

# Hans Orru

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

2,087  
citations

304701

22  
h-index

254170

43  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2372  
citing authors

#	ARTICLE	IF	CITATIONS
1	How are cities planning to respond to climate change? Assessment of local climate plans from 885 cities in the EU-28. <i>Journal of Cleaner Production</i> , 2018, 191, 207-219.	9.3	361
2	Global, regional, and national burden of mortality associated with non-optimal ambient temperatures from 2000 to 2019: a three-stage modelling study. <i>Lancet Planetary Health</i> , The, 2021, 5, e415-e425.	11.4	284
3	Short term association between ozone and mortality: global two stage time series study in 406 locations in 20 countries. <i>BMJ</i> , The, 2020, 368, m108.	6.0	109
4	Mortality risk attributable to wildfire-related PM <sub>2.5</sub> pollution: a global time series study in 749 locations. <i>Lancet Planetary Health</i> , The, 2021, 5, e579-e587.	11.4	109
5	Short term associations of ambient nitrogen dioxide with daily total, cardiovascular, and respiratory mortality: multilocation analysis in 398 cities. <i>BMJ</i> , The, 2021, 372, n534.	6.0	99
6	Impact of climate change on ozone-related mortality and morbidity in Europe. <i>European Respiratory Journal</i> , 2013, 41, 285-294.	6.7	86
7	The Role of Humidity in Associations of High Temperature with Mortality: A Multicountry, Multicity Study. <i>Environmental Health Perspectives</i> , 2019, 127, 97007.	6.0	84
8	Well-being and environmental quality: Does pollution affect life satisfaction?. <i>Quality of Life Research</i> , 2016, 25, 699-705.	3.1	80
9	Evaluation of the ERA5 reanalysis-based Universal Thermal Climate Index on mortality data in Europe. <i>Environmental Research</i> , 2021, 198, 111227.	7.5	63
10	Projections of excess mortality related to diurnal temperature range under climate change scenarios: a multi-country modelling study. <i>Lancet Planetary Health</i> , The, 2020, 4, e512-e521.	11.4	56
11	Health impacts of particulate matter in five major Estonian towns: main sources of exposure and local differences. <i>Air Quality, Atmosphere and Health</i> , 2011, 4, 247-258.	3.3	55
12	From inequitable to sustainable e-waste processing for reduction of impact on human health and the environment. <i>Environmental Research</i> , 2021, 194, 110728.	7.5	55
13	The role of perceived air pollution and health risk perception in health symptoms and disease: a population-based study combined with modelled levels of PM <sub>10</sub> . <i>International Archives of Occupational and Environmental Health</i> , 2018, 91, 581-589.	2.3	53
14	Heat-related respiratory hospital admissions in Europe in a changing climate: a health impact assessment. <i>BMJ Open</i> , 2013, 3, e001842.	1.9	45
15	Comparison of weather station and climate reanalysis data for modelling temperature-related mortality. <i>Scientific Reports</i> , 2022, 12, 5178.	3.3	42
16	Health impact assessment of particulate pollution in Tallinn using fine spatial resolution and modeling techniques. <i>Environmental Health</i> , 2009, 8, 7.	4.0	34
17	Predicted temperature-increase-induced global health burden and its regional variability. <i>Environment International</i> , 2019, 131, 105027.	10.0	34
18	Sources and distribution of trace elements in Estonian peat. <i>Global and Planetary Change</i> , 2006, 53, 249-258.	3.5	32

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19	Dampness, mould, onset and remission of adult respiratory symptoms, asthma and rhinitis. <i>European Respiratory Journal</i> , 2019, 53, 1801921.	6.7	30
20	Residents' Self-Reported Health Effects and Annoyance in Relation to Air Pollution Exposure in an Industrial Area in Eastern-Estonia. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 252.	2.6	29
21	Ozone and heat-related mortality in Europe in 2050 significantly affected by changes in climate, population and greenhouse gas emission. <i>Environmental Research Letters</i> , 2019, 14, 074013.	5.2	28
22	Geographical Variations of the Minimum Mortality Temperature at a Global Scale. <i>Environmental Epidemiology</i> , 2021, 5, e169.	3.0	28
23	Coarse Particulate Air Pollution and Daily Mortality: A Global Study in 205 Cities. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 999-1007.	5.6	28
24	Global, regional, and national burden of mortality associated with short-term temperature variability from 2000-19: a three-stage modelling study. <i>Lancet Planetary Health</i> , The, 2022, 6, e410-e421.	11.4	27
25	Increases in external cause mortality due to high and low temperatures: evidence from northeastern Europe. <i>International Journal of Biometeorology</i> , 2017, 61, 963-966.	3.0	23
26	Potential health impacts of changes in air pollution exposure associated with moving traffic into a road tunnel. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015, 25, 524-531.	3.9	20
27	High Summer Temperatures and Mortality in Estonia. <i>PLoS ONE</i> , 2016, 11, e0155045.	2.5	20
28	Elemental composition and oxidative properties of PM <sub>2.5</sub> in Estonia in relation to origin of air masses - results from the ECRHS II in Tartu. <i>Science of the Total Environment</i> , 2010, 408, 1515-1522.	8.0	16
29	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
30	Chronic Traffic-Induced PM Exposure and Self-Reported Respiratory and Cardiovascular Health in the RHINE Tartu Cohort. <i>International Journal of Environmental Research and Public Health</i> , 2009, 6, 2740-2751.	2.6	11
31	Metallic Fumes at Indoor Military Shooting Ranges: Lead, Copper, Nickel, and Zinc in Different Fractions of Airborne Particulate Matter. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 228-233.	1.6	10
32	Association Between Health Symptoms and Particulate Matter from Traffic and Residential Heating - Results from RHINE III in Tartu. <i>Open Respiratory Medicine Journal</i> , 2016, 10, 58-69.	0.4	10
33	Making Administrative Systems Adaptive to Emerging Climate Change-Related Health Effects: Case of Estonia. <i>Atmosphere</i> , 2018, 9, 221.	2.3	9
34	Mortality Related to Cold Temperatures in Two Capitals of the Baltics: Tallinn and Riga. <i>Medicina (Lithuania)</i> , 2019, 55, 429.	2.0	9
35	The burden of injury in Central, Eastern, and Western European sub-region: a systematic analysis from the Global Burden of Disease 2019 Study. <i>Archives of Public Health</i> , 2022, 80, 142.	2.4	9
36	Health impact assessment in case of biofuel peat - Co-use of environmental scenarios and exposure-response functions. <i>Biomass and Bioenergy</i> , 2009, 33, 1080-1086.	5.7	8

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37	Re-vegetation processes in cutaway peat production fields in Estonia in relation to peat quality and water regime. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 655.	2.7	7
38	Cancer Incidence Trends in the Oil Shale Industrial Region in Estonia. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3833.	2.6	7
39	Outdoor air pollution from industrial chemicals causing new onset of asthma or COPD: a systematic review protocol. <i>Journal of Occupational Medicine and Toxicology</i> , 2020, 15, 38.	2.2	7
40	Health impact assessment of transportation noise in two Estonian cities. <i>Environmental Research</i> , 2022, 204, 112319.	7.5	7
41	Fluctuating temperature modifies heat-mortality association around the globe. <i>Innovation(China)</i> , 2022, 3, 100225.	9.1	7
42	The effect of current and future maternal exposure to near-surface ozone on preterm birth in 30 European countries—an EU-wide health impact assessment. <i>Environmental Research Letters</i> , 2021, 16, 055005.	5.2	6
43	Seasonal Variations in the Daily Mortality Associated with Exposure to Particles, Nitrogen Dioxide, and Ozone in Stockholm, Sweden, from 2000 to 2016. <i>Atmosphere</i> , 2021, 12, 1481.	2.3	6
44	Broader impacts of the fare-free public transportation system in Tallinn. <i>International Journal of Urban Sustainable Development</i> , 2019, 11, 332-345.	2.0	5
45	Possible health effects on the human brain by various generations of mobile telecommunication: a review based estimation of 5G impact. <i>International Journal of Radiation Biology</i> , 2022, 98, 1210-1221.	1.8	4
46	Cardiovascular Disease and Mental Distress Among Ethnic Groups in Kyrgyzstan. <i>Frontiers in Public Health</i> , 2021, 9, 489092.	2.7	3
47	Indoor and Outdoor Nanoparticle Concentrations in an Urban Background Area in Northern Sweden: The NanoOffice Study. <i>Environments - MDPI</i> , 2021, 8, 75.	3.3	3
48	Daily Mortality in Different Age Groups Associated with Exposure to Particles, Nitrogen Dioxide and Ozone in Two Northern European Capitals: Stockholm and Tallinn. <i>Environments - MDPI</i> , 2022, 9, 83.	3.3	3
49	Particulate Air Pollution and Its Impact on Health in Vilnius and Kaunas. <i>Medicina (Lithuania)</i> , 2012, 48, 70.	2.0	2
50	Ventilation Systems and Their Impact on Nanoparticle Concentrations in Office Buildings. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8930.	2.5	2
51	Particulate air pollution and mortality in Tallinn: A time-series analysis in North-Eastern European country. <i>ISEE Conference Abstracts</i> , 2013, 2013, 4177.	0.0	2
52	Human Biomonitoring in the Oil Shale Industry Area in Estonia—Overview of Earlier Programmes and Future Perspectives. <i>Frontiers in Public Health</i> , 2020, 8, 582114.	2.7	1
53	Change in the symptom profile treated as asthma — two cross-sectional studies twenty years apart. <i>Respiratory Research</i> , 2020, 21, 41.	3.6	1
54	Exposures, Symptoms and Risk Perception among Office Workers in Relation to Nanoparticles in the Work Environment. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 5789.	2.6	1

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55	Hearing Problems Among the Members of the Defence Forces in Relation to Personal and Occupational Risk Factors. <i>Military Medicine</i> , 2020, 185, e2115-e2123.	0.8	0
56	Hearing loss among military personnel in relation to occupational and leisure noise exposure and usage of personal protective equipment. <i>Noise and Health</i> , 2020, 22, 90-98.	0.5	0
57	Particulate air pollution and its impact on health in Vilnius and Kaunas. <i>Medicina (Lithuania)</i> , 2012, 48, 472-7.	2.0	0