalo, Juha; **Kalamees, Targo; Kurnitski, Jarek;** Eskola, Lari; Jokiranta, Kai; Vinha, Juha Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007 / p. 289 [CD-ROM] <https://researchportal.tuni.fi/en/publications/infiltration-simulation-in-a-detached-house-empirical-model-valid>

**Infiltration simulation in a detached house - empirical model validation [Electronic resource]**

Jokisalo, Juha; **Kalamees, Targo; Kurnitski, Jarek;** Eskola, Lari; Jokiranta, Kai; Vinha, Juha Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007 / [CD-ROM] <https://researchportal.tuni.fi/en/publications/infiltration-simulation-in-a-detached-house-empirical-model-valid>

**The influence of exterior walls on the level and stability of indoor relative humidity and temperature in detached houses**

Korpi, Minna; **Kalamees, Targo;** Vinha, Juha; **Kurnitski, Jarek** Proceedings of the 8th Symposium on Building Physics in the Nordic Countries : Copenhagen, Denmark, June 16-18, 2008. 3 2008 / p. 1413-1420 [https://www.researchgate.net/publication/228600799\\_The\\_influence\\_of\\_exterior\\_walls\\_on\\_the\\_level\\_and\\_stability\\_of\\_indoor\\_humidity\\_and\\_temperature\\_in\\_detached\\_houses](https://www.researchgate.net/publication/228600799_The_influence_of_exterior_walls_on_the_level_and_stability_of_indoor_humidity_and_temperature_in_detached_houses)

**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](#)

**Internal moisture excess of residential buildings in Finland**

Vinha, Juha; Salminen, Mikko; Salminen, Kati; **Kalamees, Targo; Kurnitski, Jarek;** Kiviste, Mihkel Journal of building physics 2018 / p. 239–258 : ill <http://dx.doi.org/10.1177/1744259117750369>

**Interview of REHVA Board members on nearly Zero Energy Buildings**

**Kurnitski, Jarek** The REHVA European HVAC journal 2014 / p. 59

**Intervjuu teadlasega: miks loobuti koroonaviirusega võitlemisel ruumide ja pindade desinfitseerimisest**

**Kurnitski, Jarek** forte.delfi.ee 2021 <https://forte.delfi.ee/artikkel/92210123/intervjuu-teadlasega-miks-loobuti-koroonaviirusega-voitlemisel-ruumide-ja-pindade-desinfitseerimisest?>

**Introduction**

**Kurnitski, Jarek** Cost Optimal and Nearly Zero-Energy Buildings (nZEB) 2015 / p. 1-5 [https://doi.org/10.1007/978-1-4471-5610-9\\_1](https://doi.org/10.1007/978-1-4471-5610-9_1)

**Introduction to building automation, controls and technical building management**

Brook, Bonnie; Corgnati, Stefano Paolo; D'Oca, Simona; **Kurnitski, Jarek** 2017

**It is time to address airborne transmission of COVID-19**

Morawska, Lidia; Milton, Donald K. Clinical infectious diseases 2020 / p. 2311-2313 <https://doi.org/10.1093/cid/ciaa939>

**Jarek Kurnitski – inseneeria eestkõneleja ja akadeemilise vabaduse kaitsja**

**Kurnitski, Jarek** delfi.ee 2025 <https://arileht.delfi.ee/artikkel/120370830/jarek-kurnitski-inseneeria-eestkoneleja-ja-akadeemilise-vabaduse-kaitsja>

**Jarek Kurnitski : liginullenergiahooned vajavad uut lähenemist, esitades suure väljakutse**

Ots, Margot; Kamps, Mari Inseneeria 2016 / lk. [24]-25 : fot [http://www.ester.ee/record=b2336521\\*est](http://www.ester.ee/record=b2336521*est)  
[https://artiklid.elnet.ee/record=b2806765\\*est](https://artiklid.elnet.ee/record=b2806765*est)

**Jarek Kurnitski : rektorivalimistel vajab TTÜ lendstarti [Võrguväljaanne]**

**Kurnitski, Jarek** novaator.err.ee 2020 / fot [Jarek Kurnitski: rektorivalimistel vajab TTÜ lendstarti](#)

**Jarek Kurnitski : teadus peab toetama läbimurret kodude ja töökohtade täisrenoveerimisel**

**Kurnitski, Jarek; Aav, Riina** rohe.geenius.ee 2024 [Jarek Kurnitski: teadus peab toetama läbimurret kodude ja töökohtade täisrenoveerimisel](#)

**Jarek Kurnitski : tulevik kuulub liginullenergiamajadele [Võrguteavik]**

**Kurnitski, Jarek** Postimees 2018 [Tulevik kuulub liginullenergiamajadele](#)

**Jarek Kurnitski: aitab viirusest!**

**Kurnitski, Jarek** Mente et Manu 2020 / lk. 26-29 : fot [https://www.ttu.ee/public/m/mente-et-manu/MM\\_02\\_2020/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_02_2020/mobile/index.html)  
[https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Jarek Kurnitski: Eestis ei ole võimalik samaaegselt arendada taastuv- ja tuumaenergeetikat**

**Kurnitski, Jarek; Tambur, Silver** delfi.ee 2024 [Jarek Kurnitski: Eestis ei ole võimalik samaaegselt arendada taastuv- ja tuumaenergeetikat](#)

**Jarek Kurnitski: energia kokkuhoid aitab talve üle elada [Võrguväljaanne]**

**Kurnitski, Jarek** err.ee [Jarek Kurnitski: energia kokkuhoid aitab talve üle elada](#)

**Jarek Kurnitski: hoonete fondi ja ehitusturgu ootavad suured muutused**

**Kurnitski, Jarek** kinnisvarauudised.ee 2024 [Jarek Kurnitski: hoonete fondi ja ehitusturgu ootavad suured muutused](#)

**Jarek Kurnitski: hoonete fondi ja ehitusturgu ootavad suured muutused**

**Kurnitski, Jarek** Ehitaja 2024 / lk. 21 : portr [https://www.ester.ee/record=b1072123\\*est](https://www.ester.ee/record=b1072123*est)

**Jarek Kurnitski: ka roheehituses võib leida uusi kasumlikke nišše**

**Kurnitski, Jarek; Liiviste, Priit** ehitusleht.ee 2024 [Jarek Kurnitski: ka roheehituses võib leida uusi kasumlikke nišše](#)

**Jarek Kurnitski: missuguses korterelamus on kõige väiksemad kulud?**

**Kurnitski, Jarek** Trialoog 2024 [Jarek Kurnitski: missuguses korterelamus on kõige väiksemad kulud?](#)

**Jarek Kurnitski: oleme arenenud meeletult kiiresti**

**Kurnitski, Jarek** Teatmik 2011 : 20 aastat EKVÜ-d! / Eesti Kütte- ja Ventilatsiooniinseneride Ühendus 2011 / lk. 53-55 : portr

**Jarek Kurnitski: tõhus ventilatsioon võib olla koroonaviruse leviku tõkestamisel võtmetegur**

**Kurnitski, Jarek** Ehitaja 2020 / lk. 40-41 : fot [https://www.ester.ee/record=b1072123\\*est](https://www.ester.ee/record=b1072123*est)

**JRC review - evidence based recommendations for IEQ inclusion in EPBD**

**Kurnitski, Jarek** The REHVA European HVAC journal 2017 / p. 51  
[http://www.rehva.eu/fileadmin/REHVA\\_Journal/REHVA\\_Journal\\_2017/RJ2/RJ1702\\_WEB.pdf](http://www.rehva.eu/fileadmin/REHVA_Journal/REHVA_Journal_2017/RJ2/RJ1702_WEB.pdf)

**Juhised radoonikaitse meetmete kasutamiseks uutes ja olemasolevates hoonetes = Guidance for radon-protective measures for new and existing buildings [Võrguteavik]**

2017 [http://www.ester.ee/record=b4671261\\*est](http://www.ester.ee/record=b4671261*est)

**Julkisten uudisrakennusten sisäilmaongelmat sekä ilmanvaihdon ja puumateriaalien vaikutukset sisäilman laatuun - Työsuojelurahaston hanke 115376**

Voronen-Winqvist, Camilla; Alapieti, Tuomas; Andersson, Maria A.; **Kurnitski, Jarek** 2018 <http://urn.fi/URN:ISBN:978-952-60-8063-5>

## Kaitseks põrguliku kuumuse eest vajame tegusid

Kurnitski, Jarek Maaleht 2025 <https://dea.digar.ee/article/maaleht/2025/08/21/21.1>

## Kallim, aga energiatõhusam maja aastast 2021

Luht, Elen; Kurnitski, Jarek Postimees 2017 / Kodu, lk. 2-3

## Kas ir gandrız nulles energijas ekas? Eiropas Inženieru savienību federācijas definīcija

Kurnitski, Jarek Latvijas būvniecība 2013 / I. 4-10 : ill

## Katsemaja toel tõhusama ehitamise poole : [kommenteerib TTÜ liginullenergiahoonete uurimisgrupi juht ning ehitiste projekteerimise instituudi direktor Jarek Kurnitski]

Leet, Lauri Ehitaja 2014 / lk. 38-42 : fot [https://artiklid.elnet.ee/record=b2686641\\*est](https://artiklid.elnet.ee/record=b2686641*est)

## Kehva energiaklassiga kinnisvara omanike tulevik läheb lihtsamaks

Raig, Tanel Eesti Päevaleht 2024 / Lk. 22-23 [Kehva energiaklassiga kinnisvara omanike tulevik läheb lihtsamaks](#) [Kehva energiaklassiga kinnisvara omanike tulevik läheb lihtsamaks, sest nad peavad vähem investeerima](#)

## Kerrostalojen ilmanvaihdon parannusratkaisut Virossa

Kurnitski, Jarek; Sasi, Lennart 1996 [https://www.ester.ee/record=b1025662\\*est](https://www.ester.ee/record=b1025662*est)

## Kerrostalokannan energiatehokkuus

Kurnitski, Jarek Puun mahdollisuudet lähiöiden korjauksissa 2011 / s. 18-23 : ill

## Kliimaeesmärgid esitavad korteriühistutele tõsise väljakutse

Remmelg, Teeli kinnisvarauudised.ee 2024 [Kliimaeesmärgid esitavad korteriühistutele tõsise väljakutse](#)

## Kliimaneutraalsus nõuab miljonite hoonete renoveerimist

Imeline Teadus 2021 / lk. 20 : fot [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est)

## Kliimaneutraalsuse teekaart seab selged eesmärgid. Tallinna Tehnikaülikoolis esitleti kliimaneutraalsuse teekaarti. See seab lähikümnendi sihiks vähendada ülikooli süsiniku jalajälge ja jõuda nullheite lähedale aastaks 2035

Mustamäe 2025 / lk. 8 : ill [https://www.ester.ee/record=b1072635\\*est](https://www.ester.ee/record=b1072635*est)

## Kliimaseadus ei tohiks muuta kinnisvara kättesaamatuks

kinnisvarauudised.ee 2024 [Kliimaseadus ei tohiks muuta kinnisvara kättesaamatuks](#)

## Konsultant: elamute renoveerimise rahastamine pole siiani olnud stabiilne

Pott, Toomas err.ee 2023 [Konsultant: elamute renoveerimise rahastamine pole siiani olnud stabiilne](#) [Kuidas suudavad väiksemate majade vaesemad pered ja pensionärid euroliidu nõuet täita?](#)

## Kontroll karmistub: vale energiamärgise kinnitanud spetsialist võetakse pihtide vahele

Remmelg, Teeli ehitusuudised.ee 2023 <https://www.ehitusuudised.ee/uudised/2023/04/04/kontroll-karmistub-vale-energiamaargise-kinnitanud-spetsialist-voetakse-pihtide-vahele>

## Koroona tõi ventilatsiooni paradigma muutuse

Kurnitski, Jarek Eesti Teaduste Akadeemia sõnas ja pildis 2022 2023 / lk. 11-12 : ill [https://www.ester.ee/record=b5054043\\*est](https://www.ester.ee/record=b5054043*est)

## Koroona tõi ventilatsiooni paradigma muutuse

Kurnitski, Jarek Postimees 2023 / Lk. 6 <https://dea.digar.ee/article/postimees/2023/01/14/13.4> [Koroona tõi ventilatsiooni paradigma muutuse](#)

## Koroonaviiruse leviku tõkestamine töökohtadel - tehnosüsteemid

Kurnitski, Jarek Ehitaja 2020 / lk. 42 : ill [http://www.ester.ee/record=b1072123\\*est](http://www.ester.ee/record=b1072123*est)

## Korterelamu renoveerimine: parem üks kord ja korralikult. Millised remonttööd on vajalikud?

Kurnitski, Jarek maaleht.ee 2023 [Korterelamu renoveerimine: parem üks kord ja korralikult. Millised remonttööd on vajalikud?](#)

## Korterelamute välispiirete lisasoojustamise sõlmejoonised ja tüüpkorterite ventilatsioonilahendused

Kalamees, Targo; Thalfeldt, Martin; Meos, Heiki; Laas, Margus; Zelenski, Maksim; Kurnitski, Jarek; Diligentov, Eduard; Bökova, Larissa 2015

## Korteriühistud saavad Euroopast 300-miljonilise abikäe

Puhm, Carl-Robert postimees.ee 2023 [Korteriühistud saavad Euroopast 300-miljonilise abikäe](#)

## 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](#)

### **Kui hoonel ja hoones on külm**

**Kurnitski, Jarek** Tööelu : Tööinspektsiooni ajakiri 2022 / Lk. 26-27 <https://www.ti.ee/sites/default/files/documents/2022-11/T%C3%B6%C3%B6elu%202022%20talv.pdf> [https://www.ester.ee/record=b4520813\\*est](https://www.ester.ee/record=b4520813*est)

### **Kuidas arvutada hoone süsinikujalajälge?**

**Kurnitski, Jarek; Lylykangas, Kimmo Sakari** EhitusEST 2022 / lk. 22-24 : tab [https://www.ester.ee/record=b4442657\\*est](https://www.ester.ee/record=b4442657*est)  
<https://ehitusest.ee/uudis/2022/04/04/hoone-susiniikujalajalg/>

### **Kuidas ehitusinseneride õppel läheb**

**Kurnitski, Jarek; Lill, Irene; Annus, Ivar** Eesti Ehituskonsultatsiooniettevõtete Liit, EKEL : [aastaraamat] = Estonian Association of Architectural and Consulting Engineering Companies, EAACEC 2019 2019 / lk. 19-24 : ill [https://www.ester.ee/record=b1222961\\*est](https://www.ester.ee/record=b1222961*est)  
<https://ekel.ee/et/valjaanded>

### **Kuidas jõuda riigi nõutavasse energiaklassi? Eramajade jaoks on üks kiire nipp**

Laks, Liina postimees.ee 2023 [Kuidas jõuda riigi nõutavasse energiaklassi? Eramajade jaoks on üks kiire nipp](#)

### **Kuidas kavandada ja projekteerida madal- või liginullenergiahoonet? : [juhendmaterjali töögrupi juht Jarek Kurnitski TTÜst]**

**Kurnitski, Jarek** Ehitaja 2013 / lk. 27-29 [https://artiklid.elnet.ee/record=b2600739\\*est](https://artiklid.elnet.ee/record=b2600739*est)

### **Kuidas saavad ülikoolid reageerida energiakriisile ja rohepöörde ühiskondlikele probleemidele?**

**Kurnitski, Jarek** Mente et Manu 2022 / lk. 4-5 : portr [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

### **Kuidas tõkestada viirushaigusi töökohtadel**

**Kurnitski, Jarek** Äripäev 2020 / Ehitusuudised, Lk. 24-25 : portr [https://www.ester.ee/record=b2050444\\*est](https://www.ester.ee/record=b2050444*est)  
[https://www.ester.ee/record=b1071975\\*est](https://www.ester.ee/record=b1071975*est)

### **Kuidas välisvarjestusega (energiat) kokku hoida**

**Kurnitski, Jarek; Thalfeldt, Martin** Inseneria 2014 / lk. 20-21 : ill [https://artiklid.elnet.ee/record=b2672919\\*est](https://artiklid.elnet.ee/record=b2672919*est)

### **Kurnitski : hoonete energiatarbimise takerdub inseneride haridusse**

**Kurnitski, Jarek** ehitusuudised.ee 2022 [Kurnitski: hoonete energiatarbimise takerdub inseneride haridusse](#)

### **Kurnitski: Eesti on süsiniku jalajälje osas maha jäänud**

**Kurnitski, Jarek; Vilk, Urve** ehitusuudised.ee 2024 [Kurnitski: Eesti on süsiniku jalajälje osas maha jäänud](#)

### **Kurnitski: Eesti on süsiniku jalajälje osas maha jäänud**

**Kurnitski, Jarek; Vilk, Urve** kinnisvarauudised.ee 2024 [Kurnitski: Eesti on süsiniku jalajälje osas maha jäänud](#)

### **Kurnitski: Eestis on renoveerimist vajavate majade hulk erakordselt suur**

**Kurnitski, Jarek** ehitusuudised.ee 2023 [Kurnitski: Eestis on renoveerimist vajavate majade hulk erakordselt suur](#)

### **Kurnitski: hoonete energiatarbimise takerdub inseneride haridusse**

**Kurnitski, Jarek** Ehitaja 2023 / lk. 36-37 : ill [https://www.ester.ee/record=b1072123\\*est](https://www.ester.ee/record=b1072123*est)

### **Kurnitski: korteri jahutamiseks tuleb päevasel ajal aknad kinni hoida [Võrguvaljaanne]**

Müller, Arp; **Kurnitski, Jarek** err.ee 2021 / audio [Kurnitski: korteri jahutamiseks tuleb päevasel ajal aknad kinni hoida](#)

### **Kurnitski: pandeemia muutis inimeste arusaama ventilatsiooni vajalikkusest = Курницкий: Пандемия изменила мнение людей о необходимости вентиляции**

**Kurnitski, Jarek** Elamu 2021 / lk. 13 [https://www.ester.ee/record=b1072137\\*est](https://www.ester.ee/record=b1072137*est)

### **Kurnitski: pigem võiks ehitada majade alla varjumiskohti = Эксперт: создать бомбоубежища реально только в новостройках**

Rohemäe, Maria-Ann err.ee 2024 [Kurnitski: pigem võiks ehitada majade alla varjumiskohti Эксперт: создать бомбоубежища реально только в новостройках](#)

### **Kurnitski: rohepöörde seab ehituses uusi suuri väljakutseid: millist eriala oleks kaval õppida**

**Kurnitski, Jarek** postimees.ee 2023 [Kurnitski: rohepöörde seab ehituses uusi suuri väljakutseid: millist eriala oleks kaval õppida](#)

### **Kuum aeg paneb proovile majade ehituskvaliteedi**

Kurnitski, Jarek Põhjarannik 2014 / lk. 4 : portr

**Kõva müügitöö tekitab soojustumpade suhtes ebarealistlikke ootusi**

Piir, Rait novaator.err.ee 2025 <https://novaator.err.ee/1609693046/kova-muugitoo-tekitab-soojustumpade-suhtes-ebarealistlikke-ootusi>

**Kütmata suvemaja ohustab niiskus : [nõuandeid annab TTÜ professor Jarek Kurnitski]**

Viiron, Kristiina; **Kurnitski, Jarek** Eesti Päevaleht 2012 / lk. 12-13 <https://epi.delfi.ee/artikkel/65360106/kutmata-suvemaja-ohustab-niiskus>

**Kylmäsiltojen ja ilmapuotikohtien jakauma suomalaisissa pientaloissa ja kerrostaloasunnoissa**

**Kalamees, Targo**; Korpi, Minna; Eskola, Lari; **Kurnitski, Jarek**; Vinha, Juha Rakennusfysiikka 2007 : Tampere (Finland), 18-19.10.2007 2007 / s. 295-302

**Liginullenergia väljakutse on inimesed**

**Kurnitski, Jarek** Äripäev 2018 / lk. 12 [Liginullenergia väljakutse on inimesed](#)

**Liginullenergiahooned tõmbasid ehitusteadused tippkeskusesse**

**Kurnitski, Jarek** 100 aastat TTÜ ehitusinsenere 2018 / lk. 296-303 : ill

**Liginullenergiahooned täna ja homme : artiklite kogumik**

2015 [https://www.ester.ee/record=b4505002\\*est](https://www.ester.ee/record=b4505002*est)

**Liginullenergiahoonete ehitamine läheneb kiirelt**

**Kurnitski, Jarek** Ehitaja 2015 / lk. 14-18 : ill [https://artiklid.elnet.ee/record=b2767562\\*est](https://artiklid.elnet.ee/record=b2767562*est)

**Liginullenergiahoonete ehitamine läheneb suure kiirusega**

**Kurnitski, Jarek** Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / lk. 9-14 : ill

**Liginullenergiahoonete nõuded Euroopas**

**Kurnitski, Jarek** Ehitaja 2015 / lk. 16-19 : ill [https://artiklid.elnet.ee/record=b2713286\\*est](https://artiklid.elnet.ee/record=b2713286*est)

**Liginullenergiahoonete näiteid meilt ja mujalt**

**Kurnitski, Jarek** Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / lk. 15-19 : ill

**Liginullenergiamajad - Euroopa ehituse tulevik**

**Kurnitski, Jarek** Inseneeria 2013 / lk. 32-33 : ill [https://artiklid.elnet.ee/record=b2619452\\*est](https://artiklid.elnet.ee/record=b2619452*est)

**Liginullenergiamajad : Soome võitleb hoonete hallitusega, Eestit päästab oskuslik projekteerimine**

Soopan, Ivar; **Kurnitski, Jarek**; **Kalamees, Targo** Maaleht 2018 / lk. 2-3

**The load-bearing capacity of screw piles in silty soils based on mechanical, piezocone and seismic soundings =**

**Kruvivaiade kandevõime määramine möllides mehaaniliste, piesokoonuste ja seismiliste sondeerimistega**

**Leetsaar, Lehar** 2024 [https://www.ester.ee/record=b5719224\\*est](https://www.ester.ee/record=b5719224*est) <https://digikogu.taltech.ee/et/Item/a57d353d-e3d8-42e1-95ce-c27ea266f738>  
<https://doi.org/10.23658/taltech.56/2024>

**Low temperature radiator heating distribution and emission efficiency in residential buildings**

**Maivel, Mikk**; **Kurnitski, Jarek** Energy and buildings 2014 / p. 224-236 : ill <https://doi.org/10.1016/j.enbuild.2013.10.030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Low temperature radiator heating system detailed dynamic simulation - distribution and emission efficiency**

**Maivel, Mikk**; **Kurnitski, Jarek** Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013

**Madal- ja liginullenergiahooned : büroohoonete põhilahendused eskiis- ja eelprojekti**

**Kurnitski, Jarek**; **Thalfeldt, Martin**; **Kalamees, Targo**; **Voll, Hendrik**; **Uutar, Aivar**; **Rosin, Argo** 2013

**Madal- ja liginullenergiamajad - väikeste ja nullilähedaste energiakuludega majad**

**Kurnitski, Jarek** Kalender 2014 2013 / lk. 103-108 : ill

**Madalenergia büroohoone fassaadi majandusanalüüs**

**Thalfeldt, Martin**; **Pikas, Ergo**; **Kurnitski, Jarek** Ehitaja 2015 / lk. 22-25 : ill [https://artiklid.elnet.ee/record=b2720865\\*est](https://artiklid.elnet.ee/record=b2720865*est)

**Madalenergia büroohoone fassaadi majandusanalüüs**

**Thalfeldt, Martin**; **Pikas, Ergo**; **Kurnitski, Jarek** Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / lk. 52-58 : ill

**Maria Jufereva-Skuratovski: Eesti paneelmaju hakatakse massiliselt remontima. Vajame kindlustunnet, et raha ei lähe ühistujuhtide taskusse**

Jufereva-Skuratovski, Maria epl.delfi.ee 2024 [Maria Jufereva-Skuratovski: Eesti paneelmaju hakatakse massiliselt remontima. Vajame kindlustunnet, et raha ei lähe ühistujuhtide taskusse](#)

**Market based renovation solutions in non-residential buildings - Why commercial buildings are not renovated to NZEB**  
**Kuivjõgi, Helena; Uutar, Aivar; Kuusk, Kalle; Thalfeldt, Martin; Kurnitski, Jarek** Energy and buildings 2021 / art. 111169, 13 p. : ill <https://doi.org/10.1016/j.enbuild.2021.111169> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Measured and simulated air pressure conditions in Finnish residential buildings**

**Kalamees, Targo; Kurnitski, Jarek;** Jokisalo, Juha; Eskola, Lari; Jokiranta, Kai; Vinha, Juha Building services engineering research & technology 2010 / 2, p. 177-190 : ill <https://journals.sagepub.com/doi/pdf/10.1177/0143624410363655>

**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

**Measurement and simulations of air pressure in a two-storey detached house and in a five-storey apartment building**

**Kalamees, Targo;** Jokisalo, Juha; **Kurnitski, Jarek;** Vinha, Juha IEA-Annex 41 MOIST-ENG, working meeting : Florianopolis (Brazil), 16-18 April, 2007 2007 / [8] p <https://bwk.kuleuven.be/bwf/projects/annex41/protected/data/TTU%20Apr%202007%20Paper%20A41-T3-EE-07-2.pdf>

**Melinacidin-producing Acrostalagmus luteoalbus, a major constituent of mixed mycobiota contaminating insulation material in an outdoor wall**

Andersson, Maria A.; Salo, Johanna; Mikkola, Raimo; Marik, Tamas; Kredics, Laszlo; **Kurnitski, Jarek;** Salonen, Heidi Pathogens 2021 / art. 843 <https://doi.org/10.3390/pathogens10070843> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**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/rtuect-2017-0001> Journal metrics at Scopus Article at Scopus

**Methodology for determining fenestration ranges for daylight and energy efficiency in Estonia**

**De Luca, Francesco;** Dogan, Timur; **Kurnitski, Jarek** 2018 Proceedings of the symposium on simulation for architecture and urban design 2018 / p. 63-70 : ill <http://www.simaud.org/proceedings/>

**Mida tuleb teha energiakriisist väljumiseks? [Võrguväljaanne]**

**Kurnitski, Jarek** postimees.ee 2022 [Mida tuleb teha energiakriisist väljumiseks?](#)

**Miks kodus nii palav on?**

Kivi, Krister Postimees 2023 / Lk. 10-11 [Miks kodus nii palav on?](#)

**Miks mõnusa sisekliimaga tegeleda?**

**Kurnitski, Jarek** Äripäev 2019 / Lk. 12 [https://www.ester.ee/record=b1071975\\*est](https://www.ester.ee/record=b1071975*est)

**Millega tegeleb Eesti tippteadus 2023. aastani?**

Aljas, Riin; **Kurnitski, Jarek** Eesti Päevaleht 2016 / lk. 4-5 [https://artiklid.elnet.ee/record=b2757421\\*est](https://artiklid.elnet.ee/record=b2757421*est)  
<https://epl.delfi.ee/artikkel/73671531/millega-tegeleb-eesti-tippteadus-2023-aastani>

**Millises korterelamus on kõige väiksemad kulud? Tulemus on üllatuslik**

Kröönström, Kristiina pealinn.ee 2024 [Millises korterelamus on kõige väiksemad kulud? Tulemus on üllatuslik](#)

**Mis on liginullenergiaülikooli hind?**

**Kurnitski, Jarek; Sarv, Mari Öö** ehitusleht.ee 2024 <https://ehitusleht.ee/mis-on-liginullenergiaulikooli-hind/>

**Mis on liginullenergiaülikooli hind?**

**Sarv, Mari Öö** Mente et Manu 2024 / lk. 22-23 : ill [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Mis on tõhusam - renoveerida olemasolev ventilatsioon või paigaldada uus?**

kinnisvarauudised.ee 2023 [Mis on tõhusam - renoveerida olemasolev ventilatsioon või paigaldada uus?](#)

### **Missuguses korterelamus on kõige väiksemad kulud?**

Kurnitski, Jarek postimees.ee 2024 [Missuguses korterelamus on kõige väiksemad kulud?](#)

### **Mister energiatehokkuus lähtee vetämään professuuria ja nollaenergiահankkeita Viroon : Jarek Kurnitskin ura huipentuu professuuriin - Tallinnassa**

Kurnitski, Jarek; Heikkinen, Heikki Talotekniikka 2012 / s. 8-11 : photo

### **Modeling an alternate operational ground source heat pump for combined space heating and domestic hot water power sizing**

Ahmed, Kaiser; Fadejev, Jevgeni; Kurnitski, Jarek Energies 2019 / art. 2120, 26 p. : ill <https://doi.org/10.3390/en12112120> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modeling the impact of indoor relative humidity on the infection risk of five respiratory airborne viruses**

Aganovic, Amar; Bi, Yang; Cao, Guangyu; Kurnitski, Jarek; Wargocki, Pawel Scientific reports 2022 / art. 11481, 10 p. : ill <https://doi.org/10.1038/s41598-022-15703-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modelling of odour dispersion from multiple point sources**

Palmiste, Ülar; Kurnitski, Jarek; Laanearu, Janek IX International Symposium on Stratified Flows : abstracts 2022 / p. 77 [https://www.dropbox.com/s/em57tmgs3ivcv5a/Abstract\\_book\\_Opt.pdf?dl=0](https://www.dropbox.com/s/em57tmgs3ivcv5a/Abstract_book_Opt.pdf?dl=0)

### **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 convection performance of external walls and roofs**

Kalamees, Targo; Kurnitski, Jarek Journal of building physics 2010 / 3, p. 225-247 <https://journals.sagepub.com/doi/10.1177/1744259109343502>

### **Moisture convection performance of wall and attic floor joint**

Kalamees, Targo; Kurnitski, Jarek Proceedings of the 8th Symposium on Building Physics in the Nordic Countries : Copenhagen, Denmark, June 16-18, 2008. 2 2008 / p. 777-784 [https://www.researchgate.net/publication/228777811\\_Moisture\\_convection\\_performance\\_of\\_wall\\_and\\_attic\\_floor\\_joint](https://www.researchgate.net/publication/228777811_Moisture_convection_performance_of_wall_and_attic_floor_joint)

### **Moisture convection performance on the joint of external wall and attic floor - laboratory tests and two-dimensional simulation model validation : [abstract] [Electronic resource]**

Kalamees, Targo; Kurnitski, Jarek Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007 / p. 286 [CD-ROM] [https://www.researchgate.net/publication/228890901\\_Moisture\\_convection\\_performance\\_on\\_the\\_joint\\_of\\_external\\_wall\\_and\\_attic\\_floor-laboratory\\_tests\\_and\\_two-dimensional\\_simulation\\_model\\_validation](https://www.researchgate.net/publication/228890901_Moisture_convection_performance_on_the_joint_of_external_wall_and_attic_floor-laboratory_tests_and_two-dimensional_simulation_model_validation)

### **Moisture convection performance on the joint of external wall and attic floor - laboratory tests and two-dimensional simulation model validation [Electronic resource]**

Kalamees, Targo; Kurnitski, Jarek Proceedings of Clima 2007 WellBeing Indoors : 10-14 June 2007, Helsinki, Finland 2007 / [CD-ROM] [https://www.researchgate.net/publication/228890901\\_Moisture\\_convection\\_performance\\_on\\_the\\_joint\\_of\\_external\\_wall\\_and\\_attic\\_floor-laboratory\\_tests\\_and\\_two-dimensional\\_simulation\\_model\\_validation](https://www.researchgate.net/publication/228890901_Moisture_convection_performance_on_the_joint_of_external_wall_and_attic_floor-laboratory_tests_and_two-dimensional_simulation_model_validation)

### **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](#)

### **Moisture supply in heavyweight detached houses**

Salminen, Kati; Korpi, Minna; Salminen, Mikko; Vinha, Juha; Kurnitski, Jarek; Kalamees, Targo IEA Annex 41 MOIST-ENG Working meeting : Lyon France, 25-27 October 2006 2006 / [10] p

### **Monthly domestic hot water profiles for energy calculation in Finnish apartment buildings**

Ahmed, Kaiser; Pylsy, Petri; Kurnitski, Jarek Energy and buildings 2015 / 77-85 : ill <https://doi.org/10.1016/j.enbuild.2015.03.051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mõne aasta pärast tuleb kõigile uutele majadele paigaldada päikesepaneelid**

Pärli, Merilin err.ee 2024 [Mõne aasta pärast tuleb kõigile uutele majadele paigaldada päikesepaneelid](#)

### **Mäng eludega ehituses**

Kurnitski, Jarek Postimees 2013 / lk. 13 <https://www.postimees.ee/2608318/jarek-kurnitski-mang-eludega-ehituses>

### **Märgatav kokkuhoid: targem soojuspumba kasutamine säästab rahakotti ja loodust**

maaleht.delfi.ee 2024 [Märgatav kokkuhoid: targem soojuspumba kasutamine säästab rahakotti ja loodust](#)

**Märkmeid Ehitusinseneride Liidu esinduskogult : [kokkuvõte ka professor Jarek Kurnitski kõnest]**  
Inseneeria 2017 / lk. 70-71 : ill [http://www.ester.ee/record=b2336521\\*est](http://www.ester.ee/record=b2336521*est) [https://artiklid.elnet.ee/record=b2818091\\*est](https://artiklid.elnet.ee/record=b2818091*est)

**Nakatumise mõistatus selgineb. Oluline on ventilatsioon**  
Kurnitski, Jarek Eesti Päevaleht 2020 / Lk. 2-3 : ill <https://dea.digar.ee/article/eestipaevaleht/2020/07/14/5.1>

**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](#)

**Nearby use of renewable energy sources - an alternative for on-site production**  
Kurnitski, Jarek The REHVA European HVAC journal 2013 / p. 11-12 : ill

**Nearby use of renewable energy sources – an alternative for on-site production**  
Kurnitski, Jarek World Sustainable Energy Days 2014. European Nearly Zero Energy Buildings Conference : February 27-28, Wels, Austria 2014 / [7] p. : ill

**Nearly zero energy buildings nZEB : [editorial]**  
Kurnitski, Jarek The REHVA European HVAC journal 2011 / p. 4 : photo

**Nearly Zero Energy hotels**  
Buso, Tiziana; Kurnitski, Jarek; Corgnati, Stefano Paolo; Litiu, Andrei; Derjanecz, Anita The REHVA European HVAC journal 2014 / p. 7-11 : ill

**Nearly zero energy (nZEB) regulation progress in Europe**  
Kurnitski, Jarek Second International Conference on Energy and Indoor Environment for Hot Climates : Outdoor Cooling Technologies, Challenges, and Opportunities for the Hot Climates : February 26th - 27th, 2017, Doha, Qatar 2017 / p. 9

**Nearly zero energy office building without conventional heating**  
Thalfeldt, Martin; Kurnitski, Jarek; Mikola, Alo Estonian journal of engineering 2013 / p. 309-328 : ill  
<https://doi.org/10.3176/eng.2013.4.06> [Article at Scopus](#)

**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](#)

**Nearly zero energy wooden buildings : day-care centres from NERO project**  
Kuusk, Kalle; Kaiser, Ahmed; Lolli, Nicola; Jan, Johansson; Hasu, Tero; Gunnarshaig Lien, Anne; Arumägi, Endrik; Kalbe, Kristo; Hallik, Jaanus; Kurnitski, Jarek; Kalamees, Targo Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 54-55 : ill [https://www.ester.ee/record=b5197207\\*est](https://www.ester.ee/record=b5197207*est)

**Nearly zero-energy building's (nZEB) definitions and assessment boundaries**  
Kurnitski, Jarek Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 7-30 : ill [https://doi.org/10.1007/978-1-4471-5610-9\\_2](https://doi.org/10.1007/978-1-4471-5610-9_2) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**New book on nearly zero energy buildings (nZEB) by Jarek Kurnitski, editor**  
Kurnitski, Jarek The REHVA European HVAC journal 2014 / p. 66 : ill

**New dose-response model and SARS-CoV-2 quanta emission rates for calculating the long-range airborne infection risk**  
Aganovic, Amar; Cao, Guangyu; Kurnitski, Jarek; Wargocki, Pawel Building and environment 2023 / art. 109924, 13 p. : ill  
<https://doi.org/10.1016/j.buildenv.2022.109924> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**New equation for optimal insulation dependency on the climate for office buildings**  
Ahmed, Kaiser; Kurnitski, Jarek Energies 2021 / art. 321 <https://doi.org/10.3390/en14020321> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**New higher order Haar wavelet method : application to FGM structures**  
Majak, Jüri; Pohlak, Meelis; Karjust, Kristo; Eerme, Martin; Kurnitski, Jarek; Shvartsman, Boris Composite Structures 2018 / p. 72-78 : tab <https://doi.org/10.1016/j.compstruct.2018.06.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **A new method for contrasting energy performance and near-zero energy building requirements in different climates and countries**

Kurnitski, Jarek Energies 2018 / art. 1334, 22 p. : ill <https://doi.org/10.3390/en11061334> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **New public buildings must be built with emergency shelters**

Lanreido, I.; Jet, Olga news.err.ee 2024 [New public buildings must be built with emergency shelters](#)

## **New typical meteorological year generation method based on long-term building energy simulations**

Seyed Salehi, Seyed Shahabaldin; Kalamees, Targo; Kurnitski, Jarek; Thalfeldt, Martin Building and environment 2024 / art. 111504 <https://doi.org/10.1016/j.buildenv.2024.111504> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **A novel method for calculating heat emitter and controller configuration setpoint variations with EN15316-2**

Võsa, Karl-Villem; Ferrantelli, Andrea; Kurnitski, Jarek Journal of building engineering 2020 / art. 101387 <https://doi.org/10.1016/j.jobbe.2020.101387> <https://aaltodoc.aalto.fi/handle/123456789/43872> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **A novel workflow for early design stages to ensure daylight and summer thermal comfort in buildings = Uudne töövoog projekteerimise algfaasis, et tagada päevavalgus ja suvine soojusmugavus hoonetes**

Sepulveda Luque, Abel 2022 <https://doi.org/10.23658/taltech.34/2022> <https://digikogu.taltech.ee/et/Item/9d383d7b-f702-490a-a054-bdbf238e402> [https://www.estar.ee/record=b5503220\\*est](https://www.estar.ee/record=b5503220*est)

## **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 case studies**

Kurnitski, Jarek; Achermann, Matthias Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 135-176 : ill [https://doi.org/10.1007/978-1-4471-5610-9\\_8](https://doi.org/10.1007/978-1-4471-5610-9_8) [Article collection metrics at Scopus](#) [Article at Scopus](#)

## **nZEB definitions in Europe**

Kurnitski, Jarek; Buso, Tiziana; Corgnati, Stefano Paolo; Derjanecz, Anita; Litiu, Andrei The REHVA European HVAC journal 2014 / p. 6-9 : ill

## **nZEB energy performance comparison in different climates and countries**

Kurnitski, Jarek Heat pumping technologies magazine 2017 / p. 31-37 : ill [https://issuu.com/hptmagazine/docs/hpt\\_20magazine\\_no3\\_2017?e=24860023/55068660](https://issuu.com/hptmagazine/docs/hpt_20magazine_no3_2017?e=24860023/55068660)

## **NZEB energy performance requirements in four countries vs. European commission recommendations**

Kurnitski, Jarek; Ahmed, Kaiser; Hasu, Tero; Kalamees, Targo Proceedings of the REHVA Annual Meeting Conference Low Carbon Technologies in HVAC : 23 April 2018, Brussels, Belgium 2018 / 8 p. : ill <https://www.rehva2018atic.eu/images/workshops/4/Kurnitski.pdf>

## **nZEB office building : Ympäristötalo in Helsinki, Finland**

Kurnitski, Jarek The REHVA European HVAC journal 2012 / p. 44-49 : ill <https://www.rehva.eu/rehva-journal/chapter/nzeb-office-building-ympaeristoetalo-in-helsinki-finland>

## **NZEB requirements in Nordic countries**

Kurnitski, Jarek The REHVA European HVAC journal 2019 / p. 8-12 : ill <https://www.rehva.eu/rehva-journal/chapter/nzeb-requirements-in-nordic-countries>

## **NZEB Requirements vs European Benchmarks in Residential Buildings**

Simson, Raimo; Thomsen, Kirsten Engelund; Wittchen, Kim Bjarne; Kurnitski, Jarek REHVA European HVAC Journal 2021 / p. 40-44 : ill <https://www.rehva.eu/rehva-journal/chapter/nzeb-requirements-vs-european-benchmarks-in-residential-buildings>

## **nZEB technical definition for nearly zero energy buildings**

Kurnitski, Jarek Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / p. 91-96 : ill

## **Nõuded liginullenergiahoonetele Euroopas**

Kurnitski, Jarek Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / lk. 45-51 : kaart

## **Nõudkem puhast õhku**

Kurnitski, Jarek Postimees 2021 / Lk. 12 <https://dea.digar.ee/article/postimees/2021/05/17/13.4>

### **Occupancy schedules for energy simulation in new prEN16798-1 and ISO/FDIS 17772-1 standards**

Ahmed, Kaiser; Akhondzada, Ali; **Kurnitski, Jarek**; Olesen, Bjarne Sustainable cities and society 2017 / p. 134-144 : ill <https://doi.org/10.1016/j.scs.2017.07.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Office building tenants' electricity use model for building performance simulations**

**Ferrantelli, Andrea**; Kuivjõgi, Helena; **Kurnitski, Jarek**; Thalfeldt, Martin Energies 2020 / art. 5541 <https://doi.org/10.3390/en13215541> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Old dry mold growth seems to emit less bioactive metabolites and surfactants than actively growing microbes**

Andersson, Maria A.; Marik, Tamas; Kredics, Laszlo; Salonen, Heidi; **Kurnitski, Jarek** Sisäilmastoseminaari 2019 : 14.3.2019 2019 / p. 215-220 : ill [https://www.sisailmautiset.fi/Sisailmastoseminaari\\_2019.pdf](https://www.sisailmautiset.fi/Sisailmastoseminaari_2019.pdf)

### **Online questionnaire as a tool to assess symptoms and perceived indoor air quality in a school environment**

Järvi, Kati; Vornanen-Winqvist, Camilla; Mikkola, Raimo; **Kurnitski, Jarek**; Salonen, Heidi Atmosphere 2018 / art. 270, p. 1-20 : ill <https://doi.org/10.3390/atmos9070270> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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 radiators, underfloor and ceiling heater towards the definition of a reference ideal heater for energy efficient buildings**

**Ferrantelli, Andrea**; **Võsa, Karl-Villem**; **Kurnitski, Jarek** Applied sciences 2018 / art. 2477, 22 p. : ill <https://doi.org/10.3390/app8122477> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Optimized energy scheduling of residential DC building: Case of Nordic climate**

**Sidorova, Aleksandra**; **Blinov, Andrei**; **Ahmadihangar, Roya**; **Vinnikov, Dmitri**; **Võsa, Karl-Villem**; **Kurnitski, Jarek** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 7 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227437>

### **Optimizing size and economic feasibility assessment of photovoltaic and energy storage setup in residential applications**

**Nourollahi Hokmabad, Hossein**; **Husev, Oleksandr**; **Kurnitski, Jarek**; **Belikov, Juri** Sustainable energy, grids and networks 2024 / art. 101385, 15 p. : ill <https://doi.org/10.1016/j.segan.2024.101385> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Overheating and air velocities in modern office buildings during heating season**

**Kiil, Martin**; **Simson, Raimo**; **Thalfeldt, Martin**; **Kurnitski, Jarek** Indoor air 2024 / art. 992937, 20 p. <https://doi.org/10.1155/2024/992937> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Overheating and daylighting evaluation for free-running classroom designs**

**Kiil, Martin**; **Simson, Raimo**; **De Luca, Francesco**; **Thalfeldt, Martin**; **Kurnitski, Jarek** IOP conference series : earth and environmental science 2019 / art. 012059, 7 p. : ill <https://doi.org/10.1088/1755-1315/352/1/012059> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Overheating prevention and daylighting in buildings without mechanical cooling = Ülekuumenemise vältimine ja loomuliku valguse tagamine mehaanilise jahutuseeta hoonetes**

**Simson, Raimo** 2019 <https://digikogu.taltech.ee/et/Item/1bbdb4ba-33ef-4596-a0bd-dcb6653bc81a>

### **Overview and future challenges of nearly zero-energy building (nZEB) design in Eastern Europe**

Attia, Shady; **Kurnitski, Jarek**; Kosin, Piotr; Borodinecs, Anatolijs; Belafi, Zsolt; Deme, Istvan; Kistelegdi, Krstic, Hrvoje; Moldovan, Macedon; Visa, Ion; Mihailov, Nicolay Energy and buildings 2022 / art. 112165 <https://doi.org/10.1016/j.enbuild.2022.112165> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Painesuhteet pientalossa**

**Kalamees, Targo**; **Kurnitski, Jarek**; Jokisalo, Juha; Vinha, Juha Sisäilmastoseminaari 2007 2007 / s. 259-264

### **Paneelmaja renoveerimine suuri tegijaid ei tõmba**

Rajavee, Allan; **Kurnitski, Jarek** Äripäev 2019 / lk. 6-7

### **Paneelmajade tulevik - kas tume, helge või hall? Kas rahaliselt jõukohased kodud on elamiseks ohtlikud või mitte?**

Aasmäe, Hardo; **Kurnitski, Jarek** Inseneria 2014 / lk. 18-22 : ill [https://artiklid.elnet.ee/record=b2678050\\*est](https://artiklid.elnet.ee/record=b2678050*est)

### **A paradigm shift to combat indoor respiratory infection**

Morawska, Lidia; Allen, Joseph; Bahnfleth, William; Bluysen, Philomena M.; Boerstra, Atze; Buonanno, Giorgio; Cao, Junji; Dancer, Stephanie J.; Floto, Andres; **Kurnitski, Jarek** Science 2021 / p. 689-691 <https://doi.org/10.1126/science.abg2025>

### **Parametric study for the long term energetic performance of geothermal energy piles**

**Ferrantelli, Andrea; Fadejev, Jevgeni; Kurnitski, Jarek** IOP conference series : earth and environmental science 2019 / art. 012047, 9 p. : ill <https://doi.org/10.1088/1755-1315/352/1/012011> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Parima energiatõhususega uued liginullenergiahooned on Eestis**

Ehitaja 2020 / lk. 7 : fot [http://www.ester.ee/record=b1072123\\*est](http://www.ester.ee/record=b1072123*est)

### **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; Käär, 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](#)

### **Penicillium expansum strain isolated from indoor building material was able to grow on gypsum board and emitted guttation droplets containing chaetoglobosins and communesins A, B and D**

**Salo, Johanna; Marik, Tamas; Mikkola, M.; Kurnitski, Jarek** Journal of applied microbiology 2019 / p. 1135-1147 : ill <https://doi.org/10.1111/jam.14369> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Performance based core sustainability metrics for university campuses developing towards climate neutrality : a robust PICSOU framework**

**Jiang, Qidi; Kurnitski, Jarek** Sustainable cities and society 2023 / art. 104723 <https://doi.org/10.1016/j.scs.2023.104723> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **PI parameter influence on underfloor heating energy consumption and setpoint tracking in nZEBs**

**Kull, Tuule Mall; Thalfeldt, Martin; Kurnitski, Jarek** Energies 2020 / art. 2068, 20 p. : ill <https://doi.org/10.3390/en13082068> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Pientalojen vuotoilmanvaihtuvuuden arviointimenetelmä Suomen olosuhteisiin**

**Jokisalo, Juha; Kurnitski, Jarek; Kalamees, Targo; Eskola, Lari; Jokiranta, Kai; Korpi, Minna; Vinha, Juha** Sisäilmastoseminaari 2008 : 05.03.2008 2008 / s. 165-170 <https://research.aalto.fi/en/publications/pientalojen-vuotoilmanvaihtuvuuden-arviointimenetelm%C3%A4-suomen-olos>

### **Point source ventilation effectiveness of mixing ventilation solutions used in non-residential settings**

**Kiil, Martin; Mikola, Alo; Võsa, Karl-Villem; Simson, Raimo; Kurnitski, Jarek** Proceedings, Indoor Air 2024 2024 / 8 p [https://www.isiaq.org/conference\\_proceedings.php](https://www.isiaq.org/conference_proceedings.php)

### **Positive pressure effect on moisture performance in a school building**

**Ferrantelli, Andrea; Vornanen-Winqvist, Camilla; Mattila, Miia; Salonen, Heidi; Kurnitski, Jarek** Journal of building physics 2019 / p. 121-142 : ill <https://doi.org/10.1177/1744259119837144> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Post-COVID ventilation design : infection risk-based target ventilation rates and point source ventilation effectiveness**

**Kurnitski, Jarek; Kiil, Martin; Mikola, Alo; Võsa, Karl-Villem; Aganovic, Amar; Schild, Peter G.; Seppänen, Olli** Energy and buildings 2023 / art. 113386 <https://doi.org/10.1016/j.enbuild.2023.113386> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Potential effects of permeable and hygroscopic lightweight structures on thermal comfort and perceived IAQ in a cold climate**

**Kurnitski, Jarek; Kalamees, Targo; Palonen, J.; Eskola, Lari; Seppänen, Olli** Indoor air 2007 / 1, p. 37-49 <https://pubmed.ncbi.nlm.nih.gov/17257151/>

### **The potential of HVAC systems and building envelope on the indoor climate stability in lightweight detached houses**

**Kalamees, Targo; Vinha, Juha; Kurnitski, Jarek** IEA Annex 41 MOIST-ENG Working meeting : Lyon France, 25-27 October 2006 2006 / [12] p

### **Practical indicators for risk of airborne transmission in shared indoor environments and their application to COVID-19 outbreaks**

**Peng, Zhang; Pineda Rojas, Andrea L.; Kropff, Emilio; Kurnitski, Jarek** Environmental science & technology 2022 / p. 1125-1137 <https://doi.org/10.1021/acs.est.1c06531> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Preface**

**Kurnitski, Jarek** Cost Optimal and Nearly Zero-Energy Buildings (nZEB) 2013 / p. v-vi <https://link.springer.com/book/10.1007/978-1-4471-5610-9> [Article collection metrics at Scopus](#) [Article at Scopus](#)

## **Preface to "Energy and technical building systems - scientific and technological advances"**

**Ferrantelli, Andrea; Kurnitski, Jarek** Energy and technical building systems - scientific and technological advances 2020 / p. IX  
<https://doi.org/10.3390/books978-3-03928-179-4>

## **Present energy performance requirements and nZEB targets in some selected countries**

**Kurnitski, Jarek; Feldmann, Christian** Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 31-46 : ill [https://doi.org/10.1007/978-1-4471-5610-9\\_3](https://doi.org/10.1007/978-1-4471-5610-9_3) [Article collection metrics at Scopus](#) [Article at Scopus](#)

## **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](#)

## **Professor : liiga kuiv õhk võib teha meid viirustele tundlikumaks [Võrguväljaanne]**

**Kurnitski, Jarek** novaator.err.ee 2020 / video [Professor: liiga kuiv õhk võib teha meid viirustele tundlikumaks](#)

## **Professor Kurnitski : insener kui teadlane ja eriala edendaja : TTÜ hoonete energiatõhususe ja sisekliima professori Jarek Kurnitski aastapäevakõne Tallinna tehnikaülikooli 98. aastapäeva aktusel**

**Kurnitski, Jarek** Mente et Manu 2016 / lk. 20-24 : fot [http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM\\_2016\\_06/index.html](http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM_2016_06/index.html) [https://artiklid.elnet.ee/record=b2804604\\*est](https://artiklid.elnet.ee/record=b2804604*est)

## **Professor Kurnitski: uus energiatõhususe raamistik toob ehitussektoris nii väljakutseid kui võimalusi**

**Kurnitski, Jarek** ehitusleht.ee 2025 <https://ehitusleht.ee/professor-kurnitski-uus-energiatõhususe-raamistik-toob-ehitussektoris-nii-väljakutseid-kui-voimalusi/>

## **Professor: liiga jahe kontor võib tuua nohu ja radikuliidi**

**novaator.err.ee** 2025 <https://novaator.err.ee/1609765059/professor-liiga-jahe-kontor-voib-tuua-nohu-ja-radikuliidi>

## **Professor: liiga palavaks köetud tuba tekitab tervisehädasid**

**Kurnitski, Jarek** novaator.err.ee 2024 [Professor: liiga palavaks köetud tuba tekitab tervisehädasid](#)

## **Professor: Overheating rooms a source of health problems**

**Sildvee, Reimo; Kurnitski, Jarek** err.ee 2024 [Professor: Overheating rooms a source of health problems](#)

## **Professor: Ühiskond survestab tugevalt Tallinna tehnikaülikooli suunda muutma**

**Kurnitski, Jarek** epl.delfi.ee 2024 [Professor: Ühiskond survestab tugevalt Tallinna tehnikaülikooli suunda muutma](#)

## **Progress with national nZEB applications in the EU**

**Kurnitski, Jarek** Advanced HVAC and Natural Gas Technologies : REHVA Annual Meeting & Conference 2015 with special student sessions on "Advanced HVAC and Natural Gas Technologies" : 06–09 May, 2015, Riga, Latvia 2015 / [1] p

## **Puurunkoisten pientalojen koetus- ja lämpötilaolosuhteet, ilmanvaihto ja ilmatiiviys**

**Vinha, Juha; Korpi, Minna; Kalamees, Targo; Eskola, Lari; Palonen, J.; Kurnitski, Jarek; Valovirta, I.; Mikkilä, A.; Jokisalo, Juha** 2005

## **Põhjamaade energiasäästlikemad hooned asuvad Eestis**

**Imeline Teadus** 2020 / lk. 21 : fot [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est)

## **QUALICHeCK overview of EPC compliance and quality issues on the ground**

**Kurnitski, Jarek; Kuusk, Kalle; Simson, Raimo** The REHVA European HVAC journal 2016 / p. 25-28 : ill <http://www.rehva.eu/publications-and-resources/rehva-journal/2016/052016/042016.html>

## **A qualitative control approach to reduce energy costs of hybrid energy systems : utilizing energy price and weather data**

**Taebnia, Mehdi; Heikkilä, Marko; Kurnitski, Jarek** Energies 2020 / art. 1401, 17 p. : ill <https://doi.org/10.3390/en13061401> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **A quanta-independent approach for the assessment of strategies to reduce the risk of airborne infection**

**Ağanovic, Amar; Kurnitski, Jarek; Wargocki, Pawel** Science of the total environment 2024 / art. 172278

**Quantification of economic benefits of renovation of apartment buildings as a basis for cost optimal 2030 energy efficiency strategies**

Pikas, Ergo; Kurnitski, Jarek; Liias, Roode; Thalfeldt, Martin Energy and buildings 2015 / p. 151-160 : ill

<https://doi.org/10.1016/j.enbuild.2014.10.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Quantification of environmental and economic impacts for main categories of building labeling schemes**

Seinre, Erkki; Kurnitski, Jarek; Voll, Hendrik Energy and buildings 2014 / p. 145-158 : ill <https://doi.org/10.1016/j.enbuild.2013.11.048>

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

**Quantification of environmental and economic impacts in building sustainability assessment = Keskkondlike ja majanduslike mõjude kvantifitseerimine hoonete jätkusuutlikkuse hindamisel**

Seinre, Erkki 2015 [https://www.ester.ee/record=b4453547\\*est](https://www.ester.ee/record=b4453547*est)

**Quantitative carbon emission prediction model to limit embodied carbon from major building materials in multi-story buildings**

Xie, Qimiao; Jiang, Qidi; Kurnitski, Jarek; Yang, Jiahang; Lin, Zihao; Ye, Shiqi Sustainability 2024 / art. 5575

<https://doi.org/10.3390/su16135575> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Radiant panel and air heating performance in large industrial buildings**

Ahmed, Kaiser; Sistonen, Esko; Simson, Raimo; Kurnitski, Jarek; Kesti, Jyrki; Lautso, Petteri Building simulation 2018 / p. 293-

303 : ill <https://doi.org/10.1007/s12273-017-0414-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Radiator and floor heating operative temperature and temperature variation corrections for EN 15316-2 heat emission standard**

Maivel, Mikk; Kurnitski, Jarek Energy and buildings 2015 / p. 204-213 : ill <https://doi.org/10.1016/j.enbuild.2015.04.021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Radooniohu vähendamise lahendused olemasolevatele ja uutele hoonetele = Guidance for radon-protective measures for new and existing buildings [Võrguväljaanne]**

Kalamees, Targo; Alev, Üllar; Thalfeldt, Martin; Varda, Kadi; Kurnitski, Jarek 2015

**Rahvusraamatukogu uus algus**

Leet, Lauri Ehitaja 2019 / lk. 12-14 : fot [http://www.ester.ee/record=b1072123\\*est](http://www.ester.ee/record=b1072123*est)

**Rakennusten energiatehokkuusdirektiiviä tukevat uusitut CEN standardit**

Kurnitski, Jarek Rakennusten energiaseminaari 2014 2014 / s. 24-25

**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](#)

**Reeglid muutuvad - riik hakkab korraldama renoveerimisturgu**

Rommelg, Teeli Ehitaja 2024 / lk. 18-20 : fot., portr [https://www.ester.ee/record=b1072123\\*est](https://www.ester.ee/record=b1072123*est)

**REHVA - EUROVENT seminar discussed the reviews of directives, inclusion of indoor climate and situation with national nZEB as main topics**

Kurnitski, Jarek The REHVA European HVAC journal 2016 / p. 66-68 : ill <http://www.rehva.eu/publications-and-resources/rehva-journal/2016/062016.html>

**REHVA - EUROVENT seminar keskendus energiatõhususele**

Kurnitski, Jarek EhitusEST 2016 / lk. 28 [http://www.ester.ee/record=b4442657\\*est](http://www.ester.ee/record=b4442657*est) [https://artiklid.elnet.ee/record=b2808213\\*est](https://artiklid.elnet.ee/record=b2808213*est)

**REHVA COVID-19 guidance document : [Version April 3, 2020]**

Kurnitski, Jarek; Boerstra, Atze; Franchimon, Francesco The REHVA European HVAC Journal 2020 / p. 55-65 : ill

[https://www.rehva.eu/rehva-journal/detail?](https://www.rehva.eu/rehva-journal/detail?tx_wbjournals_journaldetail%5Baction%5D=download&tx_wbjournals_journaldetail%5Bcontroller%5D=Journal&tx_wbjournals_journaldetail%5Bjournal%5D=67&cHash=aaf8ba678c531e077d4db71224c3882c)

[tx\\_wbjournals\\_journaldetail%5Baction%5D=download&tx\\_wbjournals\\_journaldetail%5Bcontroller%5D=Journal&tx\\_wbjournals\\_journaldetail%5Bjournal%5D=67&cHash=aaf8ba678c531e077d4db71224c3882c](https://www.rehva.eu/rehva-journal/detail?tx_wbjournals_journaldetail%5Baction%5D=download&tx_wbjournals_journaldetail%5Bcontroller%5D=Journal&tx_wbjournals_journaldetail%5Bjournal%5D=67&cHash=aaf8ba678c531e077d4db71224c3882c) <https://www.rehva.eu/activities/covid-19-guidance>

**REHVA nZEB Task Force buildings - renewable energy contribution and open nZEB issues**

Kurnitski, Jarek European Heat Pump Association EHPA Expert Workshop on Nearly Zero Energy buildings (nZEB) : May 27, 2015 Brussels 2015

**REHVA nZEB technical definition and system boundaries for nearly zero energy buildings**

**Kurnitski, Jarek** Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013 / [10] p. : ill

**REHVA nZEB technical definition and system boundaries for nearly zero energy buildings : 2013 revision for uniformed national implementation of EPBD recast prepared in cooperation with European standardization organization CEN**  
2013

**REHVA position paper on the European Commission proposal of the revised Energy performance of buildings directive COM(2016)0765**

Corngati, Stefano; **Kurnitski, Jarek** The REHVA European HVAC journal 2017 / p. 48-51  
[http://www.rehva.eu/fileadmin/REHVA\\_Journal/REHVA\\_Journal\\_2017/RJ2/p.48/48-50\\_RJ1702\\_WEB.pdf](http://www.rehva.eu/fileadmin/REHVA_Journal/REHVA_Journal_2017/RJ2/p.48/48-50_RJ1702_WEB.pdf)

**REHVA Task Forces - backbone of the REHVA Technical activities**

Railio, Jorma; **Kurnitski, Jarek**; Mazzarella, Livio The REHVA European HVAC journal 2013 / p. 65-68

**REHVA-EUROVENT-seminaarini pääteemoina olivat direktiivien uusinta ja lähes nollaenergiarakennukset**  
**Kurnitski, Jarek** Talotekniikka 2016 / s. 53 : kuv

**Rekonstrueerimise olevik ja tulevik - millised on uued lahendused? = Настоящее и будущее реконструкции : какие есть новые решения?**

**Kurnitski, Jarek** Elamu 2020 / lk. 10-11, 34-35 : fot [https://www.ester.ee/record=b1072137\\*est](https://www.ester.ee/record=b1072137*est)

**Rektoriks pürgiv Kurnitski tahab tugevdada tehnikaülikooli sidet majandusega [Võrguväljaanne]**

**Kurnitski, Jarek** novaator.err.ee 2020 / fot [Rektoriks pürgiv Kurnitski tahab tugevdada tehnikaülikooli sidet majandusega](#)

**Relative humidity effects on viruses and human responses**

**Kurnitski, Jarek**; Wargocki, Pawel; Aganovic, Amar The REHVA European HVAC journal 2021 / p. 7-12 <https://www.rehva.eu/rehva-journal/chapter/relative-humidity-effects-on-viruses-and-human-responses>

**Relevance of renewable energy ratio indicator in describing nZEB performance**

**Thalfeldt, Martin; Kurnitski, Jarek**; Gräslund, Jonas; Kempe, Per; Verwer, Jeroen CLIMA 2016 - proceedings of the 12th REHVA World Congress. Vol. 6 2016 / [10] p. : ill

**Renewables in NZEB office and school buildings**

**Kurnitski, Jarek** World Sustainable Energy Days 2015 : Energy-Efficient Commercial Buildings Conference : 25-27 February 2015, Wels, Austria 2015

**Renovation of ventilation in apartment buildings - Estonian experience**

**Mikola, Alo; Kuusk, Kalle; Hamburg, Anti; Kurnitski, Jarek; Kalamees, Targo** The REHVA European HVAC journal 2019 / p. 20-26 : ill <https://www.rehva.eu/rehva-journal/chapter/renovation-of-ventilation-in-apartment-buildings-estonian-experience>

**Renovation results of Finnish single-family renovation subsidies : oil boiler replacement with heat pumps**

Sankelo, Paula; Ahmed, Kaiser; **Mikola, Alo; Kurnitski, Jarek** Energies 2022 / art. 7620 <https://doi.org/10.3390/en15207620> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Renoveerimata lasteasutustes teeb muret koroonat soodustav vilets ventilatsioon [Võrguväljaanne]**

Pärli, Merilin err.ee 2021 / fot [Renoveerimata lasteasutustes teeb muret koroonat soodustav vilets ventilatsioon](#)

**Renoveerimislahest tekkinud furoor on liiast? Eksperdi hinnangul vajaks tempo sootuks tõstmist**

Kaaver, Krista arileht.delfi.ee 2023 [Renoveerimislahest tekkinud furoor on liiast? Eksperdi hinnangul vajaks tempo sootuks tõstmist](#)

**Renoveerimistoetuste nappus võib kannustada elanike jõukuspõhist eraldumist**

Piir, Rait novaator.err.ee 2023

**Renoveeritud paneelmajade elanikud peavad arvestama kopsaka remondilaenu**

Kröönström, Kristiina pealinn.ee 2024 [Renoveeritud paneelmajade elanikud peavad arvestama kopsaka remondilaenu](#)

**A research project on the temperature and humidity conditions, ventilation and airtightness of Finnish detached houses**

Vinha, Juha; Korpi, Minna; **Kalamees, Targo**; Eskola, Lari; Palonen, J.; **Kurnitski, Jarek**; Valovirta, I.; Mikkilä, A.; Jokisalo, Juha Final report of the IEA Annex 41 Whole Building Heat Air and Moisture Response - Subtask 3 : Boundary Conditions and Whole Building HAM Analysis 2008 / p. 157-174

**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

### **Residential heat recovery ventilation**

**Thalfeldt, Martin**; Weele, Harry van; Toksoy, Macit; Carlsson, Thomas; Vladykova Bednarova, Petra; Seppänen, Olli 2018  
<https://www.rehva.eu/eshop/detail/residential-heat-recovery-ventilation>

### **Residential heat recovery ventilation – European guidebook under preparation**

**Kurnitski, Jarek** The REHVA European HVAC journal 2017 / p. 7–9 : ill <http://www.rehva.eu/publications-and-resources/rehva-journal/2017/062017/residential-heat-recovery-ventilation-european-guidebook-under-preparation.html>

### **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

### **Respiratory infection risk-based ventilation design method**

**Kurnitski, Jarek; Kiil, Martin; Wargocki, Pawel; Boerstra, Atze; Seppänen, Olli; Olesen, Bjarne; Morawska, Lidia** Building and environment 2021 / art. 108387, 11 p. : ill <https://doi.org/10.1016/j.buildenv.2021.108387> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Revealing Stachybotrys-like fungal growth in buildings - Possible exposure highlighted through three case studies**

**Hintikka, Tuomas; Andersson, Maria A.; Marik, Tamás; Mikkola, Raimo; Andersson, Magnus; Kredics, László; Kurnitski, Jarek; Salonen, Heidi** Science of the total environment 2025 / art. 178408 <https://doi.org/10.1016/j.scitotenv.2025.178408>

### **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

### **Revision of REHVA nZEB technical definition for nearly zero energy buildings**

**Kurnitski, Jarek** Magyar épületgepezet 2012 / p. 14-19 : ill

### **Riigi toetuse saanud tippkeskused annavad Eestile uued tiivad**

**Uusen, Kaie** Mente et Manu 2024 / lk. 38-41 [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

### **Rohepöörde poolt ja vastu**

**Kurnitski, Jarek** Postimees 2023 / Lk. 13 <https://dea.digar.ee/article/postimees/2023/01/17/14.6>

### **Rohepöördest ja harjumuste loomulikust muutumisest**

**Kurnitski, Jarek** Postimees 2021 / Lk. 8 <https://dea.digar.ee/article/postimees/2021/10/30/11.3>

### **Rohepööre tasuks ära teha ka inimtekkelise kliimamuutusega**

**Kurnitski, Jarek** Postimees 2022 / Lk. 13 <https://dea.digar.ee/article/postimees/2022/12/01/13.8> Rohepööre tasuks ära teha ka inimtekkelise kliimamuutusega

### **Rohetund #38: Kümned tuhanded maakodud vajavad renoveerimist. Kuidas teha seda õigesti ja vältida vigu?**

**Soopan, Ivar** rohe.geenius.ee 2023 [Rohetund #38: Kümned tuhanded maakodud vajavad renoveerimist. Kuidas teha seda õigesti ja vältida vigu?](https://rohetund.ee/38)

### **Ruusutorpan koulun puhallinavustein painovoimainen ilmanvaihto**

**Kurnitski, Jarek; Jokiranta, Kai; Kalamees, Targo; Helenius, Tapio; Palonen, J.** Sisäilmastoseminaari 2005 : Espoo, Otaniemi, Finland, 16.-17.02.2005 2005 / s. 75-80

### **Ruusutorpan koulun puhallinavusteinen painovoimainen ilmanvaihto (2005)**

**Kurnitski, Jarek; Jokiranta, Kai; Kalamees, Targo; Helenius, Tapio; Palonen, J.; Airaksinen, M.** 2005

### **SBE16 konverentsi töid Tallinnasse üle 150 osaleja**

**Kurnitski, Jarek** EhitusEST 2016 / lk. 34 : fot [https://artiklid.elnet.ee/record=b2808220\\*est](https://artiklid.elnet.ee/record=b2808220*est)

### **Screening mold colonies by using two toxicity assays revealed indoor strains of Aspergillus calidoustus producing Ophiobolins G and K**

**Salo, Marja Johanna; Marik, Tamas; Bencsik, Ottó; Mikkola, Raimo; Kredics, Laszlo; Szekeres, András; Andersson, Maria A.; Salonen, Heidi; Kurnitski, Jarek** Toxins 2019 / art. 683, 16 p. : ill <https://doi.org/10.3390/toxins11120683> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Seadus : saagu hoonetest energijaamad!**

**Kurnitski, Jarek** Inseneeria 2015 / lk. 34-36, 38, 40 : ill [https://artiklid.elnet.ee/record=b2720904\\*est](https://artiklid.elnet.ee/record=b2720904*est)

**Self-learning model predictive control for dynamic activation of structural thermal mass in residential buildings**

Wolisz, Henryk; **Kull, Tuule Mall**; Müller, Dirk; **Kurnitski, Jarek** Energy and buildings 2020 / art. 109542, 21 p. : ill  
<https://doi.org/10.1016/j.enbuild.2019.109542> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Setback efficiency of limited-power heating systems in cold climate**

**Kull, Tuule Mall; Simson, Raimo; Kurnitski, Jarek** Cold Climate HVAC 2018 : Sustainable buildings in cold climates : proceedings of the 9th Cold Climate HVAC conference, Kiruna, Sweden, 2018, 12-15 March 2019 / p. 87-95  
[https://doi.org/10.1007/978-3-030-00662-4\\_8](https://doi.org/10.1007/978-3-030-00662-4_8)

**Sisekliima, õpitulemus, tööviljakus**

**Kurnitski, Jarek; Murdvee, Mart** 2015 [http://www.ester.ee/record=b4462624\\*est](http://www.ester.ee/record=b4462624*est)

**Sisäilma kosteuslisä suomalaisissa pientalossa**

**Kalamees, Targo**; Vinha, Juha; Korpi, Minna; Valvorita, I.; Kurnitski, Jarek Sisäilmastoseminaari : 17-18.03.2004, Espoo 2004 / s. 81 <https://researchportal.tuni.fi/en/publications/sis%C3%A4ilman-kosteuslis%C3%A4-suomalaisissa-pientaloissa>

**Sisäilmaongelmaisten koulurakennusten korjaaminen**

Aalto, Minna; Asikainen, Vesa; **Kalamees, Targo; Kurnitski, Jarek** 2008  
<https://research.aalto.fi/en/publications/sis%C3%A4ilmaongelmaisten-koulurakennusten-korjaaminen>

**Sisäilmaongelmaisten koulurakennusten korjausratkaisujen kehittäminen**

**Kurnitski, Jarek**; Pirinen, J.; Peltola, S.; **Kalamees, Targo**; Asikainen, V. Rakennusfysiikka 2007 : Tampere (Finland), 18-19.10.2007 2007 / s. 165-174

**Sixth grade pupils' health and performance and indoor environmental quality in Finnish school buildings**

Haverinen-Shaughnessy, Ulla; Turunen, Mari; Metsämuuronen, Jari; Palonen, Jari; Putus, Tuula; **Kurnitski, Jarek**; Shaughnessy, Richard British journal of educational research 2012 / p. 42-58 <https://journaljesbs.com/index.php/JESBS/article/view/782>

**State-subsidised refurbishment of socialist apartment buildings in Estonia**

**Kuusk, Kalle; Kurnitski, Jarek** Housing estates in the Baltic countries : the legacy of central planning in Estonia, Latvia and Lithuania 2019 / p. 339-355 : ill [https://doi.org/10.1007/978-3-030-23392-1\\_16](https://doi.org/10.1007/978-3-030-23392-1_16) [https://www.ester.ee/record=b5284229\\*est](https://www.ester.ee/record=b5284229*est)

**Status on the ground : overview of existing surveys on energy performance related quality and compliance [Online resource]**

**Maivel, Mikk; Kuusk, Kalle; Simson, Raimo; Kurnitski, Jarek; Kalamees, Targo** 2015 <http://qualicheck-platform.eu/wp-content/uploads/2015/06/QUALICheck-Report-Overview-of-existing-studies.pdf>

**Stratification and draught measurements of ceiling panels, underfloor cooling and fan-assisted radiators**

**Võsa, Karl-Villem; Eist, Egert; Kurnitski, Jarek** CLIMA 2022: the 14th REHVA HVAC World Congress, 22nd – 25th May in Rotterdam, The Netherlands 2022 / p. 1-8 <https://doi.org/10.34641/clima.2022.170>

**Summer thermal comfort : compliance assessment and overheating prevention in new apartment buildings in Estonia**

**Simson, Raimo; Kurnitski, Jarek; Maivel, Mikk** Journal of building performance simulation 2017 / p. 378-391 : ill  
<https://doi.org/10.1080/19401493.2016.1248488> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Summer thermal comfort compliance assessment in apartment buildings**

**Simson, Raimo; Kurnitski, Jarek; Maivel, Mikk; Kalamees, Targo** Healthy Buildings 2015 : Eindhoven, The Netherlands, May 18-20, 2015 [Electronic resource] 2015 / p. 1-8 : ill. [USB]

**Summer thermal comfort in new and old apartment buildings**

**Maivel, Mikk; Kurnitski, Jarek; Kalamees, Targo** Proceedings : Windsor Conference 2014 : Counting the Cost of Comfort in a Changing World : 8th Windsor Conference, International Conference, held 10th-13th April 2014, Windsor, UK 2014 / p. 42-50 : ill

**Summertime overheating prevention requirements and results in Estonia**

**Simson, Raimo; Kurnitski, Jarek; Maivel, Mikk** The REHVA European HVAC journal 2015 / p. 23-27 : ill

**Surface-active thermally responsive hydrogels by emulsion sedimentation for smart window applications**

Timusk, Martin; Locs, Janis; Kangur, Triin; Kasikov, Aarne; **Kurnitski, Jarek**; Šutka, Andris ACS applied polymer materials 2023 / p. 5937-5950 : ill <https://doi.org/10.1021/acsapm.3c00600> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Sustainable Built Environment Tallinn and Helsinki Conference 2016 (SBE16) : Build Green and Renovate Deep : Tallinn, Estonia and Helsinki, Finland, 5-7 October 2016**

2016

## **Svenska BBR slappast i Norden**

**Kurnitski, Jarek**; Kretz, Mark; Lindholm, Ingar Energi & miljö 2013 / s. 6-7 : ill

## **Zonal modeling of air distribution impact on the long-range airborne transmission risk of SARS-CoV-2**

Aganovic, Amar; Cao, Guangyu; **Kurnitski, Jarek**; Melikov, Arsen Kriko; Wargocki, Pawel Applied mathematical modelling 2022 / p. 800-821 <https://doi.org/10.1016/j.apm.2022.08.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **A tabulated sizing method for the early stage design of geothermal energy piles including thermal storage**

**Ferrantelli, Andrea**; Fadejev, Jevgeni; **Kurnitski, Jarek** Energy and buildings 2020 / art. 110178

<https://doi.org/10.1016/j.enbuild.2020.110178> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Talotekniikalla ja automaatiolla viihtyisyyttä ja energiansäästöä**

Heilä, Sampsa RIA 2014 / s. 6-12 : kuv

## **TalTech teel kliimaneutraalsuseni: siht 2035. aastaks**

Rammus, Kristin; Land, Tiit; **Kurnitski, Jarek** Trialoog 2025 <https://trialoog.taltech.ee/taltech-teel-kliimaneutraalsuseni-siht-2035-aastaks/>

## **Taltech'i ehitusprofessorid: Kui tempot ei lisa, siis renoveerime oma hooneid energiatõhusaks 100 aastat**

Jarne, Aivar pealinn.ee 2023 [Taltech'i ehitusprofessorid: Kui tempot ei lisa, siis renoveerime oma hooneid energiatõhusaks 100 aastat](#)

## **TalTech'i uus seade: proovida võib kasvõi tanki vastupidavust**

postimees.ee 2023 [TalTech'i uus seade: proovida võib kasvõi tanki vastupidavust](#)

## **Targa hoone tehnoloogia ettevõttega Bisly liituvad tippjuht ja energiatõhususe ekspert**

Sildmets, Kadri delfi.ee 2024 [Targa hoone tehnoloogia ettevõttega Bisly liituvad tippjuht ja energiatõhususe ekspertautor](#)

## **Targem soojustpumba kasutamine säästab rahakotti ja loodust**

Targu Talita : Maalehe nõuandelisa : [ilmub koos Maalehega] 2024 / lk. 14-15 <https://dea.digar.ee/article/targutalita/2024/10/31/10.3>

## **Target values for indoor environment in energy-efficient design**

Seppänen, Olli; **Kurnitski, Jarek** Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 57-78 : ill

## **Teadlane vastab : millised hakkavad olema tulevikumajad? [Võrguväljaanne]**

**Kurnitski, Jarek** Eesti Teaduste Akadeemia : Youtube kanal 2020 / video [Teadlane vastab: millised hakkavad olema tulevikumajad?](#)

## **Teadlased rõhutavad ventilatsiooni tähtsust viiruse leviku piiramisel [Võrguväljaanne]**

Punamäe, Ode Maria err.ee 2020 / fot [Teadlased rõhutavad ventilatsiooni tähtsust viiruse leviku piiramisel](#)

## **Teadmistepõhine ehitus tuleb taas**

**Kurnitski, Jarek** Ehitaja 2016 / lk. 12 : fot [https://artiklid.elnet.ee/record=b2764460\\*est](https://artiklid.elnet.ee/record=b2764460*est)

## **Teaduselt ühiskonnale : energia kokkuhoid : Mida tähendab ehituskonstruksiooniliselt liginullenergiahoone nZEB? Mis on sellise hoone olemuslik kontseptsioon?**

**Kurnitski, Jarek** KesKus 2013 / lk. 44 : ill <http://kes-kus.ee/teaduselt-uhiskonnale/>

## **Technical definition for nearly zero energy buildings**

**Kurnitski, Jarek** The REHVA European HVAC journal 2013 / p. 22-28 : ill

## **Teenetemärgi laureaati Kurnitski : aitasin tuua hoonetesse hea sisekliima**

novaator.err.ee 2024 [Teenetemärgi laureaati Kurnitski: aitasin tuua hoonetesse hea sisekliima](#)

## **Tehnikateaduste valdkonna aastapreemia tööde tsükli "Liginullenergiahoonete süsteemiipiirid ja tehnilised lahendused" eest : Jarek Kurnitski. Hoonete energiatõhususe imeline maailm**

**Kurnitski, Jarek** Eesti Vabariigi preemiad 2018 : teadus. F. J. Wiedemanni keeleauhind. Kultuur. Sport 2018 / lk. 100-123 : ill., portr

## **Tehnikaülikool alustas rohepööret iseendast**

digi.geenius.ee 2024 [Tehnikaülikool alustas rohepööret iseendast](#)

## **Tehnikaülikool rakendab rohepöörde veduriks sünergia**

digi.geenius.ee 2024 [Tehnikaülikool rakendab rohepöörde veduriks sünergia](#)

## **Tehnikaülikoolis on uus katseseade, mis võib välja panna Abramsi tanki kaalu**

Ehitaja 2023 / lk. 35 : fot [https://www.ester.ee/record=b1072123\\*est](https://www.ester.ee/record=b1072123*est) [https://artiklid.elnet.ee/record=b2904596\\*est](https://artiklid.elnet.ee/record=b2904596*est)

### Temperature calibration and annual performance of cooling for ceiling panels

**Seyed Salehi, Seyed Shahabaldin; Vösa, Karl-Villem; Kurnitski, Jarek; Thalfeldt, Martin** CLIMA 2022: the 14th REHVA HVAC World Congress, 22nd – 25th May in Rotterdam, The Netherlands 2022 / p. 1-8 <https://doi.org/10.34641/clima.2022.344>

### Temperature distribution and ventilation in large industrial halls

**Kurnitski, Jarek;** Ahmed, Kaiser; **Simson, Raimo;** Sistonen, Esko Making Comfort Relevant : 9th International Windsor Conference : proceedings : Cumberland Lodge, Windsor Great Park, UK, 7th-10th April 2016 2016 / p. 340-348 : ill [http://nceub.org.uk/W2016/pdfs/proceedings/Proceedings\\_Windsor\\_Conference\\_2016.pdf](http://nceub.org.uk/W2016/pdfs/proceedings/Proceedings_Windsor_Conference_2016.pdf)

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

### 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](#)

### Toetusraha läheb jõukatele: „Pikka plaani ega head riigivalitsemist ei ole võimalik selles mustris kuidagi näha.“

Hallik, Liina Õhtuleht 2023 / Lk. 12-13 <https://dea.digar.ee/article/oh tuleht/2023/10/28/9.1>

### Total economy of energy-efficient office building facades in a cold climate = Külmas kliimas asuvate energiatõhusate büroohoonete fassaadi energia- ja majandusanalüüs

**Thalfeldt, Martin** 2016 <https://digi.lib.ttu.ee/ii/?4068> [https://www.ester.ee/record=b4552059\\*est](https://www.ester.ee/record=b4552059*est)

### Total economy of windows and facades in low energy office buildings

**Thalfeldt, Martin; Kurnitski, Jarek; Voll, Hendrik; Pikas, Ergo** The REHVA European HVAC journal 2014 / p. 19-24 : ill

### Towards nZEB - some examples of national requirements and roadmaps

Jagemar, Lennart; Schmidt, Michael; Allard, Francis; Heiselberg, Per; **Kurnitski, Jarek** The REHVA European HVAC journal 2011 / p. 14-17 : ill <https://vbn.aau.dk/en/publications/towards-nzeb-some-examples-of-national-requirements-and-roadmaps>

### Towards the definition of a reference ideal radiator for the assessment of heat emission efficiency in buildings

**Ferrantelli, Andrea; Vösa, Karl-Villem; Kurnitski, Jarek** IOP conference series : materials science and engineering 2018 / art. 012034, 8 p. : ill <https://doi.org/10.1088/1757-899X/415/1/012034> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### Toxicities of detergents used in cleaning chemicals and hygiene products in a test battery of Ex Vivo and in Vitro assays

Andersson, Maria A.; Nagy, Szabolcs; Mikkola, Raimo; **Kurnitski, Jarek;** Salonen, Heidi Sisäilmastoseminaari 2019 : 14.3.2019 2019 / p. 297-302 [https://www.sisailmautiset.fi/Sisailmastoseminaari\\_2019.pdf](https://www.sisailmautiset.fi/Sisailmastoseminaari_2019.pdf)

### Toxicity screening of fungal extracts and metabolites, xenobiotic chemicals, and indoor dusts with in vitro and ex vivo bioassay methods

Hintikka, Tuomas; Andersson, Maria A.; Lundell, Taina; Marik, Tamas; Kredics, Laszlo; Mikkola, Raimo; Andersson, Magnus C.; **Kurnitski, Jarek;** Salonen, Heidi Pathogens 2024 / art. 217 <https://doi.org/10.3390/pathogens13030217> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Transmission of SARS-CoV-2 by inhalation of respiratory aerosol in the Skagit Valley Chorale superspreading event

Miller, Shelly L.; Nazaroff, William W.; Jimenez, Jose L.; **Kurnitski, Jarek** Indoor air 2021 / p. 314-323 <https://doi.org/10.1111/ina.12751> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### TTÜ aasta teadlane 2015 on professor Jarek Kurnitski

**Kurnitski, Jarek** Mente et Manu 2016 / lk. 20-21 : fot [https://artiklid.elnet.ee/record=b2767546\\*est](https://artiklid.elnet.ee/record=b2767546*est)

### TTÜ ehitusteaduskonnast võrsus kolm uut doktorit : [Mikk Maivel, Kalle Kuusk, Endrik Arumägi]

**Kurnitski, Jarek** Ehitaja 2015 / lk. 12-13 [https://artiklid.elnet.ee/record=b2740486\\*est](https://artiklid.elnet.ee/record=b2740486*est)

### TTÜ pereühiselamu lugu : vanast paneelmajast moodsaks liginullenergiahooneks = История семейного общежития

**TTY : современное здание с близким к нулю потреблением энергии из старого панельного дома**  
Trell, Kristel Elamu 2018 / lk. 10-13, 32-35 : ill [https://www.ester.ee/record=b1072137\\*est](https://www.ester.ee/record=b1072137*est) [https://artiklid.elnet.ee/record=b2865889\\*est](https://artiklid.elnet.ee/record=b2865889*est)

### TTÜ professor : EKKM-i renoveerimist oleks maksumaksjale raske põhjendada [Võrguväljaanne]

Maarits, Merit kultuur.err.ee 2019 / fot [TTÜ professor: EKKM-i renoveerimist oleks maksumaksjale raske põhjendada](#)

**TTÜ professor : EKKM-i renoveerimist oleks maksumaksjale raske põhjendada [Võrguväljaanne]**

Maartis, Merit; Kurnitski, Jarek kultuur.err.ee 2019 / fot [TTÜ professor: EKKM-i renoveerimist oleks maksumaksjale raske põhjendada](#)

**TTÜ tutvustas ehitajatele laborite kasutamise võimalusi : [ka Tea Varraku, Targo Kalamehe ja Jarek Kurnitski kommentaarid]**

Ehitaja 2015 / lk. 24 : fot

**TTÜ uuendused : ehitusteaduskonnast ehituse ja arhitektuuri instituudiks**

Kurnitski, Jarek EhitusEST 2017 / lk. 20-21 [http://www.ester.ee/record=b4442657\\*est](http://www.ester.ee/record=b4442657*est) [https://artiklid.elnet.ee/record=b2828406\\*est](https://artiklid.elnet.ee/record=b2828406*est)

**Tulevaste ehitusinseneride kasvulava sai nurgakivi**

Ehitaja 2019 / lk. 30-31 : fot [http://www.ester.ee/record=b1072123\\*est](http://www.ester.ee/record=b1072123*est)

**12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020**

2020 <https://www.e3s-conferences.org/articles/e3sconf/abs/2020/32/contents/contents.html>

**Urban planning principles of nearly zero-energy residential buildings in Estonia**

Voll, Hendrik; Thalfeldt, Martin; De Luca, Francesco; Kurnitski, Jarek; Olesk, Timo Management of environmental quality - an international journal 2016 / p. 634-648 : ill <https://doi.org/10.1108/meq-05-2015-0101> [Journal metrics at Scopus](#) [Article at Scopus](#)

**US DOE launched a common definition for Zero Energy Buildings**

Kurnitski, Jarek; Hogeling, Jaap The REHVA European HVAC journal 2015 / p. 58-60 : ill

**Using portable air cleaners to restrict airborne transmission in an open plan office – a field measurement and CFD study**

Kilpeläinen, Simo; Ejaz, Muhammad F.; Mikola, Alo; Kiil, Martin; Kurnitski, Jarek; Kosonen, Risto E3S Web of Conferences : Roomvent Conference 2024 2024 / 6 p <https://invitepeople.com/public/events/fe41371a0b/pages/ed19d3ae89>

**Uuring : Eesti liginullenergiahooned on Põhjamaade kõige säästlikumad [Võrguväljaanne]**

Kurnitski, Jarek novaator.err.ee 2020 / fot [Uuring: Eesti liginullenergiahooned on Põhjamaade kõige säästlikumad](#)

**Uuring: targalt küttes võib kuludelt säästa viiendiku**

goodnews.ee novaator.err.ee 2024 [Uuring: targalt küttes võib kuludelt säästa viiendiku](#) <https://novaator.err.ee/1609490215/uuring-borsihinda-jalgiv-soojuspump-vahendab-kuttekulusid-12-protseinti>

**Uus meetod tagab hoones puhta siseõhu**

Kurnitski, Jarek Ehitaja 2021 / lk. 20 [https://www.ester.ee/record=b1072123\\*est](https://www.ester.ee/record=b1072123*est)

**Uus riiklik strateegia näeb ette kõigi vanemate hoonete rekonstrueerimist**

Kurnitski, Jarek Elamu 2020 / lk. 4-7 : ill [https://www.ester.ee/record=b1072137\\*est](https://www.ester.ee/record=b1072137*est)

**Uusi tulemusi ja sammude seadmist kriisidest väljumiseks**

Kurnitski, Jarek EhitusEST 2022 / lk. 22 [https://www.ester.ee/record=b4442657\\*est](https://www.ester.ee/record=b4442657*est)

**Uusi tulemusi ja sammude seadmist kriisidest väljumiseks**

Kurnitski, Jarek Ehitaja 2022 / lk. 43 [https://www.ester.ee/record=b1072123\\*est](https://www.ester.ee/record=b1072123*est)

**Uute kortermajade kaldteed neelavad meeletult elektrit. Seetõttu võivad ka arved paisuda ootamatult suureks**

Tigasson, Külli-Riin ekspress.ee 2024 [Uute kortermajade kaldteed neelavad meeletult elektrit. Seetõttu võivad ka arved paisuda ootamatult suureks](#)

**V3 väljakutsete vanik**

Soomere, Tarmo; Kurnitski, Jarek; Randma-Liiv, Tiina; Vasar, Eero Akadeemilisi arutlusi : ilmast ja inimestest 2022 / lk. 153-156 [https://www.ester.ee/record=b5521198\\*est](https://www.ester.ee/record=b5521198*est) <https://dea.digar.ee/article/postimees/2021/03/03/14.6>

**V3 väljakutsete vanik**

Soomere, Tarmo; Kurnitski, Jarek; Randma-Liiv, Tiina; Vasar, Eero Postimees 2021 / Lk. 15 <https://dea.digar.ee/article/postimees/2021/03/03/14.6>

**Vajalikke selgitusi liginullenergiahoone ja energiatõhususe kohta = Разъяснения по энергетической эффективности и зданиям с близким к нулю потреблением энергии**

Kurnitski, Jarek Elamu 2018 / lk. 14-15 : fot; 36-37 : фото [https://www.ester.ee/record=b1072137\\*est](https://www.ester.ee/record=b1072137*est) [https://artiklid.elnet.ee/record=b2865891\\*est](https://artiklid.elnet.ee/record=b2865891*est)

**Varjendite rajamise nõue võib kergitada korterite hinda**

Landeiro, Ingrid; Jet, Olga err.ee 2024 [Varjendite rajamise nõue võib kergitada korterite hinda](#)

**Water vapour mobilises building related non-volatile chemicals and mycotoxins and may be used to remove substances of potential health hazard from indoor surfaces**

Selkäinaho, Jorma; Harmo, Panu; **Kurnitski, Jarek** Roomvent&Ventilation 2018 : Excellent Indoor Climate and High Performing Ventilation : proceedings 2018 / p. 91-96 : ill <https://www.lyyti.fi/e/?p=s&k=76eA857eee2A33adcE00b0E> <https://www.lyyti.fi/e/?p=s&k=a0E0486b2BC6d8D0F880e96C> [https://www.lyyti.fi/reg\\_att/efA658E7F74904eE7C/0346A5827dBb77E92710.pdf](https://www.lyyti.fi/reg_att/efA658E7F74904eE7C/0346A5827dBb77E92710.pdf)

**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](#)

**Wax actuator's empirical model development and application to underfloor heating control with varying complexity of controller modelling detail**

Parts, Tuule Mall; Ferrantelli, Andrea; Naar, Hendrik; Thalfeldt, Martin; **Kurnitski, Jarek** Journal of building performance simulation 2023 / p. 772-796 <https://doi.org/10.1080/19401493.2023.2201818> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ventilation effectiveness and incomplete mixing in air distribution design for airborne transmission**

Kiil, Martin; Mikola, Alo; Vösa, Karl-Villem; Simson, Raimo; **Kurnitski, Jarek** Building and environment 2025 / art. 112207 <https://doi.org/10.1016/j.buildenv.2024.112207>

**Ventilation effectiveness in classroom infection risk control**

Kiil, Martin; Valgma, Ingo; Vösa, 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 effectiveness measurements and CFD simulations in classrooms for infection risk control**

Mikola, Alo; Kiil, Martin; Vösa, Karl-Villem; Ejaz, Muhammad Farhan; Kilpeläinen, Simo; Kosonen, Risto; **Kurnitski, Jarek** E3S Web of Conferences : Roomvent Conference 2024 2024 / 6 p <https://invitepeople.com/public/events/fe41371a0b/pages/ed19d3ae89>

**Ventilation performance in deep renovation of multifamily apartment buildings = Terviklikult renoveeritud korterelamute ventilatsioonisüsteemide toimivus**

Mikola, Alo 2022 <https://doi.org/10.23658/taltech.38/2022> <https://digikogu.taltech.ee/et/Item/55e3f98e-1a11-498e-98c5-3068a231e2d5> [https://www.ester.ee/record=b5505006\\*est](https://www.ester.ee/record=b5505006*est)

**Ventilation positive pressure intervention effect on indoor air quality in a school building with moisture problems**

Vornanen-Winqvist, Camilla; Järvi, Kati; Toomla, Sander; Ahmed, Kaiser; **Kurnitski, Jarek** International journal of environmental research and public health 2018 / 23 p. : ill <https://doi.org/10.3390/ijerph15020230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ventilation rate and room size effects on infection risk of COVID-19**

**Kurnitski, Jarek** The REHVA European HVAC journal 2020 / p. 26-31 : ill <https://www.rehva.eu/rehva-journal/chapter/ventilation-rate-and-room-size-effects-on-infection-risk-of-covid-19>

**Ventilatsioonisüsteemid ja viiruse levik**

**Kurnitski, Jarek** EhitusEST 2020 / lk. 20-21 : ill [https://www.ester.ee/record=b4442657\\*est](https://www.ester.ee/record=b4442657*est) <https://ehitusest.ee/uudis/2020/06/18/tiit-land-kool-tuleb-viia-riigile-oluliste-otsuste-juurde/>

**Vertical temperature gradient and operative temperature with three heating systems in a low-energy building**

Maivel, Mikk; **Kurnitski, Jarek**; Lahesoo, Kaarel 7. Passivhus Norden / Sustainable Cities and Buildings : Copenhagen, 20-21 August 2015 2015 / p. 1-9 : ill

**Viiruse leviku pidurdamiseks on vaja korralikku ventilatsiooni**

Uutar, Aivar; **Kurnitski, Jarek** Õpetajate Leht 2020 / lk. 13 <https://opleht.ee/2020/09/viiruse-leviku-pidurdamiseks-on-vaja-korralikku-ventilatsiooni/> <https://dea.digar.ee/article/opetajateleht/2020/09/04/12.2>

**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](#)

**WS 16 nZEB nearly zero energy buildings - system boundaries and implementation in national codes**

**Kurnitski, Jarek** Energy efficient, smart and healthy buildings : REHVA Workshops at CLIMA 2013 : Prague, Czech Republic, 17-19 June 2013 2013 / p. 81-87 : ill

**Ärihoonete renoveerimine ei taga Eestis loodetud energiatõhusust**

**Uusen, Kaire** Ehitaja 2021 / lk. 16-17 : fot [https://www.ester.ee/record=b1072123\\*est](https://www.ester.ee/record=b1072123*est)

<https://www.ehitusuudised.ee/uudised/2021/08/02/uuring-arihoonete-renoveerimine-ei-taga-loodetud-energiatohusust>

## Ülikooli arengu lühivisioon

**Kurnitski, Jarek** Mente et Manu 2020 / lk. 30-31 : fot [https://www.ttu.ee/public/m/mente-et-manu/MM\\_02\\_2020/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_02_2020/mobile/index.html)  
[https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

## Ylipaineistuksen ja ilmanpäävyyden vaikutus rakenteiden kosteustekniseen toimintaan

Mattila, Milla; Vornanen-Winqvist, Camilla; Jerkku, Ilkka; **Kurnitski, Jarek** Sisäilmastoseminaari 2018 : Messukeskus, Helsinki, 15.3.2018 2018 / s. 345–350 : ill [http://sisailmayhdistys.fi/SISAILMASTO\\_seminaarijulkaisu2018.pdf](http://sisailmayhdistys.fi/SISAILMASTO_seminaarijulkaisu2018.pdf)

## Военные рассказали, как будут выглядеть бункеры на восточной границе Эстонии

severnojepoberezhje.postimees.ee 2024 [Военные рассказали, как будут выглядеть бункеры на восточной границе Эстонии](#)

## Государство планирует обязать компании строить большие здания сразу с убежищами

Jet, Olga rus.err.ee 2024 [Государство планирует обязать компании строить большие здания сразу с убежищами](#)

## Жители квартир часто страдают от высокого уровня углекислого газа

Piir, Rait rus.err.ee 2024 [Жители квартир часто страдают от высокого уровня углекислого газа](#)

## Консультант: государство выделяет средства на реновацию домов нестабильно

Pott, Toomas rus.err.ee 2023 [Консультант: государство выделяет средства на реновацию домов нестабильно](#)

## Половина эстоноземельцев живет в домах, отчаянно нуждающихся в реновации. Важно знать, что все работы лучше проводить за один раз!

**Kurnitski, Jarek** dekor.delfi.ee 2023 [Половина эстоноземельцев живет в домах, отчаянно нуждающихся в реновации. Важно знать, что все работы лучше проводить за один раз!](#)

## При строительстве жилых домов в Эстонии нужно учитывать потепление климата

Piir, Rait rus.err.ee 2023 [При строительстве жилых домов в Эстонии нужно учитывать потепление климата](#)

## Профессор TalTech: жить в новом доме - недешевое удовольствие

**Kurnitski, Jarek** rus.err.ee 2024 [Профессор TalTech: жить в новом доме - недешевое удовольствие](#)

## Профессор: слишком прохладный офис может стать причиной простуды и радикулита

rus.err.ee 2025 <https://rus.err.ee/1609765254/professor-slishkom-prohladnyj-ofis-mozhet-stat-prichinoj-prostudy-i-radikulita>

## Результаты реконструкции многоквартирных домов в Эстонии по схеме KredEx. Вентиляционные системы

**Kurnitski, Jarek; Mikola, Alo** abok.ru 2022 / 1 с. : ил [https://www.abok.ru/for\\_spec/articles.php?nid=8035](https://www.abok.ru/for_spec/articles.php?nid=8035)

## Старые системы вентиляции усложняют реновацию многоквартирных домов

Dotšar, Ilja rus.err.ee 2023 [Старые системы вентиляции усложняют реновацию многоквартирных домов](#)  
<https://digikogu.taltech.ee/et/Item/55e3f98e-1a11-498e-98c5-3068a231e2d5> [https://www.ester.ee/record=b5505006\\*est](https://www.ester.ee/record=b5505006*est)

## Чтобы балконы не падали: город поможет

stolitsa.ee 2024 <https://stolitsa.ee/tallinn/chtoby-balkony-ne-padali-gorod-pomozhet>

## Эксперт: при правильной реновации дома в спальнях районах простоят еще 100 лет

Sildvee, Reimo rus.err.ee 2023 [Эксперт: при правильной реновации дома в спальнях районах простоят еще 100 лет](#)

## Ярек Курнитски : остались ли вообще возможности для экономии? [Online resource]

**Kurnitski, Jarek** rus.err.ee 2022 [Ярек Курнитски : остались ли вообще возможности для экономии?](#)