Hans Orru

List of Publications by Year in Descending Order

55 papers	912 citations	16 h-index	29 g-index
58 ext. papers	1,384 ext. citations	5.4 avg, IF	4.01 L-index

#	Paper	IF	Citations
55	Possible health effects on the human brain by various generations of mobile telecommunication: a review based estimation of 5G impact.. *International Journal of Radiation Biology*, **2022**, 1-48	2.9	1
54	Health impact assessment of transportation noise in two Estonian cities. *Environmental Research*, **2022**, 204, 112319	7.9	0
53	Comparison of weather station and climate reanalysis data for modelling temperature-related mortality.. *Scientific Reports*, **2022**, 12, 5178	4.9	0
52	Fluctuating temperature modifies heat-mortality association around the globe.. *Innovation(China)*, **2022**, 3, 100225	17.8	1
51	Global, regional, and national burden of mortality associated with short-term temperature variability from 2000-19: a three-stage modelling study.. *Lancet Planetary Health, The*, **2022**, 6, e410-e421	9.8	1
50	Exposures, Symptoms and Risk Perception among Office Workers in Relation to Nanoparticles in the Work Environment. *International Journal of Environmental Research and Public Health*, **2022**, 19, 5789	4.6	
49	The burden of injury in Central, Eastern, and Western European sub-region: a systematic analysis from the Global Burden of Disease 2019 Study.. *Archives of Public Health*, **2022**, 80, 142	2.6	0
48	Seasonal Variations in the Daily Mortality Associated with Exposure to Particles, Nitrogen Dioxide, and Ozone in Stockholm, Sweden, from 2000 to 2016. *Atmosphere*, **2021**, 12, 1481	2.7	2
47	From inequitable to sustainable e-waste processing for reduction of impact on human health and the environment. *Environmental Research*, **2021**, 194, 110728	7.9	18
46	Short term associations of ambient nitrogen dioxide with daily total, cardiovascular, and respiratory mortality: multilocation analysis in 398 cities. *BMJ, The*, **2021**, 372, n534	5.9	33
45	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. *Environmental Research Letters*, **2021**, 16, 055005	6.2	1
44	Cardiovascular Disease and Mental Distress Among Ethnic Groups in Kyrgyzstan. *Frontiers in Public Health*, **2021**, 9, 489092	6	
43	Evaluation of the ERA5 reanalysis-based Universal Thermal Climate Index on mortality data in Europe. *Environmental Research*, **2021**, 198, 111227	7.9	14
42	Global, regional, and national burden of mortality associated with non-optimal ambient temperatures from 2000 to 2019: a three-stage modelling study. *Lancet Planetary Health, The*, **2021**, 5, e415-e425	9.8	48
41	Indoor and Outdoor Nanoparticle Concentrations in an Urban Background Area in Northern Sweden: The NanoOffice Study. *Environments - MDPI*, **2021**, 8, 75	3.2	3
40	Geographical Variations of the Minimum Mortality Temperature at a Global Scale: A Multicountry Study.. *Environmental Epidemiology*, **2021**, 5, e169	0.2	3
39	Ventilation Systems and Their Impact on Nanoparticle Concentrations in Office Buildings. *Applied Sciences (Switzerland)*, **2021**, 11, 8930	2.6	2

38	Mortality risk attributable to wildfire-related PM pollution: a global time series study in 749 locations. *Lancet Planetary Health, The*, **2021**, 5, e579-e587	9.8	7
37	Projections of excess mortality related to diurnal temperature range under climate change scenarios: a multi-country modelling study. *Lancet Planetary Health, The*, **2020**, 4, e512-e521	9.8	13
36	Short term association between ozone and mortality: global two stage time series study in 406 locations in 20 countries. *BMJ, The*, **2020**, 368, m108	5.9	57
35	Cancer Incidence Trends in the Oil Shale Industrial Region in Estonia. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	5
34	Change in the symptom profile treated as asthma - two cross-sectional studies twenty years apart. *Respiratory Research*, **2020**, 21, 41	7.3	1
33	Outdoor air pollution from industrial chemicals causing new onset of asthma or COPD: a systematic review protocol. *Journal of Occupational Medicine and Toxicology*, **2020**, 15, 38	2.7	2
32	Hearing loss among military personnel in relation to occupational and leisure noise exposure and usage of personal protective equipment. *Noise and Health*, **2020**, 22, 90-98	0.9	
31	Human Biomonitoring in the Oil Shale Industry Area in Estonia-Overview of Earlier Programmes and Future Perspectives. *Frontiers in Public Health*, **2020**, 8, 582114	6	
30	Hearing Problems Among the Members of the Defence Forces in Relation to Personal and Occupational Risk Factors. *Military Medicine*, **2020**, 185, e2115-e2123	1.3	
29	Mortality Related to Cold Temperatures in Two Capitals of the Baltics: Tallinn and Riga. *Medicina (Lithuania)*, **2019**, 55,	3.1	5
28	The Role of Humidity in Associations of High Temperature with Mortality: A Multicountry, Multicity Study. *Environmental Health Perspectives*, **2019**, 127, 97007	8.4	36
27	Ozone and heat-related mortality in Europe in 2050 significantly affected by changes in climate, population and greenhouse gas emission. *Environmental Research Letters*, **2019**, 14, 074013	6.2	11
26	Broader impacts of the fare-free public transportation system in Tallinn. *International Journal of Urban Sustainable Development*, **2019**, 11, 332-345	2.6	3
25	Dampness, mould, onset and remission of adult respiratory symptoms, asthma and rhinitis. *European Respiratory Journal*, **2019**, 53,	13.6	15
24	Predicted temperature-increase-induced global health burden and its regional variability. *Environment International*, **2019**, 131, 105027	12.9	16
23	Metallic Fumes at Indoor Military Shooting Ranges: Lead, Copper, Nickel, and Zinc in Different Fractions of Airborne Particulate Matter. *Propellants, Explosives, Pyrotechnics*, **2018**, 43, 228-233	1.7	5
22	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. *International Archives of Occupational and Environmental Health*, **2018**, 91, 581-589	3.2	25
21	How are cities planning to respond to climate change? Assessment of local climate plans from 885 cities in the EU-28. *Journal of Cleaner Production*, **2018**, 191, 207-219	10.3	209

20	Making Administrative Systems Adaptive to Emerging Climate Change-Related Health Effects: Case of Estonia. *Atmosphere*, **2018**, 9, 221	2.7	6
19	ResidentsVSelf-Reported Health Effects and Annoyance in Relation to Air Pollution Exposure in an Industrial Area in Eastern-Estonia. *International Journal of Environmental Research and Public Health* , **2018**, 15,	4.6	15
18	A review of exposure assessment methods for epidemiological studies of health effects related to industrially contaminated sites. *Epidemiologia E Prevenzione*, **2018**, 42, 21-36	1.1	10
17	Increases in external cause mortality due to high and low temperatures: evidence from northeastern Europe. *International Journal of Biometeorology*, **2017**, 61, 963-966	3.7	17
16	Re-vegetation processes in cutaway peat production fields in Estonia in relation to peat quality and water regime. *Environmental Monitoring and Assessment*, **2016**, 188, 655	3.1	7
15	Well-being and environmental quality: Does pollution affect life satisfaction?. *Quality of Life Research*, **2016**, 25, 699-705	3.7	51
14	Association Between Health Symptoms and Particulate Matter from Traffic and Residential Heating - Results from RHINE III in Tartu. *Open Respiratory Medicine Journal*, **2016**, 10, 58-69	1.1	6
13	High Summer Temperatures and Mortality in Estonia. *PLoS ONE*, **2016**, 11, e0155045	3.7	14
12	Potential health impacts of changes in air pollution exposure associated with moving traffic into a road tunnel. *Journal of Exposure Science and Environmental Epidemiology*, **2015**, 25, 524-31	6.7	17
11	Heat-related respiratory hospital admissions in Europe in a changing climate: a health impact assessment. *BMJ Open*, **2013**, 3,	3	35
10	Impact of climate change on ozone-related mortality and morbidity in Europe. *European Respiratory Journal*, **2013**, 41, 285-94	13.6	69
9	Particulate air pollution and mortality in Tallinn: A time-series analysis in North-Eastern European country. *ISEE Conference Abstracts*, **2013**, 2013, 4177	2.9	2
8	Particulate Air Pollution and Its Impact on Health in Vilnius and Kaunas. *Medicina (Lithuania)*, **2012**, 48, 70	3.1	
7	Particulate air pollution and its impact on health in Vilnius and Kaunas. *Medicina (Lithuania)*, **2012**, 48, 472-7	3.1	
6	Health impacts of particulate matter in five major Estonian towns: main sources of exposure and local differences. *Air Quality, Atmosphere and Health*, **2011**, 4, 247-258	5.6	43
5	Elemental composition and oxidative properties of PM(2.5) in Estonia in relation to origin of air masses - results from the ECRHS II in Tartu. *Science of the Total Environment*, **2010**, 408, 1515-22	10.2	15
4	Chronic traffic-induced PM exposure and self-reported respiratory and cardiovascular health in the RHINE Tartu Cohort. *International Journal of Environmental Research and Public Health*, **2009**, 6, 2740-51	4.6	8
3	Health impact assessment of particulate pollution in Tallinn using fine spatial resolution and modeling techniques. *Environmental Health*, **2009**, 8, 7	6	28

2	Health impact assessment in case of biofuel peat Co-use of environmental scenarios and exposure-response functions. *Biomass and Bioenergy*, **2009**, 33, 1080-1086	5.3	7
1	Sources and distribution of trace elements in Estonian peat. *Global and Planetary Change*, **2006**, 53, 249-258	4.8	23