

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

**Simson, Raimo; Võsa, 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/2021\\_AHU\\_air\\_leakages.pdf](https://hb2021-america.exordo.com/files/papers/309/final_draft/2021_AHU_air_leakages.pdf)

### **Air quality as an important indicator for ergonomic offices and school premises**

**Traumann, Ada; Križevskaja, Marina; Tint, Piia; Klauson, Deniss** Agronomy research 2014 / p. 925-934 : ill <https://www.cabidigitallibrary.org/doi/pdf/10.5555/20143202531> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **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](#)

### **Assessment of indoor air quality and hygrothermal conditions of boarders during autumn, winter and spring in two of Estonian straw-bale houses**

**Raamets, Jane; Ruus, Aime; Ivask, Mari** 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. 815-823 [https://doi.org/10.1007/978-3-030-00662-4\\_68](https://doi.org/10.1007/978-3-030-00662-4_68)

### **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](#)

### **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/e12facc-069c-455a-b91b-ed472db43f80> <https://doi.org/10.23658/taltech.50/2025>

### **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](#)

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

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

### **Effects of night ventilation on indoor air quality in educational buildings—a field study**

**Lestinen, Sami; Kilpeläinen, Simo; Kosonen, Risto; Valkonen, Maria; Jokisalo, Juha; Pasanen, Pertti** Applied sciences 2021 / art. 4056, 20 p. : ill <https://doi.org/10.3390/app11094056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energiaefektiivne õhupuhas hoiab toa sooja ja õhu kvaliteetse**

**Preis, Sergei** Mente et Manu 2021 / lk. 47 : fot [Mente et Manu 1/2021 https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

### **Energiakriisi tõttu langeb Poola õhukvaliteet, saaste võib jõuda Eestisse [Võrguväljaanne]**

err.ee 2022 [Energiakriisi tõttu langeb Poola õhukvaliteet, saaste võib jõuda Eestisse](#)

### **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>

### **Enhanced visible and ultraviolet light-induced gas-phase photocatalytic activity of TiO<sub>2</sub> thin films modified by increased amount of acetylacetone in precursor solution for spray pyrolysis**

**Spiridonova, Jekaterina; Mere, Arvo; Krunk, Malle; Rosenberg, Merilin; Kahru, Anne; Danilson, Mati; Križevskaja, Marina; Oja Acik, Ilona** Catalysts 2020 / 21 p. : ill <https://doi.org/10.3390/catal10091011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Environmental and occupational impact on human health of dust and chemicals from modern technologies**

**Traumann, Ada; Reinhold, Karin; Tint, Piia** Environmental engineering and management journal 2014 / p. 2233-2241 : ill <https://doi.org/10.30638/eemj.2014.249> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## European aerosol phenomenology – 8 : harmonised source apportionment of organic aerosol using 22 year-long ACSM/AMS datasets

Chen, Gang; Canonaco, Francesco; Tobler, Anna; Aas, Wenche; Alastuey, Andres; Allan, James; Atabakhsh, Samira; Aurela, Minna; Baltensperger, Urs; **Keernik, Hannes** Environment international 2022 / 18 p. : ill <https://doi.org/10.1016/j.envint.2022.107325> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## 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](#)

## Helen Sooväli-Sepping: meie linnad teevad meid haigeiks

Kontro, Kristin Eesti Päevaleht 2022 / Lk. 18-19 <https://dea.digar.ee/article/eestipaevaleht/2022/09/14/20>

## 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 energiatõhusus [Võrguteavik] : hoonete ventilatsioon. Osa 1, Sisekeskkonna lähteandmed hoonete energiatõhususe projekteerimiseks ja hindamiseks, lähtudes siseõhu kvaliteedist, soojuslikust keskkonnast, valgustusest ja akustikast. Moodul M1-6 = 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

2019 [https://www.ester.ee/record=b5272879\\*est](https://www.ester.ee/record=b5272879*est)

## 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 = 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

2019 [https://www.ester.ee/record=b5272854\\*est](https://www.ester.ee/record=b5272854*est)

## Improvement of work environment in SME-s through modelling the prevention of health risks caused by pollutants in the air

**Traumann, Ada** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

## Improvement of work environment through modelling the prevention of health risks focusing on indoor pollutants = Töökeskkonna parendamine tööruumi siseõhu saasteainete poolt põhjustatud terviseriskide hindamise kaudu

**Traumann, Ada** 2014 [https://www.ester.ee/record=b3082201\\*est](https://www.ester.ee/record=b3082201*est)

## Indoor air quality in apartment buildings of Estonia

**Mikola, Alo; Kõiv, Teet-Andrus** Recent Researches in Environment, Energy Planning and Pollution : Proceedings of the 5th WSEAS International Conference on Renewable Energy Sources (RES'11). [...(EPESE'11), ... (WWA'11)] : Iasi, Romania, July 1-3, 2011 2011 / p. 13-17 : ill

## Indoor air quality in educational institutions in Estonia

**Tint, Piia; Traumann, Ada; Tuulik, Viuu** 6th International Conference on Environmental Engineering and Management (ICEEM 06) : Green Future, 1-4 September 2011, Balatonalmádi, Hungary : abstract book 2011 / p. 71-72

## Indoor air quality in educational institutions in Estonia

**Traumann, Ada; Tint, Piia; Tuulik, Viuu** Environmental engineering and management journal 2012 / p. 207-214

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

Kaiser, Ahmed; **Kuusik, 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 problems in apartment and school buildings

**Mikola, Alo; Kõiv, Teet-Andrus** 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 / p. 1754-1764 : ill

## 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

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

## Kesklinnas sõidetakse autoga palju mugavussõite, mida saaks käia jalgsi või sõita jalgrattaga [Võrguväljaanne]

Tamula, Taavi pealinn.ee 2022 [Kesklinnas sõidetakse autoga palju mugavussõite, mida saaks käia jalgsi või sõita jalgrattaga](#)

## Liina Kersna : koolide õhukvaliteedi tagamine on odavam kui õpilünkade tasandamine [Võrguväljaanne]

Valk, Jaanika pealinn.ee 2021 ["Liina Kersna: koolide õhukvaliteedi tagamine on odavam kui õpilünkade tasandamine "](#)

## Lugeja küsib: kuidas linnaõhu lehest vabaneda?

Laanearu, Janek novaator.err.ee 2025 <https://novaator.err.ee/1609711500/lugeja-kusib-kuidas-linnaohu-lehest-vabaneda>

## Mandating indoor air quality for public buildings : If some countries lead by example, standards may increasingly become normalized

Morawska, Lidia; Allen, Joseph; Bahnfleth, William; Bennett, Belinda; Bluysen, Philomena M.; Boerstra, Atze; Buonanno, Giorgio; Cao, Junji; Dancer, Stephanie J.; Floto, Andres; Franchimon, Francesco Science 2024 / p. 1418-1420

<https://doi.org/10.1126/science.adl0677>

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

Järvi, Kati; Vorananen-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](#)

## Optimum morphology of green sidewalk on thermal comfort and air pollution

**Eslamirad, Nasim**; Mahdavenejad, Mohammadjavad; Dehghani Tafti, Samira 2020 Proceedings of the Symposium on Simulation for Architecture and Urban Design 2021 <http://www.simaud.org/2021/program.php>

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

**Ferrantelli, Andrea**; Vorananen-Winqvist, Camilla; Mattila, Milla; 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**; **Vösa, 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/>

## Proceedings of the Baltic Symposium on Indoor Air Quality and Building Physics : a satellite conference of Healthy Buildings 2000, August 6-10, 2000, Espoo, Finland : Tallinn Technical University, Estonia, 11-12 August, 2000

2000 [https://www.ester.ee/record=b1418381\\*est](https://www.ester.ee/record=b1418381*est)

## Puhta õhu märgisega kaubanduskeskustes on tagatud kõrgeimad ventilatsiooninõuded [Võrguväljaanne]

goodnews.ee 2022 [Puhta õhu märgisega kaubanduskeskustes on tagatud kõrgeimad ventilatsiooninõuded](#)

## Qualitative and quantitative determination of chemicals and dust in the air of the work environment

**Traumann, Ada**; **Tint, Piia** The 9th International Conference "Environmental Engineering" : 22-23 May 2014, Vilnius, Lithuania : selected papers 2014 / p. 1-10 : ill

## Regulatory measures to reduce the impact of old cars on air quality

Johansson, Joakim; **Pädam, Sirje-Ilona** Working papers in economics. Vol. 14 (TUTWPE No 120-124) 2005 / TUTWPE No. 121, p. 33-50 : ill

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

Pärlil, Merilin err.ee 2021 ["Renoveerimata lasteasutustes teeb muret koroonat soodustav vilets ventilatsioon"](#)

## Risk of microbial growth in ventilation ductwork located in the humid and cold conditions

Kravchenko, Iliia; Pasanen, Pertti; Lestinen, Sami; Kilpeläinen, Simo; **Kosonen, Risto** Buildings 2023 / art. 1683, 14 p. : ill <https://doi.org/10.3390/buildings13071683> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Siseruumide õhus levivate haiguste ja viiruste ristsaaste on kordades suurem kui väljas**

Ärikinnisvara ja -haldus : [ajalehe Eesti Ekspress lisa] 2022 / Lk. 22 [https://www.ester.ee/record=b5207628\\*est](https://www.ester.ee/record=b5207628*est)

### **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>

### **The imitation system for assessment of the formation of multicomponent air pollution level**

Liblik, Valdo; Kundel, Helmut; Rätsep, Aavo GIS-Baltic Sea States '93 : exhibition, conference, Tallinn, Estonia, 29 November - 1 December : proceedings 1994 / p. 131-138

### **The imitation system for assessment of the formation of multicomponent air pollution level**

Kundel, Helmut; Liblik, Valdo; Rätsep, Aavo GIS-Baltic Sea States '93 : exhibition, conference, Tallinn, Estonia, 29 November - 1 December 1993 : abstract book, catalogue 1993 / p. 40

### **The indoor climate and energy consumption of renovated schools**

**Kõiv, Teet-Andrus** Recent Advances in Energy, Environment Biology and Ecology : [proceedings of the EEESD '14, MABE '14, BIHE '14 : Tenerife, Spain, January 10-12, 2014] 2014 / p. 100-105 : ill

### **The performance of the ventilation in Estonian retrofitted apartment buildings**

**Mikola, Alo; Kõiv, Teet-Andrus; Tennokese, Kaspar** CLIMA 2016 - proceedings of the 12th REHVA World Congress. Vol. 5 2016 / [10] p. : ill [http://vbn.aau.dk/files/233760270/paper\\_641.pdf](http://vbn.aau.dk/files/233760270/paper_641.pdf)

### **Uudsed pinnakatted puhastavad õhu kahjulikest viirustest ja bakteritest [Võrguväljaanne]**

digi.geenius.ee 2021 "[Uudsed pinnakatted puhastavad õhu kahjulikest viirustest ja bakteritest](#)."

### **Variation of indoor/outdoor particulates in Tallinn, Estonia – the role of ventilation, heating systems and life-style**

Orru, Hans; **Mikola, Alo; Upan, Madis; Kõiv, Teet-Andrus** Journal of environment pollution and human health 2014 / p. 52-57 : ill

### **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/reg\\_att/efA658E7F74904eE7C/0346A5827dBb77E92710.pdf](https://www.lyyti.fi/e/?p=s&k=a0E0486b2BC6d8D0F880e96C)

### **Ventilation effectiveness measurements and CFD simulations in classrooms for infection risk control**

**Mikola, Alo; Kiil, Martin; Võsa, 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 positive pressure intervention effect on indoor air quality in a school building with moisture problems**

Vomanen-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](#)

### **Дышите, но лучше не дышите**

MK-Estonia 2022 <https://dea.digar.ee/article/mkestonija/2022/07/13/5.1>

### **Ученые бьют тревогу: из-за плохого воздуха в Таллинне умирают сотни человек в год [Online resource]**

Avdejeva, Oksana rus.delfi.ee 2022 [Ученые бьют тревогу: из-за плохого воздуха в Таллинне умирают сотни человек в год](#)