

Ole Hertel

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

5,785
citations

81900

39
h-index

82547

72
g-index

106
all docs

106
docs citations

106
times ranked

6991
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term exposure to ambient air pollution and bladder cancer incidence in a pooled European cohort: the ELAPSE project. <i>British Journal of Cancer</i> , 2022, 126, 1499-1507.	6.4	12
2	Long-term low-level ambient air pollution exposure and risk of lung cancer – A pooled analysis of 7 European cohorts. <i>Environment International</i> , 2021, 146, 106249.	10.0	79
3	Comparison of Road Traffic Noise prediction models: CNOSSOS-EU, Nord2000 and TRANEX. <i>Environmental Pollution</i> , 2021, 270, 116240.	7.5	19
4	Urban Health and Wellbeing. <i>Urban Book Series</i> , 2021, , 259-280.	0.6	2
5	Long-term exposure to fine particle elemental components and lung cancer incidence in the ELAPSE pooled cohort. <i>Environmental Research</i> , 2021, 193, 110568.	7.5	32
6	Long-Term Exposure to Fine Particle Elemental Components and Natural and Cause-Specific Mortality – a Pooled Analysis of Eight European Cohorts within the ELAPSE Project. <i>Environmental Health Perspectives</i> , 2021, 129, 47009.	6.0	53
7	A Review of Photocatalytic Materials for Urban NO _x Remediation. <i>Catalysts</i> , 2021, 11, 675.	3.5	27
8	Long-term exposure to ambient air pollution and road traffic noise and asthma incidence in adults: The Danish Nurse cohort. <i>Environment International</i> , 2021, 152, 106464.	10.0	24
9	Long-Term Exposure to Air Pollution, Road Traffic Noise, and Heart Failure Incidence: The Danish Nurse Cohort. <i>Journal of the American Heart Association</i> , 2021, 10, e021436.	3.7	11
10	Urban Air Quality: Sources and Concentrations. , 2021, , 193-214.		9
11	Modeling urban background air pollution in Quito, Ecuador. <i>Atmospheric Pollution Research</i> , 2020, 11, 646-666.	3.8	10
12	Airborne Cladosporium and Alternaria spore concentrations through 26 years in Copenhagen, Denmark. <i>Aerobiologia</i> , 2020, 36, 141-157.	1.7	22
13	Development of Europe-Wide Models for Particle Elemental Composition Using Supervised Linear Regression and Random Forest. <i>Environmental Science & Technology</i> , 2020, 54, 15698-15709.	10.0	43
14	Monitoring Excess Exposure to Air Pollution for Professional Drivers in London Using Low-Cost Sensors. <i>Atmosphere</i> , 2020, 11, 749.	2.3	12
15	Long-term exposure to low levels of air pollution and mortality adjusting for road traffic noise: A Danish Nurse Cohort study. <i>Environment International</i> , 2020, 143, 105983.	10.0	22
16	Associations of Preconception Exposure to Air Pollution and Greenness with Offspring Asthma and Hay Fever. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5828.	2.6	24
17	Long-Term Exposure to Air Pollution and Incidence of Myocardial Infarction: A Danish Nurse Cohort Study. <i>Environmental Health Perspectives</i> , 2020, 128, 57003.	6.0	43
18	The spatial relationship between traffic-related air pollution and noise in two Danish cities: Implications for health-related studies. <i>Science of the Total Environment</i> , 2020, 726, 138577.	8.0	22

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19	DNMARK: Danish Nitrogen Mitigation Assessment: Research and Know-how for a Sustainable, Low-Nitrogen Food Production. , 2020, , 363-376.		1
20	Micro-scale modelling of the urban wind speed for air pollution applications. Scientific Reports, 2019, 9, 14279.	3.3	7
21	Long-Term Exposure to Road Traffic Noise and Incidence of Diabetes in the Danish Nurse Cohort. Environmental Health Perspectives, 2019, 127, 57006.	6.0	31
22	Road traffic noise and markers of adiposity in the Danish Nurse Cohort: A cross-sectional study. Environmental Research, 2019, 172, 502-510.	7.5	18
23	Evaluation of the Urban Background Model (UBM) and AERMOD for Mumbai City. Environmental Modeling and Assessment, 2019, 24, 75-86.	2.2	4
24	Urban Air Quality: Sources and Concentrations. , 2019, , 1-23.		1
25	Ambient benzene at the residence and risk for subtypes of childhood leukemia, lymphoma and <scp>CNS</scp> tumor. International Journal of Cancer, 2018, 143, 1367-1373.	5.1	38
26	Nitrogen Deposition on Danish Nature. Atmosphere, 2018, 9, 447.	2.3	25
27	Spatial PM2.5, NO2, O3 and BC models for Western Europe – Evaluation of spatiotemporal stability. Environment International, 2018, 120, 81-92.	10.0	193
28	Effects of Leisure–Time and Transport–Related Physical Activities on the Risk of Incident and Recurrent Myocardial Infarction and Interaction With Traffic–Related Air Pollution: A Cohort Study. Journal of the American Heart Association, 2018, 7, .	3.7	40
29	Evaluation of the Danish AirGIS air pollution modeling system against measured concentrations of PM2.5, PM10, and black carbon. Environmental Epidemiology, 2018, 2, e014.	3.0	54
30	High resolution multi-scale air quality modelling for all streets in Denmark. Transportation Research, Part D: Transport and Environment, 2017, 52, 322-339.	6.8	63
31	Long-term exposure to fine particulate matter and incidence of diabetes in the Danish Nurse Cohort. Environment International, 2016, 91, 243-250.	10.0	106
32	Vehicular pollution modeling using the operational street pollution model (OSPM) for Chembur, Mumbai (India). Environmental Monitoring and Assessment, 2016, 188, 349.	2.7	9
33	Physical Activity, Air Pollution, and the Risk of Asthma and Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 855-865.	5.6	94
34	A parameter estimation and identifiability analysis methodology applied to a street canyon air pollution model. Environmental Modelling and Software, 2016, 84, 165-176.	4.5	11
35	Assessment of impact of unaccounted emission on ambient concentration using DEHM and AERMOD in combination with WRF. Atmospheric Environment, 2016, 142, 406-413.	4.1	13
36	Long-term exposure to ambient air pollution and incidence of brain tumours: The Danish Nurse Cohort. NeuroToxicology, 2016, 55, 122-130.	3.0	38

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37	Residential Radon Exposure and Skin Cancer Incidence in a Prospective Danish Cohort. PLoS ONE, 2015, 10, e0135642.	2.5	27
38	Micronucleus frequency in Danish schoolchildren and their mothers from the DEMOCOPHES population. Mutagenesis, 2015, 31, gev054.	2.6	11
39	A Study of the Combined Effects of Physical Activity and Air Pollution on Mortality in Elderly Urban Residents: The Danish Diet, Cancer, and Health Cohort. Environmental Health Perspectives, 2015, 123, 557-563.	6.0	146
40	Long-term exposure to air pollution and mammographic density in the Danish Diet, Cancer and Health cohort. Environmental Health, 2015, 14, 31.	4.0	28
41	Distance to High-Voltage Power Lines and Risk of Childhood Leukemia – an Analysis of Confounding by and Interaction with Other Potential Risk Factors. PLoS ONE, 2014, 9, e107096.	2.5	17
42	Policies for agricultural nitrogen management – trends, challenges and prospects for improved efficiency in Denmark. Environmental Research Letters, 2014, 9, 115002.	5.2	184
43	Do urban canyons influence street level grass pollen concentrations?. International Journal of Biometeorology, 2014, 58, 1317-1325.	3.0	35
44	Relative efficiencies of the Burkard 7-Day, Rotorod and Burkard Personal samplers for Poaceae and Urticaceae pollen under field conditions. Annals of Agricultural and Environmental Medicine, 2014, 21, 745-752.	1.0	19
45	Assessing atmospheric nitrogen deposition to natural and semi-natural ecosystems – Experience from Danish studies using the DAMOS. Atmospheric Environment, 2013, 66, 151-160.	4.1	29
46	Personal exposure to grass pollen: relating inhaled dose to background concentration. Annals of Allergy, Asthma and Immunology, 2013, 111, 548-554.	1.0	21
47	Ammonia Emissions in Europe. Handbook of Environmental Chemistry, 2013, , 141-163.	0.4	3
48	Towards a climate-dependent paradigm of ammonia emission and deposition. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130166.	4.0	328
49	Utilizing Monitoring Data and Spatial Analysis Tools for Exposure Assessment of Atmospheric Pollutants in Denmark. ACS Symposium Series, 2013, , 95-122.	0.5	7
50	Residential Radon and Brain Tumour Incidence in a Danish Cohort. PLoS ONE, 2013, 8, e74435.	2.5	36
51	Residential radon and lung cancer incidence in a Danish cohort. Environmental Research, 2012, 118, 130-136.	7.5	29
52	Correcting a fundamental error in greenhouse gas accounting related to bioenergy. Energy Policy, 2012, 45, 18-23.	8.8	182
53	Predictors of indoor fine particulate matter in infants' bedrooms in Denmark. Environmental Research, 2011, 111, 87-93.	7.5	19
54	Atmospheric transport and deposition of reactive nitrogen in Europe. , 2011, , 298-316.		21

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55	Nitrogen processes in the atmosphere. , 2011, , 177-208.		35
56	Operational Street Pollution Model (OSPM) - a review of performed application and validation studies, and future prospects. Environmental Chemistry, 2010, 7, 485.	1.5	85
57	Is there any interaction between domestic radon exposure and air pollution from traffic in relation to childhood leukemia risk?. Cancer Causes and Control, 2010, 21, 1961-1964.	1.8	21
58	Ammonia Deposition Near Hot Spots: Processes, Models and Monitoring Methods. , 2009, , 205-267.		38
59	Modelling of the Atmospheric Transport and Deposition of Ammonia at a National and Regional Scale. , 2009, , 301-358.		14
60	Copenhagen â€“ a significant source of birch (Betula) pollen?. International Journal of Biometeorology, 2008, 52, 453-62.	3.0	61
61	An inventory of tree species in Europeâ€”An essential data input for air pollution modelling. Ecological Modelling, 2008, 217, 292-304.	2.5	71
62	A proper choice of route significantly reduces air pollution exposure â€” A study on bicycle and bus trips in urban streets. Science of the Total Environment, 2008, 389, 58-70.	8.0	114
63	Footprints on Ammonia Concentrations from Environmental Regulations. Journal of the Air and Waste Management Association, 2008, 58, 1158-1165.	1.9	17
64	Assessing the Impacts of Traffic Air Pollution on Human Exposure and Health. , 2008, , 277-299.		10
65	Integrated air-quality monitoring - combined use of measurements and models in monitoring programmes. Environmental Chemistry, 2007, 4, 65.	1.5	44
66	Exposure modelingâ€”Using operational air pollution models. Toxicology Letters, 2006, 164, S15.	0.8	3
67	Economic and environmental analysis of buffer zones as an instrument to reduce ammonia loads to nature areas. Land Use Policy, 2006, 23, 533-541.	5.6	14
68	Spatial Differentiation in the Characterisation of Photochemical Ozone Formation: The EDIP2003 Methodology. International Journal of Life Cycle Assessment, 2006, 11, 72-80.	4.7	59
69	ERCC1, XPD and RAI mRNA levels in lymphocytes are not associated with lung cancer risk in a prospective study of Danes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2006, 593, 88-96.	1.0	28
70	Modelling Nitrogen Deposition on a Local Scaleâ€”A Review of the Current State of the Art. Environmental Chemistry, 2006, 3, 317.	1.5	79
71	Personal exposure to PM2.5, black smoke and NO2 in Copenhagen: relationship to bedroom and outdoor concentrations covering seasonal variation. Journal of Exposure Science and Environmental Epidemiology, 2005, 15, 413-422.	3.9	74
72	Personal Exposure to Ultrafine Particles and Oxidative DNA Damage. Environmental Health Perspectives, 2005, 113, 1485-1490.	6.0	233

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73	Transition Metals in Personal Samples of PM2.5 and Oxidative Stress in Human Volunteers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2005, 14, 1340-1343.	2.5	131
74	A dynamical ammonia emission parameterization for use in air pollution models. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	86
75	New Directions: Air pollution from traffic and schizophrenia risk. <i>Atmospheric Environment</i> , 2004, 38, 3733-3734.	4.1	4
76	Implementing a dynamical ammonia emission parameterization in the large-scale air pollution model ACDEP. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	42
77	Air pollution from traffic and schizophrenia risk. <i>Schizophrenia Research</i> , 2004, 66, 83-85.	2.0	94
78	Fluxes of ammonia in the coastal marine boundary layer. <i>Atmospheric Environment</i> , 2003, 37, 167-177.	4.1	37
79	Urban benzene exposure and oxidative DNA damage: influence of genetic polymorphisms in metabolism genes. <i>Science of the Total Environment</i> , 2003, 309, 69-80.	8.0	76
80	Linking exposure to environmental pollutants with biological effects. <i>Mutation Research - Reviews in Mutation Research</i> , 2003, 544, 255-271.	5.5	191
81	Atmospheric nitrogen inputs into the North Sea: effect on productivity. <i>Continental Shelf Research</i> , 2003, 23, 1743-1755.	1.8	48
82	Urban air pollution. <i>Physics and Chemistry of the Earth</i> , 2003, 28, 305.	2.9	0
83	Personal PM2.5 exposure and markers of oxidative stress in blood.. <i>Environmental Health Perspectives</i> , 2003, 111, 161-166.	6.0	247
84	Personal exposure to PM2.5 and biomarkers of DNA damage. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2003, 12, 191-6.	2.5	58
85	Personal PM2.5 Exposure and Markers of Oxidative Stress in Blood. <i>Environmental Health Perspectives</i> , 2002, 111, 161-165.	6.0	175
86	Atmospheric input of nitrogen into the North Sea: ANICE project overview. <i>Continental Shelf Research</i> , 2001, 21, 2073-2094.	1.8	41
87	Human exposure to traffic pollution. Experience from Danish studies. <i>Pure and Applied Chemistry</i> , 2001, 73, 137-145.	1.9	45
88	A Danish decision-support GIS tool for management of urban air quality and human exposures. <i>Transportation Research, Part D: Transport and Environment</i> , 2001, 6, 229-241.	6.8	128
89	Air Pollution from Traffic at the Residence of Children with Cancer. <i>American Journal of Epidemiology</i> , 2001, 153, 433-443.	3.4	163
90	Human exposure to outdoor air pollution (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2001, 73, 933-958.	1.9	62

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91	An air pollution model for use in epidemiological studies: evaluation with measured levels of nitrogen dioxide and benzene. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2000, 10, 4-14.	3.9	75
92	Modeling Traffic-Related Air Pollution in Street Canyons of Beijing. <i>Journal of the Air and Waste Management Association</i> , 2000, 50, 2060-2066.	1.9	15
93	Deposition of Nitrogen Compounds to the Danish Coastal Waters. , 2000, , 119-123.		0
94	Actual car fleet emissions estimated from urban air quality measurements and street pollution models. <i>Science of the Total Environment</i> , 1999, 235, 101-109.	8.0	102
95	Impact on local air quality of the planned fixed link across Åresund. <i>Science of the Total Environment</i> , 1996, 189-190, 21-26.	8.0	2
96	Exposure of Danish children to traffic exhaust fumes. <i>Science of the Total Environment</i> , 1996, 189-190, 51-55.	8.0	10
97	Using measurements of air pollution in streets for evaluation of urban air quality " meteorological analysis and model calculations. <i>Science of the Total Environment</i> , 1996, 189-190, 259-265.	8.0	118
98	Effects of reduction of NOx on the NO2 levels in urban streets. <i>Science of the Total Environment</i> , 1996, 189-190, 409-415.	8.0	70
99	Comparison of air quality in streets of Copenhagen and Milan, in view of the climatological conditions. <i>Science of the Total Environment</i> , 1996, 189-190, 467-473.	8.0	28
100	Development and testing of a new variable scale air pollution model"ACDEP. <i>Atmospheric Environment</i> , 1995, 29, 1267-1290.	4.1	123
101	Atmospheric nitrogen input to the Kattegat. <i>Ophelia</i> , 1995, 42, 5-28.	0.3	35
102	Test of two numerical schemes for use in atmospheric transport-chemistry models. <i>Atmospheric Environment Part A General Topics</i> , 1993, 27, 2591-2611.	1.3	210
103	Chapter 1. Urban Air Pollution Climates throughout the World. <i>Issues in Environmental Science and Technology</i> , 0, , 1-22.	0.4	12