

Otto Hänninen

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

3,953
citations

101384

36
h-index

123241

61
g-index

88
all docs

88
docs citations

88
times ranked

4924
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Effect of Grandmaternal Smoking on Body Size and Proportions at Birth. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4985. | 1.2 | 1 |
| 2 | Contribution of Aerosol Sources to Health Impacts. <i>Atmosphere</i> , 2021, 12, 730. | 1.0 | 8 |
| 3 | Analysis of spatial factors, time-activity and infiltration on outdoor generated PM2.5 exposures of school children in five European cities. <i>Science of the Total Environment</i> , 2021, 785, 147111. | 3.9 | 16 |
| 4 | The role of absolute humidity in respiratory mortality in Guangzhou, a hot and wet city of South China. <i>Environmental Health and Preventive Medicine</i> , 2021, 26, 109. | 1.4 | 10 |
| 5 | Indoor gaseous air pollutants determinants in office buildings – The OFFICAIR project. <i>Indoor Air</i> , 2020, 30, 76-87. | 2.0 | 39 |
| 6 | Effects of maternal smoking on body size and proportions at birth: a register-based cohort study of 1.4 million births. <i>BMJ Open</i> , 2020, 10, e033465. | 0.8 | 20 |
| 7 | Deaths Attributable to Air Pollution in Nordic Countries: Disparities in the Estimates. <i>Atmosphere</i> , 2020, 11, 467. | 1.0 | 20 |
| 8 | Chained Risk Assessment for Life-Long Disease Burden of Early Exposures – Demonstration of Concept Using Prenatal Maternal Smoking. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1472. | 1.2 | 6 |
| 9 | Residential Wood Combustion in Finland: PM2.5 Emissions and Health Impacts with and without Abatement Measures. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2920. | 1.2 | 14 |
| 10 | Influence of spatial resolution on population PM2.5 exposure and health impacts. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 705-718. | 1.5 | 44 |
| 11 | Source specific exposure and risk assessment for indoor aerosols. <i>Science of the Total Environment</i> , 2019, 668, 13-24. | 3.9 | 49 |
| 12 | Characterization of Human Health Risks from Particulate Air Pollution in Selected European Cities. <i>Atmosphere</i> , 2019, 10, 96. | 1.0 | 53 |
| 13 | Smoking during pregnancy in Finland – Trends in the MATEX cohort. <i>Scandinavian Journal of Public Health</i> , 2019, 47, 890-898. | 1.2 | 16 |
| 14 | Higher health effects of ambient particles during the warm season: The role of infiltration factors. <i>Science of the Total Environment</i> , 2018, 627, 67-77. | 3.9 | 24 |
| 15 | Air Quality and Health. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2399. | 1.2 | 0 |
| 16 | Health Impacts of Ambient Air Pollution in Finland. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 736. | 1.2 | 38 |
| 17 | On the Development of Health-Based Ventilation Guidelines: Principles and Framework. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1360. | 1.2 | 50 |
| 18 | A review of exposure assessment methods for epidemiological studies of health effects related to industrially contaminated sites. <i>Epidemiologia E Prevenzione</i> , 2018, 42, 21-36. | 1.1 | 14 |

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|----|--|-----|-----------|
| 19 | Methods of health risk and impact assessment at industrially contaminated sites: a systematic review. <i>Epidemiologia E Prevenzione</i> , 2018, 42, 49-58. | 1.1 | 4 |
| 20 | VOCs and aldehydes source identification in European office buildings— The OFFICAIR study. <i>Building and Environment</i> , 2017, 115, 18-24. | 3.0 | 80 |
| 21 | Analysis of CO2 monitoring data demonstrates poor ventilation rates in Albanian schools during the cold season. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 773-782. | 1.5 | 29 |
| 22 | Challenges in estimating health effects of indoor exposures to outdoor particles: Considerations for regional differences. <i>Science of the Total Environment</i> , 2017, 589, 130-135. | 3.9 | 15 |
| 23 | Assessment of indoor air quality in office buildings across Europe — The OFFICAIR study. <i>Science of the Total Environment</i> , 2017, 579, 169-178. | 3.9 | 133 |
| 24 | The MATEX cohort — a Finnish population register birth cohort to study health effects of prenatal exposures. <i>BMC Public Health</i> , 2017, 17, 871. | 1.2 | 4 |
| 25 | Perceived Indoor Environment and Occupants'™ Comfort in European —Modern—Office Buildings: The OFFICAIR Study. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 444. | 1.2 | 124 |
| 26 | Costs and benefits of low-sulphur fuel standard for Baltic Sea shipping. <i>Journal of Environmental Management</i> , 2016, 184, 431-440. | 3.8 | 41 |
| 27 | Oxidative potential and chemical composition of PM2.5 in office buildings across Europe — The OFFICAIR study. <i>Environment International</i> , 2016, 92-93, 324-333. | 4.8 | 56 |
| 28 | Reducing burden of disease from residential indoor air exposures in Europe (HEALTHVENT project). <i>Environmental Health</i> , 2016, 15, 35. | 1.7 | 74 |
| 29 | Assessment of ventilation and indoor air pollutants in nursery and elementary schools in France. <i>Indoor Air</i> , 2016, 26, 350-365. | 2.0 | 100 |
| 30 | Maternal Smoking and the Risk of Cancer in Early Life — A Meta-Analysis. <i>PLoS ONE</i> , 2016, 11, e0165040. | 1.1 | 37 |
| 31 | Future Air Quality Related Health Effects in Europe and the Nordic Region—Sensitivity to Changes in Climate, Anthropogenic Emissions, Demography and Building Stock. <i>Springer Proceedings in Complexity</i> , 2016, , 119-124. | 0.2 | 0 |
| 32 | Future Premature Mortality Due to O3, Secondary Inorganic Aerosols and Primary PM in Europe — Sensitivity to Changes in Climate, Anthropogenic Emissions, Population and Building Stock. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 2837-2869. | 1.2 | 52 |
| 33 | Environmental Asthma Reduction Potential Estimates for Selected Mitigation Actions in Finland Using a Life Table Approach. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 6506-6522. | 1.2 | 1 |
| 34 | Personal day-time exposure to ultrafine particles in different microenvironments. <i>International Journal of Hygiene and Environmental Health</i> , 2015, 218, 188-195. | 2.1 | 28 |
| 35 | Indoor aerosol modeling for assessment of exposure and respiratory tract deposited dose. <i>Atmospheric Environment</i> , 2015, 106, 402-411. | 1.9 | 52 |
| 36 | Assessment of population exposure to Polycyclic Aromatic Hydrocarbons (PAHs) using integrated models and evaluation of uncertainties. <i>Atmospheric Environment</i> , 2015, 101, 235-245. | 1.9 | 21 |

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|----|---|-----|-----------|
| 37 | Health effects of fine particulate matter in life cycle impact assessment: findings from the Basel Guidance Workshop. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 276-288. | 2.2 | 65 |
| 38 | Refinement of a model for evaluating the population exposure in an urban area. <i>Geoscientific Model Development</i> , 2014, 7, 1855-1872. | 1.3 | 54 |
| 39 | Environmental Burden of Disease in Europe: Assessing Nine Risk Factors in Six Countries. <i>Environmental Health Perspectives</i> , 2014, 122, 439-446. | 2.8 | 340 |
| 40 | Novel second-degree solution to single zone mass-balance equation improves the use of build-up data in estimating ventilation rates in classrooms. <i>Journal of Chemical Health and Safety</i> , 2013, 20, 14-19. | 1.1 | 19 |
| 41 | Aerosol-based modelling of infiltration of ambient PM _{2.5} and evaluation against population-based measurements in homes in Helsinki, Finland. <i>Journal of Aerosol Science</i> , 2013, 66, 111-122. | 1.8 | 24 |
| 42 | Indoor aerosols: from personal exposure to risk assessment. <i>Indoor Air</i> , 2013, 23, 462-487. | 2.0 | 347 |
| 43 | Winter Ventilation Rates at Primary Schools: Comparison Between Portugal and Finland. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2013, 76, 400-408. | 1.1 | 47 |
| 44 | The Proportion of Residences in European Countries with Ventilation Rates below the Regulation Based Limit Value. <i>International Journal of Ventilation</i> , 2013, 12, 129-134. | 0.2 | 9 |
| 45 | Indoor-Outdoor Relationships of Particle Number and Mass in European Cities. <i>Handbook of Environmental Chemistry</i> , 2013, , 321-337. | 0.2 | 1 |
| 46 | P-217. <i>Epidemiology</i> , 2012, 23, 1. | 1.2 | 3 |
| 47 | P-232. <i>Epidemiology</i> , 2012, 23, 1. | 1.2 | 0 |
| 48 | In-vitro cell exposure studies for the assessment of nanoparticle toxicity in the lung—A dialog between aerosol science and biology. <i>Journal of Aerosol Science</i> , 2011, 42, 668-692. | 1.8 | 264 |
| 49 | Comparison of different exposure settings in a case—crossover study on air pollution and daily mortality: counterintuitive results. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2011, 21, 385-394. | 1.8 | 18 |
| 50 | Seasonal patterns of outdoor PM infiltration into indoor environments: review and meta-analysis of available studies from different climatological zones in Europe. <i>Air Quality, Atmosphere and Health</i> , 2011, 4, 221-233. | 1.5 | 56 |
| 51 | Integrated model for the estimation of annual, seasonal, and episode PM ₁₀ exposures of children in Rome, Italy. <i>Air Quality, Atmosphere and Health</i> , 2011, 4, 169-178. | 1.5 | 6 |
| 52 | Focus on exposure to air pollution and related health impacts. <i>Air Quality, Atmosphere and Health</i> , 2011, 4, 159-160. | 1.5 | 5 |
| 53 | Environmental Burden of Disease in European Countries—The EBoDE Project. <i>Epidemiology</i> , 2011, 22, S151. | 1.2 | 0 |
| 54 | Inter-comparison of predicted population exposure distributions during four selected episodes in Helsinki and evaluation against measured data. <i>International Journal of Environment and Pollution</i> , 2010, 40, 248. | 0.2 | 0 |

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|----|---|-----|-----------|
| 55 | Occupational and consumer risk estimates for nanoparticles emitted by laser printers. <i>Journal of Nanoparticle Research</i> , 2010, 12, 91-99. | 0.8 | 28 |
| 56 | Integrated Ambient and Microenvironment Model for Estimation of PM10 Exposures of Children in Annual and Episode Settings. <i>Environmental Modeling and Assessment</i> , 2009, 14, 419-429. | 1.2 | 10 |
| 57 | Population exposure to fine particles and estimated excess mortality in Finland from an East European wildfire episode. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2009, 19, 414-422. | 1.8 | 67 |
| 58 | Estimation of health risks and safety margins due to inhalation of ultrafine particles and nanoparticles in selected occupational, consumer and environmental settings. <i>Journal of Physics: Conference Series</i> , 2009, 170, 012031. | 0.3 | 2 |
| 59 | Comparison of Different Exposure Definition in a Case-Crossover Study on Air Pollution and Daily Mortality: Counterintuitive Results. <i>Epidemiology</i> , 2009, 20, S140. | 1.2 | 0 |
| 60 | Challenges in estimating the health effects of biomass smoke – Response to Sverre Vedal and Steven J. Dutton: Wildfire air pollution and daily mortality in a large urban area. <i>Environmental Research</i> , 2008, 106, 423-424. | 3.7 | 6 |
| 61 | Letter to the Editor. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2008, 71, 1051-1051. | 1.1 | 0 |
| 62 | Integrated systems for forecasting urban meteorology, air pollution and population exposure. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 855-874. | 1.9 | 126 |
| 63 | Parameter and model uncertainty in a life-table model for fine particles (PM2.5): a statistical modeling study. <i>Environmental Health</i> , 2007, 6, 24. | 1.7 | 10 |
| 64 | Intake fraction distributions for indoor VOC sources in five European cities. <i>Indoor Air</i> , 2007, 17, 372-383. | 2.0 | 22 |
| 65 | Source apportionment of population representative samples of PM2.5 in three European cities using structural equation modelling. <i>Science of the Total Environment</i> , 2007, 384, 77-92. | 3.9 | 21 |
| 66 | Reduction potential of urban PM2.5 mortality risk using modern ventilation systems in buildings. <i>Indoor Air</i> , 2005, 15, 246-256. | 2.0 | 70 |
| 67 | Health Effects Caused by Primary Fine Particulate Matter (PM2.5) Emitted from Buses in the Helsinki Metropolitan Area, Finland. <i>Risk Analysis</i> , 2005, 25, 151-160. | 1.5 | 36 |
| 68 | Characterization of Model Error in a Simulation of Fine Particulate Matter Exposure Distributions of the Working Age Population in Helsinki, Finland. <i>Journal of the Air and Waste Management Association</i> , 2005, 55, 446-457. | 0.9 | 10 |
| 69 | Simulation of working population exposures to carbon monoxide using EXPOLIS-Milan microenvironment concentration and time-activity data. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2004, 14, 154-163. | 1.8 | 18 |
| 70 | Personal carbon monoxide exposure levels: contribution of local sources to exposures and microenvironment concentrations in Milan. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2004, 14, 312-322. | 1.8 | 39 |
| 71 | Personal exposures and microenvironment concentrations of PM2.5, VOC, NO2 and CO in Oxford, UK. <i>Atmospheric Environment</i> , 2004, 38, 6399-6410. | 1.9 | 166 |
| 72 | Infiltration of ambient PM2.5 and levels of indoor generated non-ETS PM2.5 in residences of four European cities. <i>Atmospheric Environment</i> , 2004, 38, 6411-6423. | 1.9 | 167 |

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|----|---|-----|-----------|
| 73 | The EXPOLIS study: implications for exposure research and environmental policy in Europe. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2004, 14, 440-456. | 1.8 | 62 |
| 74 | Description and demonstration of the EXPOLIS simulation model: Two examples of modeling population exposure to particulate matter. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2003, 13, 87-99. | 1.8 | 52 |
| 75 | EXPOLIS simulation model: PM2.5 application and comparison with measurements in Helsinki. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2003, 13, 74-85. | 1.8 | 40 |
| 76 | Comparison of Black Smoke and PM2.5 Levels in Indoor and Outdoor Environments of Four European Cities. <i>Environmental Science & Technology</i> , 2002, 36, 1191-1197. | 4.6 | 113 |
| 77 | Quantitative Analysis of Environmental Factors in Differential Weighing of Blank Teflon Filters. <i>Journal of the Air and Waste Management Association</i> , 2002, 52, 134-139. | 0.9 | 21 |
| 78 | Fine PM measurements: personal and indoor air monitoring. <i>Chemosphere</i> , 2002, 49, 993-1007. | 4.2 | 29 |
| 79 | Personal carbon monoxide exposure in five European cities and its determinants. <i>Atmospheric Environment</i> , 2002, 36, 963-974. | 1.9 | 40 |
| 80 | Evaluation of VOC measurements in the EXPOLIS study. <i>Journal of Environmental Monitoring</i> , 2001, 3, 159-165. | 2.1 | 40 |
| 81 | Behavioral and environmental determinants of personal exposures to PM2.5 in EXPOLIS "Helsinki, Finland. <i>Atmospheric Environment</i> , 2001, 35, 2473-2481. | 1.9 | 83 |
| 82 | Sociodemographic descriptors of personal exposure to fine particles (PM2.5) in EXPOLIS Helsinki. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2000, 10, 385-393. | 1.8 | 48 |
| 83 | Fine Particle (PM ₂₅) Measurement Methodology, Quality Assurance Procedures, and Pilot Results of the EXPOLIS Study. <i>Journal of the Air and Waste Management Association</i> , 1999, 49, 1212-1220. | 0.9 | 86 |
| 84 | A method for facilitating the use of algae growing on tree trunks as bioindicators of air quality. <i>Environmental Monitoring and Assessment</i> , 1993, 28, 215-220. | 1.3 | 5 |