

The EMEP MSC-W chemical transport model “techni

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Citation Report

#	ARTICLE	IF	CITATIONS
6	International collaboration for technological change in the 21st century. <i>International Journal of Technology Management</i> , 1999, 18, 285.	0.2	7
7	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.	1.9	278
8	Air quality trends in Europe over the past decade: a first multi-model assessment. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11657-11678.	1.9	164
9	A multi-model study of impacts of climate change on surface ozone in Europe. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10423-10440.	1.9	113
10	Future air quality in Europe: a multi-model assessment of projected exposure to ozone. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10613-10630.	1.9	81
11	Crop harvest in Denmark and Central Europe contributes to the local load of airborne <i>Alternaria</i> spore concentrations in Copenhagen. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 11107-11123.	1.9	70
12	Lessons learnt from the first EMEP intensive measurement periods. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8073-8094.	1.9	58
13	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.	1.9	193
14	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.	1.9	52
15	Governing processes for reactive nitrogen compounds in the European atmosphere. <i>Biogeosciences</i> , 2012, 9, 4921-4954.	1.3	77
16	A model for simulating the timelines of field operations at a European scale for use in complex dynamic models. <i>Biogeosciences</i> , 2012, 9, 4487-4496.	1.3	22
17	Towards the use of dynamic growing seasons in a chemical transport model. <i>Biogeosciences</i> , 2012, 9, 5161-5179.	1.3	6
18	Air quality modelling, simulation, and computational methods: a review. <i>Environmental Reviews</i> , 2013, 21, 149-179.	2.1	48
19	Air Pollution Risks to Northern European Forests in a Changing Climate. <i>Developments in Environmental Science</i> , 2013, , 77-99.	0.5	16
20	Modelling future impacts of air pollution using the multi-scale UK Integrated Assessment Model (UKIAM). <i>Environment International</i> , 2013, 61, 17-35.	4.8	48
21	Investigating the impacts of anthropogenic and biogenic VOC emissions and elevated temperatures during the 2003 ozone episode in the UK. <i>Atmospheric Environment</i> , 2013, 74, 393-401.	1.9	17
22	Health burdens of surface ozone in the UK for a range of future scenarios. <i>Environment International</i> , 2013, 61, 36-44.	4.8	67
23	Ammonia Emissions in Europe. <i>Handbook of Environmental Chemistry</i> , 2013, , 141-163.	0.2	3

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24	Assessing interim objectives for acidification, eutrophication and ground-level ozone of the EU National Emission Ceilings Directive with 2001 and 2012 knowledge. <i>Atmospheric Environment</i> , 2013, 75, 129-140.	1.9	24
26	Comparison of tropospheric NO <sub>x</sub> vertical columns in an urban environment using satellite, multi-axis differential optical absorption spectroscopy, and in situ measurements. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 2907-2924.	1.2	12
27	European atmosphere in 2050, a regional air quality and climate perspective under CMIP5 scenarios. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7451-7471.	1.9	87
28	Impact of the vertical emission profiles on background gas-phase pollution simulated from the EMEP emissions over Europe. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 5987-5998.	1.9	28
29	The effect of climate and climate change on ammonia emissions in Europe. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 117-128.	1.9	83
30	Scorched Earth: how will changes in the strength of the vegetation sink to ozone deposition affect human health and ecosystems?. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6741-6755.	1.9	43
31	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.	1.9	51
32	Measurement error in time-series analysis: a simulation study comparing modelled and monitored data. <i>BMC Medical Research Methodology</i> , 2013, 13, 136.	1.4	25
33	Assessment of the total, stomatal, cuticular, and soil 24-hourly ozone budgets of an agricultural field with winter wheat and maize crops. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 1120-1132.	1.3	21
34	Advances in understanding, models and parameterizations of biosphere-atmosphere ammonia exchange. <i>Biogeosciences</i> , 2013, 10, 5183-5225.	1.3	116
35	A new top boundary condition for modeling surface diffusive exchange of a generic volatile tracer: theoretical analysis and application to soil evaporation. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 873-893.	1.9	51
36	Have ozone effects on carbon sequestration been overestimated? A new biomass response function for wheat. <i>Biogeosciences</i> , 2014, 11, 4521-4528.	1.3	17
37	Simulation of tropospheric chemistry and aerosols with the climate model EC-Earth. <i>Geoscientific Model Development</i> , 2014, 7, 2435-2475.	1.3	62
38	An evaluation of ambient ammonia concentrations over southern Ontario simulated with different dry deposition schemes within STILT-Chem v0.8. <i>Geoscientific Model Development</i> , 2014, 7, 1037-1050.	1.3	8
39	Can further mitigation of ammonia emissions reduce exceedances of particulate matter air quality standards?. <i>Environmental Science and Policy</i> , 2014, 44, 149-163.	2.4	50
40	Seasonal ozone uptake by a warm-temperate mixed deciduous and evergreen broadleaf forest in western Japan estimated by the Penman-Monteith approach combined with a photosynthesis-dependent stomatal model. <i>Environmental Pollution</i> , 2014, 184, 457-463.	3.7	14
41	Analysis of UK and European NO <sub>x</sub> and VOC emission scenarios in the Defra model intercomparison exercise. <i>Atmospheric Environment</i> , 2014, 94, 249-257.	1.9	8
42	A fully integrated isoprenoid emissions model coupling emissions to photosynthetic characteristics. <i>Plant, Cell and Environment</i> , 2014, 37, 1965-1980.	2.8	64

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43	Estimation of the long-range transport contribution from secondary inorganic components to urban background PM <sub>10</sub> concentrations in south-western Sweden during 1986–2010. <i>Atmospheric Environment</i> , 2014, 89, 93-101.	1.9	14
44	Spatio-temporal trends of nitrogen deposition and climate effects on Sphagnum productivity in European peatlands. <i>Environmental Pollution</i> , 2014, 187, 73-80.	3.7	20
45	A more cost-effective geomatic approach to modelling PM <sub>10</sub> dispersion across Europe. <i>Applied Geography</i> , 2014, 55, 108-116.	1.7	7
46	Differences in the Spatial Distribution and Chemical Composition of PM <sub>10</sub> Between the UK and Poland. <i>Environmental Modeling and Assessment</i> , 2014, 19, 179-192.	1.2	18
47	Ragweed pollen source inventory for France – The second largest centre of Ambrosia in Europe. <i>Atmospheric Environment</i> , 2014, 83, 62-71.	1.9	50
48	Nitrogen deposition in Spain: Modeled patterns and threatened habitats within the Natura 2000 network. <i>Science of the Total Environment</i> , 2014, 485-486, 450-460.	3.9	49
49	Retrospective modeling outdoor air pollution at a fine spatial scale in France, 1989–2008. <i>Atmospheric Environment</i> , 2014, 92, 267-279.	1.9	24
50	Nitrogen deposition and exceedance of critical loads for nutrient nitrogen in Irish grasslands. <i>Science of the Total Environment</i> , 2014, 470-471, 216-223.	3.9	28
51	Mapping correlations between nitrogen concentrations in atmospheric deposition and mosses for natural landscapes in Europe. <i>Ecological Indicators</i> , 2014, 36, 563-571.	2.6	36
52	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.	1.9	103
53	Uncertainties in assessing the environmental impact of amine emissions from a CO <sub>2</sub> capture plant. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 8533-8557.	1.9	23
54	Biogenic SOA formation through gas-phase oxidation and gas-to-particle partitioning – a comparison between process models of varying complexity. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 11853-11869.	1.9	12
55	Biotic stress: a significant contributor to organic aerosol in Europe?. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13643-13660.	1.9	40
56	Modelling NO <sub>2</sub> concentrations at the street level in the GAINS integrated assessment model: projections under current legislation. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 813-829.	1.9	53
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58	Sensitivity of air pollution simulations with LOTOS-EUROS to the temporal distribution of anthropogenic emissions. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 939-955.	1.9	49
59	Factors controlling temporal variability of near-ground atmospheric O <sub>3</sub> concentration over central Europe. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 9567-9581.	1.9	18
60	Mean annual population exposure to atmospheric particulate matter in Poland. <i>International Journal of Environment and Pollution</i> , 2015, 58, 89.	0.2	1

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66	Trends and drivers of ozone human health and vegetation impact metrics from UK EMEP supersite measurements (1990–2013). Atmospheric Chemistry and Physics, 2015, 15, 4025-4042.	1.9	24
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81	MATCH-SALSA “ Multi-scale Atmospheric Transport and CHEMistry model coupled to the SALSA aerosol microphysics model “ Part 1: Model description and evaluation. <i>Geoscientific Model Development</i> , 2015, 8, 171-189.	1.3	46
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88	Review and Integration of Biosphere-Atmosphere Modelling of Reactive Trace Gases and Volatile Aerosols. , 2015, , .		1
89	Modelling atmospheric oxidation of 2-aminoethanol (MEA) emitted from post-combustion capture using WRF“Chem. <i>Science of the Total Environment</i> , 2015, 527-528, 185-202.	3.9	21
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105	A process-based model for ammonia emission from urine patches, GAG (Generation of Ammonia from) Tj ETQq0 0 Q rrgBT /Overlock 10 T	1.3	11
107	Ozone air quality simulations with WRF-Chem (v3.5.1) over Europe: model evaluation and chemical mechanism comparison. <i>Geoscientific Model Development</i> , 2016, 9, 3699-3728.	1.3	73
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126	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.	1.9	34
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139	Foliar and soil concentrations and stoichiometry of nitrogen and phosphorous across European <i>Pinus sylvestris</i> forests: relationships with climate, N deposition and tree growth. <i>Functional Ecology</i> , 2016, 30, 676-689.	1.7	99
140	Ammonia emission time profiles based on manure transport data improve ammonia modelling across north western Europe. <i>Atmospheric Environment</i> , 2016, 131, 83-96.	1.9	36
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144	Spatial interpolation of N concentrations and $\delta^{15}N$ values in the moss <i>Hypnum cupressiforme</i> collected in the forests of Slovenia. <i>Ecological Indicators</i> , 2016, 61, 366-377.	2.6	8
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156	Predicting Air Pollution in East Asia. , 2017, , 387-403.		1
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159	Modelling long-term impacts of changes in climate, nitrogen deposition and ozone exposure on carbon sequestration of European forest ecosystems. <i>Science of the Total Environment</i> , 2017, 605-606, 1097-1116.	3.9	40
160	The contribution of nitrogen deposition to the eutrophication signal in understorey plant communities of European forests. <i>Ecology and Evolution</i> , 2017, 7, 214-227.	0.8	41
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602	Modeling nitrogen deposition in global forests. , 2024, , 39-55.		0
604	Monitoring nitrogen deposition in global forests. , 2024, , 17-38.		0