Hugo A C Denier Van Der Gon

List of Publications by Citations

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	Evolution of anthropogenic and biomass burning emissions of air pollutants at global and regional scales during the 1980–2010 period. *Climatic Change*, **2011**, 109, 163-190	4.5	623
188	HTAP_v2.2: a mosaic of regional and global emission grid maps for 2008 and 2010 to study hemispheric transport of air pollution. *Atmospheric Chemistry and Physics*, **2015**, 15, 11411-11432	6.8	485
187	Particulate matter, air quality and climate: lessons learned and future needs. *Atmospheric Chemistry and Physics*, **2015**, 15, 8217-8299	6.8	462
186	TNO-MACC_II emission inventory; a multi-year (2003–2009) consistent high-resolution European emission inventory for air quality modelling. *Atmospheric Chemistry and Physics*, **2014**, 14, 10963-10976	6.8	281
185	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) – integrating aerosol research from nano to global scales. *Atmospheric Chemistry and Physics*, **2011**, 11, 13061-13143	6.8	231
184	Urban air quality: the challenge of traffic non-exhaust emissions. *Journal of Hazardous Materials*, **2014**, 275, 31-6	12.8	221
183	Warming-induced increase in aerosol number concentration likely to moderate climate change. *Nature Geoscience*, **2013**, 6, 438-442	18.3	206
182	Model evaluation and ensemble modelling of surface-level ozone in Europe and North America in the context of AQMEII. *Atmospheric Environment*, **2012**, 53, 60-74	5.3	153
181	Particulate emissions from residential wood combustion in Europe – revised estimates and an evaluation. *Atmospheric Chemistry and Physics*, **2015**, 15, 6503-6519	6.8	153
180	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. *Atmospheric Chemistry and Physics*, **2012**, 12, 8499-8527	6.8	149
179	A regional air quality forecasting system over Europe: the MACC-II daily ensemble production. *Geoscientific Model Development*, **2015**, 8, 2777-2813	6.3	148
178	Comparing emission inventories and model-ready emission datasets between Europe and North America for the AQMEII project. *Atmospheric Environment*, **2012**, 53, 4-14	5.3	140
177	Influence of organic matter incorporation on the methane emission from a wetland rice field. *Global Biogeochemical Cycles*, **1995**, 9, 11-22	5.9	140
176	The policy relevance of wear emissions from road transport, now and in the future--an international workshop report and consensus statement. *Journal of the Air and Waste Management Association*, **2013**, 63, 136-49	2.4	122
175	Emission factors for heavy metals from diesel and petrol used in European vehicles. *Atmospheric Environment*, **2012**, 61, 641-651	5.3	109
174	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. *Atmospheric Environment*, **2015**, 115, 421-441	5.3	97
173	Evaluation of a three-dimensional chemical transport model (PMCAMx) in the European domain during the EUCAARI May 2008 campaign. *Atmospheric Chemistry and Physics*, **2011**, 11, 10331-10347	6.8	96

172	Oxidation of methane in the rhizosphere of rice plants. *Biology and Fertility of Soils*, **1996**, 22, 359-366	6.1	95
171	Optimizing grain yields reduces CH4 emissions from rice paddy fields. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 12021-4	11.5	90
170	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. *Atmospheric Environment*, **2007**, 41, 9245-9261	5.3	89
169	Formation of organic aerosol in the Paris region during the MEGAPOLI summer campaign: evaluation of the volatility-basis-set approach within the CHIMERE model. *Atmospheric Chemistry and Physics*, **2013**, 13, 5767-5790	6.8	88
168	Vertical emission profiles for Europe based on plume rise calculations. *Environmental Pollution*, **2011**, 159, 2935-46	9.3	86
167	Anthropogenic black carbon and fine aerosol distribution over Europe. *Journal of Geophysical Research*, **2004**, 109,		86
166	Analysis of the emission inventories and model-ready emission datasets of Europe and North America for phase 2 of the AQMEII project. *Atmospheric Environment*, **2015**, 115, 345-360	5.3	80
165	In situ, satellite measurement and model evidence on the dominant regional contribution to fine particulate matter levels in the Paris megacity. *Atmospheric Chemistry and Physics*, **2015**, 15, 9577-9591	6.8	72
164	Fuel consumption and associated emissions from seagoing ships at berth derived from an on-board survey. *Atmospheric Environment*, **2010**, 44, 1229-1236	5.3	68
163	Diffusion-controlled transport of methane from soil to atmosphere as mediated by rice plants. *Biogeochemistry*, **1993**, 21, 177-190	3.8	68
162	Curriculum vitae of the LOTOS EUROS (v2.0) chemistry transport model. *Geoscientific Model Development*, **2017**, 10, 4145-4173	6.3	67
161	Model calculations of the effects of present and future emissions of air pollutants from shipping in the Baltic Sea and the North Sea. *Atmospheric Chemistry and Physics*, **2015**, 15, 783-798	6.8	66
160	A revised estimate of copper emissions from road transport in UNECE-Europe and its impact on predicted copper concentrations. *Atmospheric Environment*, **2007**, 41, 8697-8710	5.3	66
159	Elemental composition of current automotive braking materials and derived air emission factors. *Atmospheric Environment*, **2014**, 99, 436-445	5.3	65
158	Temporal patterns of methane emissions from wetland rice fields treated by different modes of N application. *Journal of Geophysical Research*, **1994**, 99, 16457		63
157	Quantification of nitrogen oxides emissions from build-up of pollution over Paris with TROPOMI. *Scientific Reports*, **2019**, 9, 20033	4.9	63
156	Source apportionment of PM2.5 across China using LOTOS-EUROS. *Atmospheric Environment*, **2017**, 164, 370-386	5.3	61
155	Linking climate and air quality over Europe: effects of meteorology on PM_{2.5} concentrations. *Atmospheric Chemistry and Physics*, **2014**, 14, 10283-10298	6.8	60

154	Impact of grid resolution on the predicted fine PM by a regional 3-D chemical transport model. *Atmospheric Environment*, **2013**, 68, 24-32	5.3	57
153	Organic aerosol concentration and composition over Europe: insights from comparison of regional model predictions with aerosol mass spectrometer factor analysis. *Atmospheric Chemistry and Physics*, **2014**, 14, 9061-9076	6.8	56
152	Impact of gypsum application on the methane emission from a wetland rice field. *Global Biogeochemical Cycles*, **1994**, 8, 127-134	5.9	54
151	Continental anthropogenic primary particle number emissions. *Atmospheric Chemistry and Physics*, **2016**, 16, 6823-6840	6.8	53
150	Brake wear from vehicles as an important source of diffuse copper pollution. *Water Science and Technology*, **2007**, 56, 223-31	2.2	53
149	Air quality modelling in the Berlin□Brandenburg region using WRF-Chem v3.7.1: sensitivity to resolution of model grid and input data. *Geoscientific Model Development*, **2016**, 9, 4339-4363	6.3	53
148	Satellite observations reveal extreme methane leakage from a natural gas well blowout. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**,	11.5	53
147	Anthropogenic and natural constituents in particulate matter in the Netherlands. *Atmospheric Chemistry and Physics*, **2011**, 11, 2281-2294	6.8	50
146	Indirect N2O emission due to atmospheric N deposition for the Netherlands. *Atmospheric Environment*, **2005**, 39, 5827-5838	5.3	49
145	Short-term variability of mineral dust, metals and carbon emission from road dust resuspension. *Atmospheric Environment*, **2013**, 74, 134-140	5.3	46
144	Release of entrapped methane from wetland rice fields upon soil drying. *Global Biogeochemical Cycles*, **1996**, 10, 1-7	5.9	46
143	On the variability of Black Smoke and carbonaceous aerosols in the Netherlands. *Atmospheric Environment*, **2007**, 41, 5908-5920	5.3	44
142	Quantification of the urban air pollution increment and its dependency on the use of down-scaled and bottom-up city emission inventories. *Urban Climate*, **2013**, 6, 44-62	6.8	43
141	Light-absorbing carbon in Europe □measurement and modelling, with a focus on residential wood combustion emissions. *Atmospheric Chemistry and Physics*, **2013**, 13, 8719-8738	6.8	43
140	Non-exhaust emissions of PM and the efficiency of emission reduction by road sweeping and washing in the Netherlands. *Science of the Total Environment*, **2010**, 408, 4591-9	10.2	43
139	Prediction of reducible soil iron content from iron extraction data. *Biogeochemistry*, **2003**, 64, 231-245	3.8	43
138	Sulfate-containing amendments to reduce methane emissions from rice fields: mechanisms, effectiveness and costs. *Mitigation and Adaptation Strategies for Global Change*, **2001**, 6, 71-89	3.9	43
137	Impact of forest fires, biogenic emissions and high temperatures on the elevated Eastern Mediterranean ozone levels during the hot summer of 2007. *Atmospheric Chemistry and Physics*, **2012**, 12, 8727-8750	6.8	42

136	Effect of rain events on the mobility of road dust load in two Dutch and Spanish roads. *Atmospheric Environment*, **2012**, 62, 352-358	5.3	41
135	The origin of ambient particulate matter concentrations in the Netherlands. *Atmospheric Environment*, **2013**, 69, 289-303	5.3	41
134	Changes in CH4 emission from rice fields from 1960 to 1990s: 1. Impacts of modern rice technology. *Global Biogeochemical Cycles*, **2000**, 14, 61-72	5.9	41
133	Time-resolved emission reductions for atmospheric chemistry modelling in Europe during the COVID-19 lockdowns. *Atmospheric Chemistry and Physics*, **2021**, 21, 773-797	6.8	41
132	Gaseous chemistry and aerosol mechanism developments for version 3.5.1 of the online regional model, WRF-Chem. *Geoscientific Model Development*, **2014**, 7, 2557-2579	6.3	40
131	Methane emission from a wetland rice field as affected by salinity. *Plant and Soil*, **1995**, 170, 307-313	4.2	40
130	Modeling emissions for three-dimensional atmospheric chemistry transport models. *Journal of the Air and Waste Management Association*, **2018**, 68, 763-800	2.4	38
129	Megacity ozone air quality under four alternative future scenarios. *Atmospheric Chemistry and Physics*, **2012**, 12, 4413-4428	6.8	38
128	Multi-source SO₂ emission retrievals and consistency of satellite and surface measurements with reported emissions. *Atmospheric Chemistry and Physics*, **2017**, 17, 12597-12616	6.8	37
127	Spatial and temporal dynamics of methane emissions from agricultural sources in China. *Global Change Biology*, **2001**, 7, 31-47	11.4	37
126	The effect of afforestation on water recharge and nitrogen leaching in The Netherlands. *Forest Ecology and Management*, **2006**, 221, 170-182	3.9	34
125	Modelling the dispersion of particle numbers in five European cities. *Geoscientific Model Development*, **2016**, 9, 451-478	6.3	33
124	Simulating ultrafine particle formation in Europe using a regional CTM: contribution of primary emissions versus secondary formation to aerosol number concentrations. *Atmospheric Chemistry and Physics*, **2012**, 12, 8663-8677	6.8	32
123	Variations in tropospheric submicron particle size distributions across the European continent 2008–2009. *Atmospheric Chemistry and Physics*, **2014**, 14, 4327-4348	6.8	31
122	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. *Atmospheric Chemistry and Physics*, **2015**, 15, 2629-2649	6.8	31
121	Toward an Operational Anthropogenic CO2 Emissions Monitoring and Verification Support Capacity. *Bulletin of the American Meteorological Society*, **2020**, 101, E1439-E1451	6.1	29
120	TNO-MACC_II emission inventory: a multi-year (2003–2009) consistent high-resolution European emission inventory for air quality modelling		28
119	Atmospheric black carbon and warming effects influenced by the source and absorption enhancement in central Europe. *Atmospheric Chemistry and Physics*, **2014**, 14, 12683-12699	6.8	27

118	Lead emissions from road transport in Europe: a revision of current estimates using various estimation methodologies. *Science of the Total Environment*, **2009**, 407, 5367-72	10.2	26
117	Upscaling Regional Emissions of Greenhouse Gases from Rice Cultivation: Methods and Sources of Uncertainty. *Plant Ecology*, **2006**, 182, 89-106	1.7	26
116	Evaluation of anthropogenic air pollutant emission inventories for South America at national and city scale. *Atmospheric Environment*, **2020**, 235, 117606	5.3	25
115	Sea salt emission, transport and influence on size-segregated nitrate simulation: a case study in northwestern Europe by WRF-Chem. *Atmospheric Chemistry and Physics*, **2016**, 16, 12081-12097	6.8	25
114	Simulating the formation of carbonaceous aerosol in a European Megacity (Paris) during the MEGAPOLI summer and winter campaigns. *Atmospheric Chemistry and Physics*, **2016**, 16, 3727-3741	6.8	25
113	Evaluation of the performance of four chemical transport models in predicting the aerosol chemical composition in Europe in 2005. *Atmospheric Chemistry and Physics*, **2016**, 16, 6041-6070	6.8	24
112	Intercomparison of Magnitudes and Trends in Anthropogenic Surface Emissions From Bottom-Up Inventories, Top-Down Estimates, and Emission Scenarios. *Earth's Future*, **2020**, 8, e2020EF001520	7.9	23
111	Impact of residential combustion and transport emissions on air pollution in Santiago during winter. *Atmospheric Environment*, **2018**, 190, 195-208	5.3	23
110	Impact of emission changes on secondary inorganic aerosol episodes across Germany. *Atmospheric Chemistry and Physics*, **2013**, 13, 11675-11693	6.8	23
109	Evaluation of receptor and chemical transport models for PM10 source apportionment. *Atmospheric Environment: X*, **2020**, 5, 100053	2.8	23
108	A refinement of the emission data for Kola Peninsula based on inverse dispersion modelling. *Atmospheric Chemistry and Physics*, **2010**, 10, 10849-10865	6.8	22
107	Modelling the chemically aged and mixed aerosols over the eastern central Atlantic Ocean potential impacts. *Atmospheric Chemistry and Physics*, **2010**, 10, 5797-5822	6.8	22
106	Impacts of controlling biomass burning emissions on wintertime carbonaceous aerosol in Europe. *Atmospheric Environment*, **2014**, 87, 175-182	5.3	21
105	Ocean Atmosphere Interactions of Particles. *Springer Earth System Sciences*, **2014**, 171-246	0.3	21
104	Uncertainty analysis of a European high-resolution emission inventory of CO₂ and CO to support inverse modelling and network design. *Atmospheric Chemistry and Physics*, **2020**, 20, 1795-1816	6.8	20
103	Estimation of the Paris NO_{<i>x</i>} emissions from mobile MAX-DOAS observations and CHIMERE model simulations during the MEGAPOLI campaign using the closed integral method. *Atmospheric Chemistry and Physics*, **2017**, 17, 7853-7890	6.8	19
102	Changes in CH4 emission from rice fields From 1960 to 1990s: 2. The declining use of organic inputs in rice farming. *Global Biogeochemical Cycles*, **1999**, 13, 1053-1062	5.9	19
101	Impact of a future H 2 transportation on atmospheric pollution in Europe. *Atmospheric Environment* , **2015**, 113, 208-222	5.3	18

100	New Directions: GEIA's 2020 vision for better air emissions information. *Atmospheric Environment*, **2013**, 81, 710-712	5.3	18
99	Methane emissions in the Netherlands: The Groningen field. *Elementa*, **2018**, 6,	3.6	18
98	Dynamic model evaluation for secondary inorganic aerosol and its precursors over Europe between 1990 and 2009. *Geoscientific Model Development*, **2015**, 8, 1047-1070	6.3	17
97	Insights into the deterministic skill of air quality ensembles from the analysis of AQMEII data. *Atmospheric Chemistry and Physics*, **2016**, 16, 15629-15652	6.8	17
96	Source sector and region contributions to BC and PM_{2.5} in Central Asia. *Atmospheric Chemistry and Physics*, **2015**, 15, 1683-1705	6.8	17
95	Upscaling methane emissions from rice paddies: Problems and possibilities. *Global Biogeochemical Cycles*, **2002**, 16, 14-1-14-12	5.9	16
94	Sources of organic aerosols in Europe: a modeling study using CAMx with modified volatility basis set scheme. *Atmospheric Chemistry and Physics*, **2019**, 19, 15247-15270	6.8	16
93	Inter-comparison between HERMESv2.0 and TNO-MACC-II emission data using the CALIOPE air quality system (Spain). *Atmospheric Environment*, **2014**, 98, 134-145	5.3	15
92	Combining Upscaling and Downscaling of Methane Emissions from Rice Fields: Methodologies and Preliminary Results. *Nutrient Cycling in Agroecosystems*, **2000**, 58, 285-301	3.3	15
91	HTAP_v2: a mosaic of regional and global emission gridmaps for 2008 and 2010 to study hemispheric transport of air pollution		15
90	Interpreting continuous in-situ observations of carbon dioxide and carbon monoxide in the urban port area of Rotterdam. *Atmospheric Pollution Research*, **2017**, 8, 174-187	4.5	14
89	Evaluation of the size segregation of elemental carbon (EC) emission in Europe: influence on the simulation of EC long-range transportation. *Atmospheric Chemistry and Physics*, **2016**, 16, 1823-1835	6.8	13
88	Impact of inland shipping emissions on elemental carbon concentrations near waterways in The Netherlands. *Atmospheric Environment*, **2014**, 95, 1-9	5.3	13
87	Evaluating BC and NO_{<i>x</i>} emission inventories for the Paris region from MEGAPOLI aircraft measurements. *Atmospheric Chemistry and Physics*, **2015**, 15, 9799-9818	6.8	13
86	Anthropogenic Vanadium emissions to air and ambient air concentrations in North-West Europe. *E3S Web of Conferences*, **2013**, 1, 03004	0.5	13
85	Copernicus Atmosphere Monitoring Service TEMPOral profiles (CAMS-TEMPO): global and European emission temporal profile maps for atmospheric chemistry modelling. *Earth System Science Data*, **2021**, 13, 367-404	10.5	13
84	Effects of interpolation and data resolution on methane emission estimates from rice paddies. *Environmental and Ecological Statistics*, **2002**, 9, 5-26	2.2	12
83	Methane mapping, emission quantification, and attribution in two European cities: Utrecht (NL) and Hamburg (DE). *Atmospheric Chemistry and Physics*, **2020**, 20, 14717-14740	6.8	12

82	Particulate matter, air quality and climate: lessons learned and future needs		12
81	Variation of the NMVOC speciation in the solvent sector and the sensitivity of modelled tropospheric ozone. *Atmospheric Environment*, **2016**, 135, 59-72	5.3	12
80	Identifying key issues in environmental wetland research using scaling and uncertainty analysis. *Regional Environmental Change*, **2004**, 4, 100-106	4.3	11
79	Methane emissions from the Munich Oktoberfest. *Atmospheric Chemistry and Physics*, **2020**, 20, 3683-3698	6.8	10
78	Improving the modeling of road dust levels for Barcelona at urban scale and street level. *Atmospheric Environment*, **2016**, 125, 231-242	5.3	10
77	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
76	A multi-model approach to monitor emissions of CO₂ and CO from an urban–industrial complex. *Atmospheric Chemistry and Physics*, **2017**, 17, 13297-13316	6.8	9
75	Air pollution impacts due to petroleum extraction in the Norwegian Sea during the ACCESS aircraft campaign. *Elementa*, **2017**, 5,	3.6	9
74	Discrepancies Between Top-Down and Bottom-Up Emission Inventories of Megacities: The Causes and Relevance for Modeling Concentrations and Exposure. *NATO Science for Peace and Security Series C: Environmental Security*, **2011**, 199-204	0.3	9
73	Advancing global aerosol simulations with size-segregated anthropogenic particle number emissions. *Atmospheric Chemistry and Physics*, **2018**, 18, 10039-10054	6.8	9
72	Emissions of methane in Europe inferred by total column measurements. *Atmospheric Chemistry and Physics*, **2019**, 19, 3963-3980	6.8	8
71	A regional air quality forecasting system over Europe: the MACC-II daily ensemble production **2015**,		8
70	Quantifying burning efficiency in megacities using the NO₂:CO ratio from the Tropospheric Monitoring Instrument (TROPOMI). *Atmospheric Chemistry and Physics*, **2020**, 20, 10295-10310	6.8	8
69	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
68	Methane and ethane emission scenarios for potential shale gas production in Europe. *Advances in Geosciences*,45, 125-131		8
67	The consolidated European synthesis of CO₂ emissions and removals for the European Union and United Kingdom: 1990–2018. *Earth System Science Data*, **2021**, 13, 2363-2406	10.5	8
66	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. *Atmospheric Environment: X*, **2021**, 9, 100104	2.8	8
65	Particulate emissions from residential wood combustion in Europe – revised estimates and an evaluation		7

64	TNO_CAMS high resolution European emission inventory 2000–2014 for anthropogenic CO₂ and future years following two different pathways		7
63	Evaluating cloud properties in an ensemble of regional online coupled models against satellite observations. *Atmospheric Chemistry and Physics*, **2018**, 18, 15183-15199	6.8	7
62	Modelling ultrafine particle number concentrations at address resolution in Denmark from 1979 to 2018 - Part 2: Local and street scale modelling and evaluation. *Atmospheric Environment*, **2021**, 264, 118633	5.3	7
61	Natural sea-salt emissions moderate the climate forcing of anthropogenic nitrate. *Atmospheric Chemistry and Physics*, **2020**, 20, 771-786	6.8	6
60	New Directions: Cleaning the air: Will the European Commission's clean air policy package of December 2013 deliver?. *Atmospheric Environment*, **2014**, 91, 172-174	5.3	6
59	CAMS-REG-v4: a state-of-the-art high-resolution European emission inventory for air quality modelling. *Earth System Science Data*, **2022**, 14, 491-515	10.5	6
58	Oxidation of methane in the rhizosphere of rice plants **1996**, 22, 359		6
57	Inventory of country-specific emissions of engineered nanomaterials throughout the life cycle. *Environmental Science: Nano*, **2020**, 7, 3824-3839	7.1	6
56	Modelling ultrafine particle number concentrations at address resolution in Denmark from 1979-2018 – Part 1: Regional and urban scale modelling and evaluation. *Atmospheric Environment*, **2021**, 264, 118631	5.3	6
55	Evaluation of a three-dimensional chemical transport model (PMCAMx) in the European domain during the EUCAARI May 2008 campaign		5
54	Source sector and region contributions to BC and PM_{2.5} in Central Asia		5
53	Model calculations of the effects of present and future emissions of air pollutants from shipping in the Baltic Sea and the North Sea		5
52	The UrbEm Hybrid Method to Derive High-Resolution Emissions for City-Scale Air Quality Modeling. *Atmosphere*, **2021**, 12, 1404	2.7	5
51	Disease burden and excess mortality from coal-fired power plant emissions in Europe. *Environmental Research Letters*, **2021**, 16, 045010	6.2	5
50	Future European shale gas life-cycle GHG emissions for electric power generation in comparison to other fossil fuels. *Carbon Management*, **2019**, 10, 163-174	3.3	4
49	Emission scenarios of a potential shale gas industry in Germany and the United Kingdom. *Elementa*, **2019**, 7,	3.6	4
48	In-situ, satellite measurement and model evidence for a~dominant regional contribution to fine particulate matter levels in the Paris Megacity		4
47	Global anthropogenic CO₂ emissions and uncertainties as prior for Earth system modelling and data assimilation		4

46	The CO2 Human Emissions (CHE) Project: First Steps Towards a European Operational Capacity to Monitor Anthropogenic CO2 Emissions. *Frontiers in Remote Sensing*, **2021**, 2,	1	4
45	Global anthropogenic CO₂ emissions and uncertainties as a prior for Earth system modelling and data assimilation. *Earth System Science Data*, **2021**, 13, 5311-5335	10.5	3
44	Time-resolved emission reductions for atmospheric chemistry modelling in Europe during the COVID-19 lockdowns		3
43	Linking climate and air quality over Europe: effects of meteorology on PM_{2.5} concentrations		3
42	Organic aerosol concentration and composition over Europe: insights from comparison of regional model predictions with aerosol mass spectrometer factor analysis		3
41	Simulating the formation of carbonaceous aerosol in a European Megacity (Paris) during the MEGAPOLI summer and winter campaigns		3
40	CAMS-REG-v4: a state-of-the-art high-resolution European emission inventory for air quality modelling		3
39	Interception and Water Recharge Following Afforestation: Experiences from Oak and Norway Spruce Chronosequences in Denmark, Sweden and The Netherlands **2007**, 53-77		3
38	Nitrogen Deposition and Nitrate Leaching Following Afforestation: Experiences from Oak and Norway Spruce Chronosequences in Denmark, Sweden and the Netherlands **2007**, 79-108		3
37	Curriculum Vitae of the LOTOS-EUROS (v2.0) chemistry transport model **2017**,		2
36	Estimation of Regional Methane Emission from Rice Fields Using Simple Atmospheric Diffusion Models. *Nutrient Cycling in Agroecosystems*, **2000**, 58, 303-310	3.3	2
35	Working group report How should the uncertainties in the results of scaling be investigated and decreased?. *Developments in Atmospheric Science*, **1999**, 24, 299-313		2
34	Supplementary material to "Time-resolved emission reductions for atmospheric chemistry modelling in Europe during the COVID-19 lockdowns"		2
33	Response of secondary inorganic aerosol concentrations and deposition fluxes of S and N across Germany to emission changes during high PM₁₀ episodes in spring 2009		2
32	Variations in tropospheric submicron particle size distributions across the European continent 2008–2009		2
31	Evaluating BC and NO_x emission inventories for the Paris region from MEGAPOLI aircraft measurements		2
30	CAMS-TEMPO: global and European emission temporal profile maps for atmospheric chemistry modelling		2
29	The consolidated European synthesis of CO₂ emissions and removals for EU27 and UK: 1990–2018		2

28	Optimizing a dynamic fossil fuel CO₂ emission model with CTDAS (CarbonTracker Data Assimilation Shell, v1.0) for an urban area using atmospheric observations of CO₂, CO, NO_{<i>x</i>}, and SO₂. *Geoscientific Model Development*, **2020**, 13, 2695-2721	6.3	2
27	Gaseous chemistry and aerosol mechanism developments for version 3.5.1 of the online regional model, WRF-Chem		2
26	High resolution inventory of atmospheric emissions from transport, industrial, energy, mining and residential sectors of Chile		2
25	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
24	Sea salt emission, transportation and influence on nitrate simulation: a case study in Europe **2016**,		1
23	A multi-model approach to monitor emissions of CO₂ and CO in an urban-industrial complex **2016**,		1
22	Dynamic model evaluation for secondary inorganic aerosol and its precursors over Europe between 1990 and 2009 **2014**,		1
21	Soil parameters controlling methane emission from rice paddies. *Studies in Environmental Science*, **1995**, 607-610		1
20	Decadal Variabilities in Tropospheric Nitrogen Oxides Over United States, Europe, and China. *Journal of Geophysical Research D: Atmospheres*, **2022**, 127, e2021JD035872	4.4	1
19	High-resolution inventory of atmospheric emissions from transport, industrial, energy, mining and residential activities in Chile. *Earth System Science Data*, **2022**, 14, 361-379	10.5	1
18	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
17	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
16	Modelling the Dispersion of Particle Numbers in Five European Cities. *Springer Proceedings in Complexity*, **2016**, 415-418	0.3	1
15	Simulating Ultrafine Particle Formation in Europe Using a Regional CTM: Contribution of Primary Emissions Versus Secondary Formation to Aerosol Number Concentrations. *Springer Atmospheric Sciences*, **2013**, 951-957	0.7	1
14	Evaluation of size segregation of elemental carbon emission in Europe: influence on atmospheric long-range transportation		1
13	A pragmatic protocol for characterising errors in atmospheric inversions of methane emissions over Europe. *Tellus, Series B: Chemical and Physical Meteorology*, **2021**, 73, 1-23	3.3	1
12	Spatial distribution of residential wood combustion emissions in the Nordic countries: How well national inventories represent local emissions?. *Atmospheric Environment*, **2021**, 264, 118712	5.3	1
11	Global nature run data with realistic high-resolution carbon weather for the year of the Paris Agreement.. *Scientific Data*, **2022**, 9, 160	8.2	1

10	Combining upscaling and downscaling of methane emissions from rice fields: methodologies and preliminary results **2000**, 285-301		0
9	Analysis of the Anthropogenic and Biogenic NOx Emissions Over 2008–2017: Assessment of the Trends in the 30 Most Populated Urban Areas in Europe. *Geophysical Research Letters*, **2021**, 48, e2020GL092206	4.8	0
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