

# Camilla Geels

## List of Publications by Year in descending order

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95  
papers

4,192  
citations

101543

36  
h-index

133252

59  
g-index

120  
all docs

120  
docs citations

120  
times ranked

4768  
citing authors

#	ARTICLE	IF	CITATIONS
1	Air pollution at the residence of Danish adults, by socio-demographic characteristics, morbidity, and address level characteristics. <i>Environmental Research</i> , 2022, 208, 112714.	7.5	7
2	Long-term residential exposure to air pollution and risk of testicular cancer in Denmark: A population-based case-control study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2022, , cebp.0961.2021.	2.5	0
3	Reducing future air-pollution-related premature mortality over Europe by mitigating emissions from the energy sector: assessing an 80% renewable energies scenario. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3945-3965.	4.9	5
4	Advances in air quality research – current and emerging challenges. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4615-4703.	4.9	63
5	4DVar Inversion of European NH <sub>3</sub> Emissions Using CrIS NH <sub>3</sub> Measurements and GEOS-Chem Adjoint With Bi-Directional and Uni-Directional Flux Schemes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	7
6	Analysis of mortality metrics associated with a comprehensive range of disorders in Denmark, 2000 to 2018: A population-based cohort study. <i>PLoS Medicine</i> , 2022, 19, e1004023.	8.4	8
7	Health impacts of PM <sub>2.5</sub> originating from residential wood combustion in four nordic cities. <i>BMC Public Health</i> , 2022, 22, .	2.9	9
8	Exposure to PM <sub>2.5</sub> constituents and risk of adult leukemia in Denmark: A population-based case-control study. <i>Environmental Research</i> , 2021, 196, 110418.	7.5	11
9	Long-term air pollution and road traffic noise exposure and COPD: the Danish Nurse Cohort. <i>European Respiratory Journal</i> , 2021, 58, 2004594.	6.7	14
10	Long-term residential exposure to air pollution and Hodgkin lymphoma risk among adults in Denmark: a population-based case-control study. <i>Cancer Causes and Control</i> , 2021, 32, 935-942.	1.8	5
11	Estimating lockdown-induced European NO <sub>2</sub> changes using satellite and surface observations and air quality models. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 7373-7394.	4.9	55
12	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
13	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.	6.0	13
14	Transportation noise and risk for colorectal cancer: a nationwide study covering Denmark. <i>Cancer Causes and Control</i> , 2021, 32, 1447-1455.	1.8	4
15	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.	4.9	17
16	Contribution of fine particulate matter to present and future premature mortality over Europe: A non-linear response. <i>Environment International</i> , 2021, 153, 106517.	10.0	27
17	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.	2.6	13
18	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.	10.0	18

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19	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.	4.1	18
20	Exposure to ambient air pollution during childhood and subsequent risk of self-harm: A national cohort study. <i>Preventive Medicine</i> , 2021, 152, 106502.	3.4	6
21	A life course approach to understanding associations between natural environments and mental well-being for the Danish blood donor cohort. <i>Health and Place</i> , 2021, 72, 102678.	3.3	5
22	Long-term exposure to road traffic noise and stroke incidence: a Danish Nurse Cohort study. <i>Environmental Health</i> , 2021, 20, 115.	4.0	14
23	Long-Term Exposure to Transportation Noise and Risk for Type 2 Diabetes in a Nationwide Cohort Study from Denmark. <i>Environmental Health Perspectives</i> , 2021, 129, 127003.	6.0	39
24	Natural surroundings in childhood are associated with lower schizophrenia rates. <i>Schizophrenia Research</i> , 2020, 216, 488-495.	2.0	39
25	Exposure to air pollution in early childhood and the association with Attention-Deficit Hyperactivity Disorder. <i>Environmental Research</i> , 2020, 183, 108930.	7.5	38
26	Components of particulate matter air-pollution and brain tumors. <i>Environment International</i> , 2020, 144, 106046.	10.0	19
27	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.	7.1	18
28	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
29	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.	6.4	12
30	Air pollution and family related determinants of asthma onset and persistent wheezing in children: nationwide case-control study. <i>BMJ, The</i> , 2020, 370, m2791.	6.0	51
31	The Association between Residential Green Space in Childhood and Development of Attention Deficit Hyperactivity Disorder: A Population-Based Cohort Study. <i>Environmental Health Perspectives</i> , 2020, 128, 127011.	6.0	44
32	Residential Exposure to PM2.5 Components and Risk of Childhood Non-Hodgkin Lymphoma in Denmark: A Nationwide Register-Based Case-Control Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8949.	2.6	6
33	Long-term exposure to air pollution and mortality in the Danish population a nationwide study. <i>EClinicalMedicine</i> , 2020, 28, 100605.	7.1	34
34	Long-term exposure to air pollution and risk of non-Hodgkin lymphoma in Denmark: A population-based case-control study. <i>International Journal of Cancer</i> , 2020, 147, 1874-1880.	5.1	10
35	Associations between growing up in natural environments and subsequent psychiatric disorders in Denmark. <i>Environmental Research</i> , 2020, 188, 109788.	7.5	38
36	Deaths Attributable to Air Pollution in Nordic Countries: Disparities in the Estimates. <i>Atmosphere</i> , 2020, 11, 467.	2.3	20

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37	The influence of residential wood combustion on the concentrations of PM <sub>2.5</sub> in four Nordic cities. Atmospheric Chemistry and Physics, 2020, 20, 4333-4365.	4.9	40
38	Long-term exposure to PM <sub>2.5</sub> and its constituents and risk of Non-Hodgkin lymphoma in Denmark: A population-based case-control study. Environmental Research, 2020, 188, 109762.	7.5	10
39	Long-term exposure to air pollution and stroke incidence: A Danish Nurse cohort study. Environment International, 2020, 142, 105891.	10.0	54
40	Intracranial tumors of the central nervous system and air pollution – a nationwide case-control study from Denmark. Environmental Health, 2020, 19, 81.	4.0	12
41	Exposure to air pollution during childhood and risk of developing schizophrenia: a national cohort study. Lancet Planetary Health, The, 2020, 4, e64-e73.	11.4	56
42	Environmental pollution is associated with increased risk of psychiatric disorders in the US and Denmark. PLoS Biology, 2019, 17, e3000353.	5.6	108
43	Association of Childhood Exposure to Nitrogen Dioxide and Polygenic Risk Score for Schizophrenia With the Risk of Developing Schizophrenia. JAMA Network Open, 2019, 2, e1914401.	5.9	29
44	Long-term residential exposure to PM <sub>2.5</sub> constituents and mortality in a Danish cohort. Environment International, 2019, 133, 105268.	10.0	57
45	Simulating the atmospheric CO <sub>2</sub> concentration across the heterogeneous landscape of Denmark using a coupled atmosphere-biosphere mesoscale model system. Biogeosciences, 2019, 16, 1505-1524.	3.3	2
46	Contributions of Nordic anthropogenic emissions on air pollution and premature mortality over the Nordic region and the Arctic. Atmospheric Chemistry and Physics, 2019, 19, 12975-12992.	4.9	24
47	Long-term residential exposure to PM <sub>2.5</sub> , PM <sub>10</sub> , black carbon, NO <sub>2</sub> , and ozone and mortality in a Danish cohort. Environment International, 2019, 123, 265-272.	10.0	175
48	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.	4.9	47
49	T134. EXPOSURE TO NITROGEN DIOXIDE DURING CHILDHOOD IS ASSOCIATED WITH INCREASED RISK OF SCHIZOPHRENIA. Schizophrenia Bulletin, 2018, 44, S167-S167.	4.3	1
50	Nitrogen Deposition on Danish Nature. Atmosphere, 2018, 9, 447.	2.3	25
51	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 AQMEI3. Atmospheric Chemistry and Physics, 2018, 18, 5967-5989.	4.9	68
52	Influence of anthropogenic emissions and boundary conditions on multi-model simulations of major air pollutants over Europe and North America in the framework of AQMEI3. Atmospheric Chemistry and Physics, 2018, 18, 8929-8952.	4.9	32
53	Air Pollutant Trends over Denmark over the Last 37 Years as Simulated by the Integrated Model System ÅTHOR. Springer Proceedings in Complexity, 2018, , 49-54.	0.3	4
54	Testing a New Holistic Management Tool for Nitrogen-Environmental Impacts of Using Manure Acidification in the Danish Agricultural Sector. Springer Proceedings in Complexity, 2018, , 535-539.	0.3	0

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55	The influence of short-term variability in surface water on modelled air-sea exchange. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2017, 69, 1302670.	1.6	2
56	Ammonia Concentrations Over Europe – Application of the WRF-Chem Model Supported with Dynamic Emission. <i>Polish Journal of Environmental Studies</i> , 2017, 26, 1323-1341.	1.2	5
57	Impact of climate change on the production and transport of sea salt aerosol on European seas. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13081-13104.	4.9	20
58	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.	0.3	0
59	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.	4.9	23
60	Is the ozone climate penalty robust in Europe?. <i>Environmental Research Letters</i> , 2015, 10, 084015.	5.2	48
61	Future Premature Mortality Due to O <sub>3</sub> , 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.	2.6	52
62	Sensitivity of the air-sea CO <sub>2</sub> exchange in the Baltic Sea and Danish inner waters to atmospheric short-term variability. <i>Biogeosciences</i> , 2015, 12, 2753-2772.	3.3	8
63	Impacts of climate and emission changes on nitrogen deposition in Europe: a multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6995-7017.	4.9	103
64	Assessing atmospheric nitrogen deposition to natural and semi-natural ecosystems – Experience from Danish studies using the DAMOS. <i>Atmospheric Environment</i> , 2013, 66, 151-160.	4.1	29
65	Towards a climate-dependent paradigm of ammonia emission and deposition. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130166.	4.0	328
66	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.	4.9	116
67	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.	4.9	81
68	The effect of climate and climate change on ammonia emissions in Europe. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 117-128.	4.9	83
69	Ammonia emissions from deciduous forest after leaf fall. <i>Biogeosciences</i> , 2013, 10, 4577-4589.	3.3	29
70	Identifying urban sources as cause of elevated grass pollen concentrations using GIS and remote sensing. <i>Biogeosciences</i> , 2013, 10, 541-554.	3.3	93
71	A multi-model study of impacts of climate change on surface ozone in Europe. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10423-10440.	4.9	113
72	Projected change in atmospheric nitrogen deposition to the Baltic Sea towards 2020. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 2615-2629.	4.9	30

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73	High bacterial 16S rRNA gene diversity above the atmospheric boundary layer. <i>Aerobiologia</i> , 2012, 28, 481-498.	1.7	40
74	Improved modelling of atmospheric ammonia over Denmark using the coupled modelling system DAMOS. <i>Biogeosciences</i> , 2012, 9, 2625-2647.	3.3	66
75	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.	4.1	234
76	Effects of Changed Climate Conditions on Tropospheric Ozone over Three Centuries. <i>Atmospheric and Climate Sciences</i> , 2012, 02, 546-561.	0.3	8
77	Spatial and temporal variations in ammonia emissions – a freely accessible model code for Europe. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5221-5236.	4.9	129
78	Importance of fossil fuel emission uncertainties over Europe for CO <sub>2</sub> modeling: model intercomparison. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6607-6622.	4.9	87
79	European CO <sub>2</sub> fluxes from atmospheric inversions using regional and global transport models. <i>Climatic Change</i> , 2010, 103, 93-115.	3.6	31
80	Modelling of the Atmospheric Transport and Deposition of Ammonia at a National and Regional Scale. , 2009, , 301-358.		14
81	Copenhagen – a significant source of birch ( <i>Betula</i> ) pollen?. <i>International Journal of Biometeorology</i> , 2008, 52, 453-62.	3.0	61
82	An inventory of tree species in Europe – An essential data input for air pollution modelling. <i>Ecological Modelling</i> , 2008, 217, 292-304.	2.5	71
83	TransCom model simulations of hourly atmospheric CO <sub>2</sub> : Experimental overview and diurnal cycle results for 2002. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	4.9	142
84	TransCom model simulations of hourly atmospheric CO <sub>2</sub> : Analysis of synoptic-scale variations for the period 2002–2003. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	4.9	119
85	Modeling short-term variability of <i>h</i> -hexachlorocyclohexane in Northern Hemispheric air. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	15
86	The Role of the Snowpack on the Fate of <i>h</i> -HCH in an Atmospheric Chemistry-Transport Model. <i>Environmental Science &amp; Technology</i> , 2008, 42, 2943-2948.	10.0	23
87	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.	4.9	76
88	Comparing atmospheric transport models for future regional inversions over Europe – Part 1: mapping the atmospheric CO <sub>2</sub> signals. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 3461-3479.	4.9	148
89	Integrated air-quality monitoring - combined use of measurements and models in monitoring programmes. <i>Environmental Chemistry</i> , 2007, 4, 65.	1.5	44
90	Identifying the European Fossil Fuel Plumes in the Atmosphere Over the Northeast Atlantic Region Through Isotopic Observations and Numerical Modelling. <i>Environmental Monitoring and Assessment</i> , 2006, 117, 387-409.	2.7	1

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91	Modelling Nitrogen Deposition on a Local Scale – A Review of the Current State of the Art. Environmental Chemistry, 2006, 3, 317.	1.5	79
92	Investigating the sources of synoptic variability in atmospheric CO2 measurements over the Northern Hemisphere continents: a regional model study. Tellus, Series B: Chemical and Physical Meteorology, 2004, 56, 35-50.	1.6	47
93	Modelling atmospheric transport of $\hat{\pm}$ -hexachlorocyclohexane in the Northern Hemisphere with a 3-D dynamical model: DEHM-POP. Atmospheric Chemistry and Physics, 2004, 4, 1125-1137.	4.9	68
94	Simulating spatiotemporal variations of atmospheric CO2 using a nested hemispheric model. Physics and Chemistry of the Earth, 2002, 27, 1495-1505.	2.9	11
95	Modeling concentrations and fluxes of atmospheric CO2 in the North East Atlantic region. Physics and Chemistry of the Earth, 2001, 26, 763-768.	0.3	10