

Hugo A C Denier Van Der Gon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189
papers

7,664
citations

46
h-index

83
g-index

259
ext. papers

8,997
ext. citations

5.7
avg, IF

5.72
L-index

#	Paper	IF	Citations
189	Decadal Variabilities in Tropospheric Nitrogen Oxides Over United States, Europe, and China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022 , 127, e2021JD035872	4.4	1
188	High-resolution inventory of atmospheric emissions from transport, industrial, energy, mining and residential activities in Chile. <i>Earth System Science Data</i> , 2022 , 14, 361-379	10.5	1
187	CAMS-REG-v4: a state-of-the-art high-resolution European emission inventory for air quality modelling. <i>Earth System Science Data</i> , 2022 , 14, 491-515	10.5	6
186	Global nature run data with realistic high-resolution carbon weather for the year of the Paris Agreement.. <i>Scientific Data</i> , 2022 , 9, 160	8.2	1
185	European primary emissions of criteria pollutants and greenhouse gases in 2020 modulated by the COVID-19 pandemic disruptions. <i>Earth System Science Data</i> , 2022 , 14, 2521-2552	10.5	0
184	Global anthropogenic CO ₂ emissions and uncertainties as a prior for Earth system modelling and data assimilation. <i>Earth System Science Data</i> , 2021 , 13, 5311-5335	10.5	3
183	The UrbEm Hybrid Method to Derive High-Resolution Emissions for City-Scale Air Quality Modeling. <i>Atmosphere</i> , 2021 , 12, 1404	2.7	5
182	Analysis of the Anthropogenic and Biogenic NO _x Emissions Over 2008-2017: Assessment of the Trends in the 30 Most Populated Urban Areas in Europe. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL092206	4.9	20
181	The consolidated European synthesis of CO ₂ emissions and removals for the European Union and United Kingdom: 1990-2018. <i>Earth System Science Data</i> , 2021 , 13, 2363-2406	10.5	8
180	A pragmatic protocol for characterising errors in atmospheric inversions of methane emissions over Europe. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2021 , 73, 1-23	3.3	1
179	Time-resolved emission reductions for atmospheric chemistry modelling in Europe during the COVID-19 lockdowns. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 773-797	6.8	41
178	Copernicus Atmosphere Monitoring Service TEMPORal profiles (CAMS-TEMPO): global and European emission temporal profile maps for atmospheric chemistry modelling. <i>Earth System Science Data</i> , 2021 , 13, 367-404	10.5	13
177	Disease burden and excess mortality from coal-fired power plant emissions in Europe. <i>Environmental Research Letters</i> , 2021 , 16, 045010	6.2	5
176	The CO ₂ Human Emissions (CHE) Project: First Steps Towards a European Operational Capacity to Monitor Anthropogenic CO ₂ Emissions. <i>Frontiers in Remote Sensing</i> , 2021 , 2,	1	4
175	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	5.3	7
174	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	5.3	1
173	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	5.3	6

172	Reductions in nitrogen oxides over the Netherlands between 2005 and 2018 observed from space and on the ground: Decreasing emissions and increasing O3 indicate changing NOx chemistry. <i>Atmospheric Environment: X</i> , 2021 , 9, 100104	2.8	8
171	Evaluation of anthropogenic air pollutant emission inventories for South America at national and city scale. <i>Atmospheric Environment</i> , 2020 , 235, 117606	5.3	25
170	Intercomparison of Magnitudes and Trends in Anthropogenic Surface Emissions From Bottom-Up Inventories, Top-Down Estimates, and Emission Scenarios. <i>Earth's Future</i> , 2020 , 8, e2020EF001520	7.9	23
169	Uncertainty analysis of a European high-resolution emission inventory of CO ₂ and CO to support inverse modelling and network design. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 1795-1816	6.8	20
168	Natural sea-salt emissions moderate the climate forcing of anthropogenic nitrate. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 771-786	6.8	6
167	Toward an Operational Anthropogenic CO ₂ Emissions Monitoring and Verification Support Capacity. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1439-E1451	6.1	29
166	Methane emissions from the Munich Oktoberfest. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3683-3696	6.8	10
165	Quantifying burning efficiency in megacities using the NO _x /CO ratio from the Tropospheric Monitoring Instrument (TROPOMI). <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 10295-10310	6.8	8
164	Methane mapping, emission quantification, and attribution in two European cities: Utrecht (NL) and Hamburg (DE). <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 14717-14740	6.8	12
163	Optimizing a dynamic fossil fuel CO ₂ emission model with CT DAS (CarbonTracker Data Assimilation Shell, v1.0) for an urban area using atmospheric observations of CO ₂ , CO, NO _x , and SO ₂ . <i>Geoscientific Model Development</i> , 2020 , 13, 2695-2721	6.3	2
162	Modelling Organic Aerosol in Europe: Improved CAMx and Contribution of Anthropogenic and Biogenic Sources. <i>Springer Proceedings in Complexity</i> , 2020 , 383-388	0.3	
161	Evaluation of receptor and chemical transport models for PM ₁₀ source apportionment. <i>Atmospheric Environment: X</i> , 2020 , 5, 100053	2.8	23
160	Inventory of country-specific emissions of engineered nanomaterials throughout the life cycle. <i>Environmental Science: Nano</i> , 2020 , 7, 3824-3839	7.1	6
159	Emissions of methane in Europe inferred by total column measurements. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 3963-3980	6.8	8
158	Future European shale gas life-cycle GHG emissions for electric power generation in comparison to other fossil fuels. <i>Carbon Management</i> , 2019 , 10, 163-174	3.3	4
157	Emission scenarios of a potential shale gas industry in Germany and the United Kingdom. <i>Elementa</i> , 2019 , 7,	3.6	4
156	Sources of organic aerosols in Europe: a modeling study using CAMx with modified volatility basis set scheme. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 15247-15270	6.8	16
155	Satellite observations reveal extreme methane leakage from a natural gas well blowout. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 ,	11.5	53

154	Quantification of nitrogen oxides emissions from build-up of pollution over Paris with TROPOMI. <i>Scientific Reports</i> , 2019 , 9, 20033	4.9	63
153	Modeling emissions for three-dimensional atmospheric chemistry transport models. <i>Journal of the Air and Waste Management Association</i> , 2018 , 68, 763-800	2.4	38
152	Impact of residential combustion and transport emissions on air pollution in Santiago during winter. <i>Atmospheric Environment</i> , 2018 , 190, 195-208	5.3	23
151	European Emission Inventories and Projections for Road Transport Non-Exhaust Emissions: Analysis of Consistency and Gaps in Emission Inventories From EU Member States 2018 , 101-121		9
150	Methane emissions in the Netherlands: The Groningen field. <i>Elementa</i> , 2018 , 6,	3.6	18
149	Evaluating cloud properties in an ensemble of regional online coupled models against satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 15183-15199	6.8	7
148	Advancing global aerosol simulations with size-segregated anthropogenic particle number emissions. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 10039-10054	6.8	9
147	Source apportionment of PM _{2.5} across China using LOTOS-EUROS. <i>Atmospheric Environment</i> , 2017 , 164, 370-386	5.3	61
146	Curriculum Vitae of the LOTOS-EUROS (v2.0) chemistry transport model 2017 ,		2
145	Curriculum vitae of the LOTOS-EUROS (v2.0) chemistry transport model. <i>Geoscientific Model Development</i> , 2017 , 10, 4145-4173	6.3	67
144	Interpreting continuous in-situ observations of carbon dioxide and carbon monoxide in the urban port area of Rotterdam. <i>Atmospheric Pollution Research</i> , 2017 , 8, 174-187	4.5	14
143	Estimation of the Paris NO _x emissions from mobile MAX-DOAS observations and CHIMERE model simulations during the MEGAPOLI campaign using the closed integral method. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7853-7890	6.8	19
142	Multi-source SO ₂ emission retrievals and consistency of satellite and surface measurements with reported emissions. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 12597-12616	6.8	37
141	A multi-model approach to monitor emissions of CO ₂ and CO from an urban-industrial complex. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 13297-13316	6.8	9
140	Air pollution impacts due to petroleum extraction in the Norwegian Sea during the ACCESS aircraft campaign. <i>Elementa</i> , 2017 , 5,	3.6	9
139	Sea salt emission, transportation and influence on nitrate simulation: a case study in Europe 2016 ,		1
138	A multi-model approach to monitor emissions of CO ₂ and CO in an urban-industrial complex 2016 ,		1
137	Sea salt emission, transport and influence on size-segregated nitrate simulation: a case study in northwestern Europe by WRF-Chem. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 12081-12097	6.8	25

136	Evaluation of the performance of four chemical transport models in predicting the aerosol chemical composition in Europe in 2005. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 6041-6070	6.8	24
135	Evaluation of the size segregation of elemental carbon (EC) emission in Europe: influence on the simulation of EC long-range transportation. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 1823-1835	6.8	13
134	Continental anthropogenic primary particle number emissions. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 6823-6840	6.8	53
133	Insights into the deterministic skill of air quality ensembles from the analysis of AQMEII data. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 15629-15652	6.8	17
132	Simulating the formation of carbonaceous aerosol in a European Megacity (Paris) during the MEGAPOLI summer and winter campaigns. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 3727-3741	6.8	25
131	Improving the modeling of road dust levels for Barcelona at urban scale and street level. <i>Atmospheric Environment</i> , 2016 , 125, 231-242	5.3	10
130	Modelling the Dispersion of Particle Numbers in Five European Cities. <i>Springer Proceedings in Complexity</i> , 2016 , 415-418	0.3	1
129	Estimation of Anthropogenic CO2 Emission from Ozone Monitoring Instrument Tropospheric NO2 Columns Using Chemistry Transport Modelling Over North Western Europe. <i>Springer Proceedings in Complexity</i> , 2016 , 587-591	0.3	
128	Air quality modelling in the Berlin-Brandenburg region using WRF-Chem v3.7.1: sensitivity to resolution of model grid and input data 2016 ,		2
127	Modelling the dispersion of particle numbers in five European cities. <i>Geoscientific Model Development</i> , 2016 , 9, 451-478	6.3	33
126	Air quality modelling in the Berlin-Brandenburg region using WRF-Chem v3.7.1: sensitivity to resolution of model grid and input data. <i>Geoscientific Model Development</i> , 2016 , 9, 4339-4363	6.3	53
125	Variation of the NMVOC speciation in the solvent sector and the sensitivity of modelled tropospheric ozone. <i>Atmospheric Environment</i> , 2016 , 135, 59-72	5.3	12
124	A regional air quality forecasting system over Europe: the MACC-II daily ensemble production 2015 ,		8
123	Impact of a future H ₂ transportation on atmospheric pollution in Europe. <i>Atmospheric Environment</i> , 2015 , 113, 208-222	5.3	18
122	Analysis of the emission inventories and model-ready emission datasets of Europe and North America for phase 2 of the AQMEII project. <i>Atmospheric Environment</i> , 2015 , 115, 345-360	5.3	80
121	Dynamic model evaluation for secondary inorganic aerosol and its precursors over Europe between 1990 and 2009. <i>Geoscientific Model Development</i> , 2015 , 8, 1047-1070	6.3	17
120	Evaluation of operational online-coupled regional air quality models over Europe and North America in the context of AQMEII phase 2. Part II: Particulate matter. <i>Atmospheric Environment</i> , 2015 , 115, 421-441	5.3	97
119	Source sector and region contributions to BC and PM _{2.5} in Central Asia. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 1683-1705	6.8	17

118	How much is particulate matter near the ground influenced by upper-level processes within and above the PBL? A summertime case study in Milan (Italy) evidences the distinctive role of nitrate. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2629-2649	6.8	31
117	Particulate emissions from residential wood combustion in Europe [revised estimates and an evaluation. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 6503-6519	6.8	153
116	Particulate matter, air quality and climate: lessons learned and future needs. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 8217-8299	6.8	462
115	In situ, satellite measurement and model evidence on the dominant regional contribution to fine particulate matter levels in the Paris megacity. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 9577-9591	6.8	72
114	Evaluating BC and NO _x emission inventories for the Paris region from MEGAPOLI aircraft measurements. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 9799-9818	6.8	13
113	HTAP_v2.2: a mosaic of regional and global emission grid maps for 2008 and 2010 to study hemispheric transport of air pollution. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 11411-11432	6.8	485
112	Model calculations of the effects of present and future emissions of air pollutants from shipping in the Baltic Sea and the North Sea. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 783-798	6.8	66
111	A regional air quality forecasting system over Europe: the MACC-II daily ensemble production. <i>Geoscientific Model Development</i> , 2015 , 8, 2777-2813	6.3	148
110	New Directions: Cleaning the air: Will the European Commission's clean air policy package of December 2013 deliver?. <i>Atmospheric Environment</i> , 2014 , 91, 172-174	5.3	6
109	Elemental composition of current automotive braking materials and derived air emission factors. <i>Atmospheric Environment</i> , 2014 , 99, 436-445	5.3	65
108	Inter-comparison between HERMESv2.0 and TNO-MACC-II emission data using the CALIOPE air quality system (Spain). <i>Atmospheric Environment</i> , 2014 , 98, 134-145	5.3	15
107	Urban air quality: the challenge of traffic non-exhaust emissions. <i>Journal of Hazardous Materials</i> , 2014 , 275, 31-6	12.8	221
106	Impact of inland shipping emissions on elemental carbon concentrations near waterways in The Netherlands. <i>Atmospheric Environment</i> , 2014 , 95, 1-9	5.3	13
105	Linking climate and air quality over Europe: effects of meteorology on PM _{2.5} concentrations. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 10283-10298	6.8	60
104	TNO-MACC_II emission inventory; a multi-year (2003-2009) consistent high-resolution European emission inventory for air quality modelling. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 10963-10976	6.8	281
103	Atmospheric black carbon and warming effects influenced by the source and absorption enhancement in central Europe. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 12683-12699	6.8	27
102	Organic aerosol concentration and composition over Europe: insights from comparison of regional model predictions with aerosol mass spectrometer factor analysis. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 9061-9076	6.8	56
101	Variations in tropospheric submicron particle size distributions across the European continent 2008-2009. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 4327-4348	6.8	31

100	Gaseous chemistry and aerosol mechanism developments for version 3.5.1 of the online regional model, WRF-Chem. <i>Geoscientific Model Development</i> , 2014 , 7, 2557-2579	6.3	40
99	Dynamic model evaluation for secondary inorganic aerosol and its precursors over Europe between 1990 and 2009 2014 ,		1
98	Impacts of controlling biomass burning emissions on wintertime carbonaceous aerosol in Europe. <i>Atmospheric Environment</i> , 2014 , 87, 175-182	5.3	21
97	Ocean-Atmosphere Interactions of Particles. <i>Springer Earth System Sciences</i> , 2014 , 171-246	0.3	21
96	Modelling of Particle Number Concentrations with LOTOS-EUROS. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2014 , 125-128	0.3	
95	Can We Explain the Observed Decrease in Secondary Inorganic Aerosol and Its Precursors Between 1990 and 2009 over Europe Using LOTOS-EUROS?. <i>Springer Proceedings in Complexity</i> , 2014 , 481-488	0.3	
94	New Directions: GEIA's 2020 vision for better air emissions information. <i>Atmospheric Environment</i> , 2013 , 81, 710-712	5.3	18
93	Quantification of the urban air pollution increment and its dependency on the use of down-scaled and bottom-up city emission inventories. <i>Urban Climate</i> , 2013 , 6, 44-62	6.8	43
92	Impact of grid resolution on the predicted fine PM by a regional 3-D chemical transport model. <i>Atmospheric Environment</i> , 2013 , 68, 24-32	5.3	57
91	Warming-induced increase in aerosol number concentration likely to moderate climate change. <i>Nature Geoscience</i> , 2013 , 6, 438-442	18.3	206
90	Short-term variability of mineral dust, metals and carbon emission from road dust resuspension. <i>Atmospheric Environment</i> , 2013 , 74, 134-140	5.3	46
89	The origin of ambient particulate matter concentrations in the Netherlands. <i>Atmospheric Environment</i> , 2013 , 69, 289-303	5.3	41
88	The policy relevance of wear emissions from road transport, now and in the future--an international workshop report and consensus statement. <i>Journal of the Air and Waste Management Association</i> , 2013 , 63, 136-49	2.4	122
87	Impact of emission changes on secondary inorganic aerosol episodes across Germany. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 11675-11693	6.8	23
86	Formation of organic aerosol in the Paris region during the MEGAPOLI summer campaign: evaluation of the volatility-basis-set approach within the CHIMERE model. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 5767-5790	6.8	88
85	Light-absorbing carbon in Europe [measurement and modelling, with a focus on residential wood combustion emissions. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 8719-8738	6.8	43
84	Anthropogenic Vanadium emissions to air and ambient air concentrations in North-West Europe. <i>E3S Web of Conferences</i> , 2013 , 1, 03004	0.5	13
83	Simulating Ultrafine Particle Formation in Europe Using a Regional CTM: Contribution of Primary Emissions Versus Secondary Formation to Aerosol Number Concentrations. <i>Springer Atmospheric Sciences</i> , 2013 , 951-957	0.7	1

82	Comparing emission inventories and model-ready emission datasets between Europe and North America for the AQMEII project. <i>Atmospheric Environment</i> , 2012 , 53, 4-14	5.3	140
81	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	5.3	153
80	Effect of rain events on the mobility of road dust load in two Dutch and Spanish roads. <i>Atmospheric Environment</i> , 2012 , 62, 352-358	5.3	41
79	Emission factors for heavy metals from diesel and petrol used in European vehicles. <i>Atmospheric Environment</i> , 2012 , 61, 641-651	5.3	109
78	Megacity ozone air quality under four alternative future scenarios. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 4413-4428	6.8	38
77	Modelling of organic aerosols over Europe (2002-2007) using a volatility basis set (VBS) framework: application of different assumptions regarding the formation of secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8499-8527	6.8	149
76	Impact of forest fires, biogenic emissions and high temperatures on the elevated Eastern Mediterranean ozone levels during the hot summer of 2007. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8727-8750	6.8	42
75	Simulating ultrafine particle formation in Europe using a regional CTM: contribution of primary emissions versus secondary formation to aerosol number concentrations. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8663-8677	6.8	32
74	Evaluation of a three-dimensional chemical transport model (PMCAMx) in the European domain during the EUCAARI May 2008 campaign. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 10331-10347	6.8	96
73	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) Integrating aerosol research from nano to global scales. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 13061-13143	6.8	231
72	Anthropogenic and natural constituents in particulate matter in the Netherlands. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 2281-2294	6.8	50
71	Vertical emission profiles for Europe based on plume rise calculations. <i>Environmental Pollution</i> , 2011 , 159, 2935-46	9.3	86
70	Evolution of anthropogenic and biomass burning emissions of air pollutants at global and regional scales during the 1980-2010 period. <i>Climatic Change</i> , 2011 , 109, 163-190	4.5	623
69	Discrepancies Between Top-Down and Bottom-Up Emission Inventories of Megacities: The Causes and Relevance for Modeling Concentrations and Exposure. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2011 , 199-204	0.3	9
68	A refinement of the emission data for Kola Peninsula based on inverse dispersion modelling. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 10849-10865	6.8	22
67	Modelling the chemically aged and mixed aerosols over the eastern central Atlantic Ocean potential impacts. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 5797-5822	6.8	22
66	Non-exhaust emissions of PM and the efficiency of emission reduction by road sweeping and washing in the Netherlands. <i>Science of the Total Environment</i> , 2010 , 408, 4591-9	10.2	43
65	Fuel consumption and associated emissions from seagoing ships at berth derived from an on-board survey. <i>Atmospheric Environment</i> , 2010 , 44, 1229-1236	5.3	68

64	Lead emissions from road transport in Europe: a revision of current estimates using various estimation methodologies. <i>Science of the Total Environment</i> , 2009 , 407, 5367-72	10.2	26
63	On the variability of Black Smoke and carbonaceous aerosols in the Netherlands. <i>Atmospheric Environment</i> , 2007 , 41, 5908-5920	5.3	44
62	Emissions of persistent organic pollutants and eight candidate POPs from UNECE-Europe in 2000, 2010 and 2020 and the emission reduction resulting from the implementation of the UNECE POP protocol. <i>Atmospheric Environment</i> , 2007 , 41, 9245-9261	5.3	89
61	A revised estimate of copper emissions from road transport in UNECE-Europe and its impact on predicted copper concentrations. <i>Atmospheric Environment</i> , 2007 , 41, 8697-8710	5.3	66
60	Brake wear from vehicles as an important source of diffuse copper pollution. <i>Water Science and Technology</i> , 2007 , 56, 223-31	2.2	53
59	Interception and Water Recharge Following Afforestation: Experiences from Oak and Norway Spruce Chronosequences in Denmark, Sweden and The Netherlands 2007 , 53-77		3
58	Nitrogen Deposition and Nitrate Leaching Following Afforestation: Experiences from Oak and Norway Spruce Chronosequences in Denmark, Sweden and the Netherlands 2007 , 79-108		3
57	Upscaling regional emissions of greenhouse gases from rice cultivation: methods and sources of uncertainty 2006 , 89-108		
56	The effect of afforestation on water recharge and nitrogen leaching in The Netherlands. <i>Forest Ecology and Management</i> , 2006 , 221, 170-182	3.9	34
55	Upscaling Regional Emissions of Greenhouse Gases from Rice Cultivation: Methods and Sources of Uncertainty. <i>Plant Ecology</i> , 2006 , 182, 89-106	1.7	26
54	Indirect N ₂ O emission due to atmospheric N deposition for the Netherlands. <i>Atmospheric Environment</i> , 2005 , 39, 5827-5838	5.3	49
53	Identifying key issues in environmental wetland research using scaling and uncertainty analysis. <i>Regional Environmental Change</i> , 2004 , 4, 100-106	4.3	11
52	Anthropogenic black carbon and fine aerosol distribution over Europe. <i>Journal of Geophysical Research</i> , 2004 , 109,		86
51	Prediction of reducible soil iron content from iron extraction data. <i>Biogeochemistry</i> , 2003 , 64, 231-245	3.8	43
50	Effects of interpolation and data resolution on methane emission estimates from rice paddies. <i>Environmental and Ecological Statistics</i> , 2002 , 9, 5-26	2.2	12
49	Optimizing grain yields reduces CH ₄ emissions from rice paddy fields. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 12021-4	11.5	90
48	Upscaling methane emissions from rice paddies: Problems and possibilities. <i>Global Biogeochemical Cycles</i> , 2002 , 16, 14-1-14-12	5.9	16
47	Spatial and temporal dynamics of methane emissions from agricultural sources in China. <i>Global Change Biology</i> , 2001 , 7, 31-47	11.4	37

46	Sulfate-containing amendments to reduce methane emissions from rice fields: mechanisms, effectiveness and costs. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2001 , 6, 71-89	3.9	43
45	Estimation of Regional Methane Emission from Rice Fields Using Simple Atmospheric Diffusion Models. <i>Nutrient Cycling in Agroecosystems</i> , 2000 , 58, 303-310	3.3	2
44	Combining Upscaling and Downscaling of Methane Emissions from Rice Fields: Methodologies and Preliminary Results. <i>Nutrient Cycling in Agroecosystems</i> , 2000 , 58, 285-301	3.3	15
43	Changes in CH ₄ emission from rice fields from 1960 to 1990s: 1. Impacts of modern rice technology. <i>Global Biogeochemical Cycles</i> , 2000 , 14, 61-72	5.9	41
42	Combining upscaling and downscaling of methane emissions from rice fields: methodologies and preliminary results 2000 , 285-301		0
41	Estimation of regional methane emission from rice fields using simple atmospheric diffusion models 2000 , 303-310		
40	Changes in CH ₄ emission from rice fields From 1960 to 1990s: 2. The declining use of organic inputs in rice farming. <i>Global Biogeochemical Cycles</i> , 1999 , 13, 1053-1062	5.9	19
39	Working group report How should the uncertainties in the results of scaling be investigated and decreased?. <i>Developments in Atmospheric Science</i> , 1999 , 24, 299-313		2
38	Release of entrapped methane from wetland rice fields upon soil drying. <i>Global Biogeochemical Cycles</i> , 1996 , 10, 1-7	5.9	46
37	Oxidation of methane in the rhizosphere of rice plants. <i>Biology and Fertility of Soils</i> , 1996 , 22, 359-366	6.1	95
36	Oxidation of methane in the rhizosphere of rice plants 1996 , 22, 359		6
35	Methane emission from a wetland rice field as affected by salinity. <i>Plant and Soil</i> , 1995 , 170, 307-313	4.2	40
34	Influence of organic matter incorporation on the methane emission from a wetland rice field. <i>Global Biogeochemical Cycles</i> , 1995 , 9, 11-22	5.9	140
33	Assessment report on NRP subtheme "Greenhouse Gases" Sources and sinks of CO ₂ , CH ₄ and N ₂ O, databases and socio-economic causes. <i>Studies in Environmental Science</i> , 1995 , 65, 453-533		
32	Soil parameters controlling methane emission from rice paddies. <i>Studies in Environmental Science</i> , 1995 , 607-610		1
31	Impact of gypsum application on the methane emission from a wetland rice field. <i>Global Biogeochemical Cycles</i> , 1994 , 8, 127-134	5.9	54
30	Temporal patterns of methane emissions from wetland rice fields treated by different modes of N application. <i>Journal of Geophysical Research</i> , 1994 , 99, 16457		63
29	Diffusion-controlled transport of methane from soil to atmosphere as mediated by rice plants. <i>Biogeochemistry</i> , 1993 , 21, 177-190	3.8	68

28	Time-resolved emission reductions for atmospheric chemistry modelling in Europe during the COVID-19 lockdowns	3
27	Supplementary material to "Time-resolved emission reductions for atmospheric chemistry modelling in Europe during the COVID-19 lockdowns";	2
26	Evaluation of a three-dimensional chemical transport model (PMCAMx) in the European domain during the EUCAARI May 2008 campaign	5
25	Formation of organic aerosol in the Paris region during the MEGAPOLI summer campaign: evaluation of the Volatility-Basis-Set approach within the CHIMERE model	1
24	Modelling of organic aerosols over Europe (2002–2007) using a volatility basis set (VBS) framework with application of different assumptions regarding the formation of secondary organic aerosol	8
23	Response of secondary inorganic aerosol concentrations and deposition fluxes of S and N across Germany to emission changes during high PM ₁₀ episodes in spring 2009	2
22	Variations in tropospheric submicron particle size distributions across the European continent 2008–2009	2
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20	Source sector and region contributions to BC and PM _{2.5} in Central Asia	5
19	Model calculations of the effects of present and future emissions of air pollutants from shipping in the Baltic Sea and the North Sea	5
18	How much is particulate matter near the ground influenced by upper level processes within and above the PBL? A summertime case study in Milan (Italy)	1
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15	TNO-MACC_II emission inventory: a multi-year (2003–2009) consistent high-resolution European emission inventory for air quality modelling	28
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11	Particulate matter, air quality and climate: lessons learned and future needs	12

10	In-situ, satellite measurement and model evidence for a~dominant regional contribution to fine particulate matter levels in the Paris Megacity	4
9	Methane and ethane emission scenarios for potential shale gas production in Europe. <i>Advances in Geosciences</i> ,45, 125-131	8
8	TNO_CAMS high resolution European emission inventory 2000–2014 for anthropogenic CO ₂ and future years following two different pathways	7
7	CAMS-TEMPO: global and European emission temporal profile maps for atmospheric chemistry modelling	2
6	The consolidated European synthesis of CO ₂ emissions and removals for EU27 and UK: 1990–2018	2
5	Global anthropogenic CO ₂ emissions and uncertainties as prior for Earth system modelling and data assimilation	4
4	Gaseous chemistry and aerosol mechanism developments for version 3.5.1 of the online regional model, WRF-Chem	2
3	Evaluation of size segregation of elemental carbon emission in Europe: influence on atmospheric long-range transportation	1
2	High resolution inventory of atmospheric emissions from transport, industrial, energy, mining and residential sectors of Chile	2
1	CAMS-REG-v4: a state-of-the-art high-resolution European emission inventory for air quality modelling	3