

Jürgen Brandt

List of Publications by Year in descending order

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Version: 2024-02-01

196
papers

7,842
citations

41258

49
h-index

76769

74
g-index

205
all docs

205
docs citations

205
times ranked

6659
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of long-term ozone simulations from seven regional air quality models and their ensemble. <i>Atmospheric Environment</i> , 2007, 41, 2083-2097.	1.9	258
2	An integrated model study for Europe and North America using the Danish Eulerian Hemispheric Model with focus on intercontinental transport of air pollution. <i>Atmospheric Environment</i> , 2012, 53, 156-176.	1.9	234
3	Operational model evaluation for particulate matter in Europe and North America in the context of AQMEII. <i>Atmospheric Environment</i> , 2012, 53, 75-92.	1.9	214
4	Model evaluation and ensemble modelling of surface-level ozone in Europe and North America in the context of AQMEII. <i>Atmospheric Environment</i> , 2012, 53, 60-74.	1.9	192
5	CityDelta: A model intercomparison study to explore the impact of emission reductions in European cities in 2010. <i>Atmospheric Environment</i> , 2007, 41, 189-207.	1.9	189
6	Tropospheric Ozone Assessment Report: Assessment of global-scale model performance for global and regional ozone distributions, variability, and trends. <i>Elementa</i> , 2018, 6, .	1.1	177
7	Long-term residential exposure to PM2.5, PM10, black carbon, NO2, and ozone and mortality in a Danish cohort. <i>Environment International</i> , 2019, 123, 265-272.	4.8	175
8	Comparing atmospheric transport models for future regional inversions over Europe – Part 1: mapping the atmospheric CO ₂ signals. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 3461-3479.	1.9	148
9	TransCom model simulations of hourly atmospheric CO ₂ : Experimental overview and diurnal cycle results for 2002. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	142
10	The long-range transport of birch (<i>Betula</i>) pollen from Poland and Germany causes significant pre-season concentrations in Denmark. <i>Clinical and Experimental Allergy</i> , 2007, 37, 1204-1212.	1.4	139
11	Long-term exposure to low ambient air pollution concentrations and mortality among 28 million people: results from seven large European cohorts within the ELAPSE project. <i>Lancet Planetary Health</i> , The, 2022, 6, e9-e18.	5.1	130
12	Long-term exposure to low-level ambient air pollution and incidence of stroke and coronary heart disease: a pooled analysis of six European cohorts within the ELAPSE project. <i>Lancet Planetary Health</i> , The, 2021, 5, e620-e632.	5.1	123
13	TransCom model simulations of hourly atmospheric CO ₂ : Analysis of synoptic-scale variations for the period 2002–2003. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	119
14	Development of a High-Resolution Nested Air Pollution Model. <i>Journal of Computational Physics</i> , 2002, 179, 68-94.	1.9	118
15	Contribution from the ten major emission sectors in Europe and Denmark to the health-cost externalities of air pollution using the EVA model system – an integrated modelling approach. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7725-7746.	1.9	116
16	Modelling transport and deposition of caesium and iodine from the Chernobyl accident using the DREAM model. <i>Atmospheric Chemistry and Physics</i> , 2002, 2, 397-417.	1.9	113
17	Long-range transport of Ambrosia pollen to Poland. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1402-1411.	1.9	108
18	Environmental pollution is associated with increased risk of psychiatric disorders in the US and Denmark. <i>PLoS Biology</i> , 2019, 17, e3000353.	2.6	108

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19	Long-term exposure to fine particulate matter and incidence of diabetes in the Danish Nurse Cohort. <i>Environment International</i> , 2016, 91, 243-250.	4.8	106
20	Air pollution forecasting from regional to urban street scale – implementation and validation for two cities in Denmark. <i>Physics and Chemistry of the Earth</i> , 2003, 28, 335-344.	1.2	99
21	Modelling of Mercury in the Arctic with the Danish Eulerian Hemispheric Model. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 2251-2257.	1.9	96
22	Examining Ambrosia pollen episodes at Poznań, (Poland) using back-trajectory analysis. <i>International Journal of Biometeorology</i> , 2007, 51, 275-286.	1.3	94
23	Long term exposure to low level air pollution and mortality in eight European cohorts within the ELAPSE project: pooled analysis. <i>BMJ, The</i> , 2021, 374, n1904.	3.0	93
24	Development and performance evaluation of new AirGIS – A GIS based air pollution and human exposure modelling system. <i>Atmospheric Environment</i> , 2019, 198, 102-121.	1.9	90
25	Organosulfates and organic acids in Arctic aerosols: speciation, annual variation and concentration levels. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 7807-7823.	1.9	89
26	Skill and uncertainty of a regional air quality model ensemble. <i>Atmospheric Environment</i> , 2009, 43, 4822-4832.	1.9	87
27	Assessment of past, present and future health-cost externalities of air pollution in Europe and the contribution from international ship traffic using the EVA model system. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7747-7764.	1.9	81
28	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.	4.8	79
29	Impacts of climate change on air pollution levels in the Northern Hemisphere with special focus on Europe and the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 3337-3367.	1.9	76
30	The Pannonian plain as a source of Ambrosia pollen in the Balkans. <i>International Journal of Biometeorology</i> , 2009, 53, 263-272.	1.3	75
31	An inventory of tree species in Europe – An essential data input for air pollution modelling. <i>Ecological Modelling</i> , 2008, 217, 292-304.	1.2	71
32	Evaluation and error apportionment of an ensemble of atmospheric chemistry transport modeling systems: multivariable temporal and spatial breakdown. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3001-3054.	1.9	69
33	Modelling atmospheric transport of $\hat{\pm}$ -hexachlorocyclohexane in the Northern Hemisphere with a 3-D dynamical model: DEHM-POP. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 1125-1137.	1.9	68
34	Assessment and economic valuation of air pollution impacts on human health over Europe and the United States as calculated by a multi-model ensemble in the framework of AQMEII3. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5967-5989.	1.9	68
35	Improved modelling of atmospheric ammonia over Denmark using the coupled modelling system DAMOS. <i>Biogeosciences</i> , 2012, 9, 2625-2647.	1.3	66
36	Survey of Ambient Air Pollution Health Risk Assessment Tools. <i>Risk Analysis</i> , 2016, 36, 1718-1736.	1.5	66

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37	Air quality mapping using GIS and economic evaluation of health impact for Mumbai City, India. Journal of the Air and Waste Management Association, 2016, 66, 470-481.	0.9	66
38	The relative importance of impacts from climate change vs. emissions change on air pollution levels in the 21st century. Atmospheric Chemistry and Physics, 2013, 13, 3569-3585.	1.9	65
39	Are the birch trees in Southern England a source of Betula pollen for North London?. International Journal of Biometeorology, 2009, 53, 75-86.	1.3	64
40	Understanding the anthropogenic influence on formation of biogenic secondary organic aerosols in Denmark via analysis of organosulfates and related oxidation products. Atmospheric Chemistry and Physics, 2014, 14, 8961-8981.	1.9	63
41	High resolution multi-scale air quality modelling for all streets in Denmark. Transportation Research, Part D: Transport and Environment, 2017, 52, 322-339.	3.2	63
42	Studying cumulative ozone exposures in Europe during a 7-year period. Journal of Geophysical Research, 1997, 102, 23917-23935.	3.3	62
43	Copenhagen â€“ a significant source of birch (Betula) pollen?. International Journal of Biometeorology, 2008, 52, 453-62.	1.3	61
44	Long-term residential exposure to PM2.5 constituents and mortality in a Danish cohort. Environment International, 2019, 133, 105268.	4.8	57
45	Long-term Exposure to Fine Particulate Matter and Breast Cancer Incidence in the Danish Nurse Cohort Study. Cancer Epidemiology Biomarkers and Prevention, 2017, 26, 428-430.	1.1	56
46	Exposure to air pollution during childhood and risk of developing schizophrenia: a national cohort study. Lancet Planetary Health, The, 2020, 4, e64-e73.	5.1	56
47	Evaluation of the Danish AirGIS air pollution modeling system against measured concentrations of PM2.5, PM10, and black carbon. Environmental Epidemiology, 2018, 2, e014.	1.4	54
48	Long-term exposure to air pollution and stroke incidence: A Danish Nurse cohort study. Environment International, 2020, 142, 105891.	4.8	54
49	Long-Term Exposure to Fine Particle Elemental Components and Natural and Cause-Specific Mortalityâ€”a Pooled Analysis of Eight European Cohorts within the ELAPSE Project. Environmental Health Perspectives, 2021, 129, 47009.	2.8	53
50	Title is missing!. Journal of Atmospheric Chemistry, 2002, 42, 91-121.	1.4	52
51	Future Premature Mortality Due to O3, Secondary Inorganic Aerosols and Primary PM in Europe â€” Sensitivity to Changes in Climate, Anthropogenic Emissions, Population and Building Stock. International Journal of Environmental Research and Public Health, 2015, 12, 2837-2869.	1.2	52
52	Air pollution and family related determinants of asthma onset and persistent wheezing in children: nationwide case-control study. BMJ, The, 2020, 370, m2791.	3.0	51
53	Long-term exposure to low-level air pollution and incidence of chronic obstructive pulmonary disease: The ELAPSE project. Environment International, 2021, 146, 106267.	4.8	50
54	Evaluating the capability of regional-scale air quality models to capture the vertical distribution of pollutants. Geoscientific Model Development, 2013, 6, 791-818.	1.3	49

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55	Is the ozone climate penalty robust in Europe?. Environmental Research Letters, 2015, 10, 084015.	2.2	48
56	Modeled deposition of nitrogen and sulfur in Europe estimated by 14 air quality model systems: evaluation, effects of changes in emissions and implications for habitat protection. Atmospheric Chemistry and Physics, 2018, 18, 10199-10218.	1.9	47
57	Integrated air-quality monitoring - combined use of measurements and models in monitoring programmes. Environmental Chemistry, 2007, 4, 65.	0.7	44
58	The Association between Residential Green Space in Childhood and Development of Attention Deficit Hyperactivity Disorder: A Population-Based Cohort Study. Environmental Health Perspectives, 2020, 128, 127011.	2.8	44
59	Long-Term Exposure to Air Pollution and Incidence of Myocardial Infarction: A Danish Nurse Cohort Study. Environmental Health Perspectives, 2020, 128, 57003.	2.8	43
60	Operational air pollution forecasts from regional scale to urban street scale. Part 2: performance evaluation. Physics and Chemistry of the Earth, 2001, 26, 825-830.	0.3	42
61	Operational air pollution forecasts from regional scale to urban street scale. Part 1: system description. Physics and Chemistry of the Earth, 2001, 26, 781-786.	0.3	41
62	The influence of residential wood combustion on the concentrations of PM _{2.5} in four Nordic cities. Atmospheric Chemistry and Physics, 2020, 20, 4333-4365.	1.9	40
63	Long-term exposure to low-level air pollution and incidence of asthma: the ELAPSE project. European Respiratory Journal, 2021, 57, 2003099.	3.1	40
64	Operational mapping of atmospheric nitrogen deposition to the Baltic Sea. Atmospheric Chemistry and Physics, 2003, 3, 2083-2099.	1.9	39
65	Natural surroundings in childhood are associated with lower schizophrenia rates. Schizophrenia Research, 2020, 216, 488-495.	1.1	39
66	Long-Term Exposure to Transportation Noise and Risk for Type 2 Diabetes in a Nationwide Cohort Study from Denmark. Environmental Health Perspectives, 2021, 129, 127003.	2.8	39
67	Testing the importance of accurate meteorological input fields and parameterizations in atmospheric transport modelling using dream - validation against ETEX-1. Atmospheric Environment, 1998, 32, 4167-4186.	1.9	38
68	Long-term exposure to ambient air pollution and incidence of brain tumours: The Danish Nurse Cohort. NeuroToxicology, 2016, 55, 122-130.	1.4	38
69	Exposure to air pollution in early childhood and the association with Attention-Deficit Hyperactivity Disorder. Environmental Research, 2020, 183, 108930.	3.7	38
70	Associations between growing up in natural environments and subsequent psychiatric disorders in Denmark. Environmental Research, 2020, 188, 109788.	3.7	38
71	Quantifying the contributions of natural emissions to ozone and total fine PM concentrations in the Northern Hemisphere. Atmospheric Chemistry and Physics, 2014, 14, 2735-2756.	1.9	36
72	Long-term exposure to low-level air pollution and incidence of asthma: the ELAPSE project. European Respiratory Journal, 2021, 57, 2003099.	3.1	36

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73	Long-term exposure to air pollution and liver cancer incidence in six European cohorts. <i>International Journal of Cancer</i> , 2021, 149, 1887-1897.	2.3	35
74	Long-term exposure to air pollution and mortality in the Danish population a nationwide study. <i>EClinicalMedicine</i> , 2020, 28, 100605.	3.2	34
75	A lower bound for the number of irreducible characters in a block. <i>Journal of Algebra</i> , 1982, 74, 509-515.	0.4	33
76	Spatial emission modelling for residential wood combustion in Denmark. <i>Atmospheric Environment</i> , 2016, 144, 389-396.	1.9	32
77	Influence of anthropogenic emissions and boundary conditions on multi-model simulations of major air pollutants over Europe and North America in the framework of AQMEII3. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8929-8952.	1.9	32
78	Long-term exposure to fine particle elemental components and lung cancer incidence in the ELAPSE pooled cohort. <i>Environmental Research</i> , 2021, 193, 110568.	3.7	32
79	Development of a high resolution integrated nested model for studying air pollution in Denmark. <i>Physics and Chemistry of the Earth</i> , 2001, 26, 769-774.	0.3	31
80	European CO2 fluxes from atmospheric inversions using regional and global transport models. <i>Climatic Change</i> , 2010, 103, 93-115.	1.7	31
81	Emissions and source allocation of carbonaceous air pollutants from wood stoves in developed countries: A review. <i>Atmospheric Pollution Research</i> , 2020, 11, 234-251.	1.8	31
82	MEAD: An interdisciplinary study of the marine effects of atmospheric deposition in the Kattegat. <i>Environmental Pollution</i> , 2006, 140, 453-462.	3.7	30
83	Is regional air quality model diversity representative of uncertainty for ozone simulation?. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	30
84	Evaluation of two isoprene emission models for use in a long-range air pollution model. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7399-7412.	1.9	30
85	Projected change in atmospheric nitrogen deposition to the Baltic Sea towards 2020. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 2615-2629.	1.9	30
86	Long-term residential road traffic noise and mortality in a Danish cohort. <i>Environmental Research</i> , 2020, 187, 109633.	3.7	30
87	Association of Childhood Exposure to Nitrogen Dioxide and Polygenic Risk Score for Schizophrenia With the Risk of Developing Schizophrenia. <i>JAMA Network Open</i> , 2019, 2, e1914401.	2.8	29
88	Modelling ultrafine particle number concentrations at address resolution in Denmark from 1979 to 2018 - Part 2: Local and street scale modelling and evaluation. <i>Atmospheric Environment</i> , 2021, 264, 118633.	1.9	29
89	Modelling ultrafine particle number concentrations at address resolution in Denmark from 1979-2018 - Part 1: Regional and urban scale modelling and evaluation. <i>Atmospheric Environment</i> , 2021, 264, 118631.	1.9	29
90	Exposure to transportation noise and risk for cardiovascular disease in a nationwide cohort study from Denmark. <i>Environmental Research</i> , 2022, 211, 113106.	3.7	29

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91	Investigating the sources of synoptic variability in atmospheric CO ₂ measurements over the Northern Hemisphere continents: a regional model study. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2004, 56, 35-50.	0.8	28
92	The Chemical Weather. <i>Environmental Chemistry</i> , 2005, 2, 6.	0.7	28
93	Telomere length in newborns is associated with exposure to low levels of air pollution during pregnancy. <i>Environment International</i> , 2021, 146, 106202.	4.8	28
94	Probing ETEX-II data set with inverse modelling. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 3963-3971.	1.9	27
95	Short-term nighttime wind turbine noise and cardiovascular events: A nationwide case-crossover study from Denmark. <i>Environment International</i> , 2018, 114, 160-166.	4.8	27
96	Nitrogen Deposition on Danish Nature. <i>Atmosphere</i> , 2018, 9, 447.	1.0	25
97	Assimilation of OMI NO ₂ retrievals into the limited-area chemistry-transport model DEHM (V2009.0) with a 3-D OI algorithm. <i>Geoscientific Model Development</i> , 2013, 6, 1-16.	1.3	24
98	Impact of Long-Term Exposure to Wind Turbine Noise on Redemption of Sleep Medication and Antidepressants: A Nationwide Cohort Study. <i>Environmental Health Perspectives</i> , 2019, 127, 37005.	2.8	24
99	Contributions of Nordic anthropogenic emissions on air pollution and premature mortality over the Nordic region and the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12975-12992.	1.9	24
100	Transportation noise and risk of stroke: a nationwide prospective cohort study covering Denmark. <i>International Journal of Epidemiology</i> , 2021, 50, 1147-1156.	0.9	24
101	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.	4.8	24
102	The Role of the Snowpack on the Fate of $\hat{\pm}$ -HCH in an Atmospheric Chemistry-Transport Model. <i>Environmental Science & Technology</i> , 2008, 42, 2943-2948.	4.6	23
103	Modelling the impact of climate change on the atmospheric transport and the fate of persistent organic pollutants in the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6549-6559.	1.9	23
104	Long-term exposure to wind turbine noise at night and risk for diabetes: A nationwide cohort study. <i>Environmental Research</i> , 2018, 165, 40-45.	3.7	23
105	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.	4.8	22
106	Deaths Attributable to Air Pollution in Nordic Countries: Disparities in the Estimates. <i>Atmosphere</i> , 2020, 11, 467.	1.0	20
107	Using a combination of two models in tracer simulations. <i>Mathematical and Computer Modelling</i> , 1996, 23, 99-115.	2.0	19
108	Components of particulate matter air-pollution and brain tumors. <i>Environment International</i> , 2020, 144, 106046.	4.8	19

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109	Modeling multi-level survival data in multi-center epidemiological cohort studies: Applications from the ELAPSE project. <i>Environment International</i> , 2021, 147, 106371.	4.8	19
110	Development and testing of numerical methods for two-way nested air pollution modelling. <i>Physics and Chemistry of the Earth</i> , 2002, 27, 1487-1494.	1.2	18
111	Public perception of rural environmental quality: Moving towards a multi-pollutant approach. <i>Atmospheric Environment</i> , 2017, 170, 234-244.	1.9	18
112	Air pollution exposure at the residence and risk of childhood cancers in Denmark: A nationwide register-based case-control study. <i>EClinicalMedicine</i> , 2020, 28, 100569.	3.2	18
113	Outdoor light at night and breast cancer incidence in the Danish Nurse Cohort. <i>Environmental Research</i> , 2021, 194, 110631.	3.7	18
114	Early childhood exposure to ambient air pollution is associated with increased risk of paediatric asthma: An administrative cohort study from Stockholm, Sweden. <i>Environment International</i> , 2021, 155, 106667.	4.8	18
115	Spatial distribution of residential wood combustion emissions in the Nordic countries: How well national inventories represent local emissions?. <i>Atmospheric Environment</i> , 2021, 264, 118712.	1.9	18
116	Numerical modelling of transport, dispersion, and deposition " validation against ETEX-1, ETEX-2 and Chernobyl. <i>Environmental Modelling and Software</i> , 2000, 15, 521-531.	1.9	17
117	Analysis of the impact of inhomogeneous emissions in the Operational Street Pollution Model (OSPM). <i>Geoscientific Model Development</i> , 2015, 8, 3231-3245.	1.3	17
118	Long-Term Exposure to Wind Turbine Noise and Risk for Myocardial Infarction and Stroke: A Nationwide Cohort Study. <i>Environmental Health Perspectives</i> , 2019, 127, 37004.	2.8	17
119	Road and railway noise and risk for breast cancer: A nationwide study covering Denmark. <i>Environmental Research</i> , 2021, 195, 110739.	3.7	17
120	Projections of shipping emissions and the related impact on air pollution and human health in the Nordic region. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12495-12519.	1.9	17
121	The effect of adjustment to register-based and questionnaire-based covariates on the association between air pollution and cardiometabolic disease. <i>Environmental Research</i> , 2022, 203, 111886.	3.7	17
122	Health costs and economic impact of wind assisted ship propulsion. <i>Ocean Engineering</i> , 2017, 146, 477-485.	1.9	16
123	Pregnancy exposure to wind turbine noise and adverse birth outcomes: a nationwide cohort study. <i>Environmental Research</i> , 2018, 167, 770-775.	3.7	16
124	Air pollution and fecundability: Results from a Danish preconception cohort study. <i>Paediatric and Perinatal Epidemiology</i> , 2022, 36, 57-67.	0.8	16
125	Modeling short-term variability of $\text{C}_{10}\text{H}_{16}\text{Cl}_2$ hexachlorocyclohexane in Northern Hemispheric air. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	15
126	Long-term exposure to wind turbine noise and redemption of antihypertensive medication: A nationwide cohort study. <i>Environment International</i> , 2018, 121, 207-215.	4.8	15

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127	Long-term air pollution and road traffic noise exposure and COPD: the Danish Nurse Cohort. <i>European Respiratory Journal</i> , 2021, 58, 2004594.	3.1	14
128	Long-term exposure to transportation noise and risk for atrial fibrillation: A Danish nationwide cohort study. <i>Environmental Research</i> , 2022, 207, 112167.	3.7	14
129	Long-term exposure to road traffic noise and stroke incidence: a Danish Nurse Cohort study. <i>Environmental Health</i> , 2021, 20, 115.	1.7	14
130	Long-term exposure to road traffic noise and all-cause and cause-specific mortality: a Danish Nurse Cohort study. <i>Science of the Total Environment</i> , 2022, 820, 153057.	3.9	14
131	Assessment of impact of unaccounted emission on ambient concentration using DEHM and AERMOD in combination with WRF. <i>Atmospheric Environment</i> , 2016, 142, 406-413.	1.9	13
132	Long-Term Exposure to Road Traffic Noise and Air Pollution, and Incident Atrial Fibrillation in the Danish Nurse Cohort. <i>Environmental Health Perspectives</i> , 2021, 129, 87002.	2.8	13
133	Long-Term Residential Exposure to Particulate Matter and Its Components, Nitrogen Dioxide and Ozone—A Northern Sweden Cohort Study on Mortality. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8476.	1.2	13
134	Exposure to source-specific air pollution and risk for type 2 diabetes: a nationwide study covering Denmark. <i>International Journal of Epidemiology</i> , 2022, 51, 1219-1229.	0.9	13
135	Cycles of partitions. <i>Proceedings of the American Mathematical Society</i> , 1982, 85, 483-483.	0.4	12
136	Relationship of leukaemias with long-term ambient air pollution exposures in the adult Danish population. <i>British Journal of Cancer</i> , 2020, 123, 1818-1824.	2.9	12
137	Intracranial tumors of the central nervous system and air pollution – a nationwide case-control study from Denmark. <i>Environmental Health</i> , 2020, 19, 81.	1.7	12
138	Present and future aerosol impacts on Arctic climate change in the GISS-E2.1 Earth system model. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10413-10438.	1.9	12
139	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.	2.9	12
140	Operational air pollution forecast modelling using the THOR system. <i>Physics and Chemistry of the Earth</i> , 2001, 26, 117-122.	0.3	11
141	Simulating spatiotemporal variations of atmospheric CO2 using a nested hemispheric model. <i>Physics and Chemistry of the Earth</i> , 2002, 27, 1495-1505.	1.2	11
142	Implementation and testing of a simple data assimilation algorithm in the regional air pollution forecast model, DEOM. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5475-5488.	1.9	11
143	A parameter estimation and identifiability analysis methodology applied to a street canyon air pollution model. <i>Environmental Modelling and Software</i> , 2016, 84, 165-176.	1.9	11
144	Isolating the climate change impacts on air-pollution-related-pathologies over central and southern Europe – a modelling approach on cases and costs. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 9385-9398.	1.9	11

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145	Exposure to PM2.5 constituents and risk of adult leukemia in Denmark: A population-based caseâ€“control study. <i>Environmental Research</i> , 2021, 196, 110418.	3.7	11
146	Longâ€“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.	1.6	11
147	Long-Term Exposure to Source-Specific Fine Particles and Mortalityâ”“A Pooled Analysis of 14 European Cohorts within the ELAPSE Project. <i>Environmental Science & Technology</i> , 2022, 56, 9277-9290.	4.6	11
148	The Danish Rimpuff and Eulerian accidental release model (the DREAM). <i>Physics and Chemistry of the Earth</i> , 1996, 21, 441-444.	0.3	10
149	Ammonia, ammonium, and the risk of asthma: A register-based caseâ€“control study in Danish children. <i>Environmental Epidemiology</i> , 2018, 2, e019.	1.4	10
150	Two-scale multi-model ensemble: is a hybrid ensemble of opportunity telling us more?. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8727-8744.	1.9	10
151	<sc>Longâ€“term</sc> exposure to air pollution and risk of n<sc>onâ€“Hodgkin</sc> lymphoma in Denmark: A populationâ€“based caseâ€“control study. <i>International Journal of Cancer</i> , 2020, 147, 1874-1880.	2.3	10
152	Long-term exposure to PM2.5 and its constituents and risk of Non-Hodgkin lymphoma in Denmark: A population-based caseâ€“control study. <i>Environmental Research</i> , 2020, 188, 109762.	3.7	10
153	Road Traffic Noise Exposure and Filled Prescriptions for Antihypertensive Medication: A Danish Cohort Study. <i>Environmental Health Perspectives</i> , 2020, 128, 57004.	2.8	10
154	Long-Term Calculations with a Comprehensive Nested Hemispheric Air Pollution Transport Model. , 2005, , 185-196.		9
155	Exposure to surrounding greenness and natural-cause and cause-specific mortality in the ELAPSE pooled cohort. <i>Environment International</i> , 2022, 166, 107341.	4.8	9
156	Health impacts of PM2.5 originating from residential wood combustion in four nordic cities. <i>BMC Public Health</i> , 2022, 22, .	1.2	9
157	Real time predictions of transport, dispersion and deposition from nuclear accidents. <i>Management of Environmental Quality</i> , 1999, 10, 216-223.	0.4	8
158	Semi-Lagrangian methods in air pollution models. <i>Geoscientific Model Development</i> , 2011, 4, 511-541.	1.3	8
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