

Yves Balkanski

List of Publications by Year in descending order

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139
papers

23,661
citations

18436

62
h-index

10424

139
g-index

220
all docs

220
docs citations

220
times ranked

16663
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic aerosol and global climate modelling: a review. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 1053-1123.	1.9	2,947
2	Climate change projections using the IPSL-CM5 Earth System Model: from CMIP3 to CMIP5. <i>Climate Dynamics</i> , 2013, 40, 2123-2165.	1.7	1,425
3	Analysis and quantification of the diversities of aerosol life cycles within AeroCom. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 1777-1813.	1.9	1,202
4	The aerosol-climate model ECHAM5-HAM. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 1125-1156.	1.9	990
5	Global dust model intercomparison in AeroCom phase I. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7781-7816.	1.9	839
6	Radiative forcing of the direct aerosol effect from AeroCom Phase II simulations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1853-1877.	1.9	779
7	A review of measurement-based assessments of the aerosol direct radiative effect and forcing. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 613-666.	1.9	745
8	An AeroCom initial assessment of optical properties in aerosol component modules of global models. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 1815-1834.	1.9	697
9	Radiative forcing by aerosols as derived from the AeroCom present-day and pre-industrial simulations. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 5225-5246.	1.9	633
10	Dust sources and deposition during the last glacial maximum and current climate: A comparison of model results with paleodata from ice cores and marine sediments. <i>Journal of Geophysical Research</i> , 1999, 104, 15895-15916.	3.3	595
11	Evaluation of black carbon estimations in global aerosol models. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 9001-9026.	1.9	585
12	Presentation and Evaluation of the IPSL-CM6A-ER Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002010.	1.3	541
13	Global connections between aeolian dust, climate and ocean biogeochemistry at the present day and at the last glacial maximum. <i>Earth-Science Reviews</i> , 2010, 99, 61-97.	4.0	484
14	Aerosol indirect effects in general circulation model intercomparison and evaluation with satellite data. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 8697-8717.	1.9	418
15	Radiative forcing in the ACCMIP historical and future climate simulations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2939-2974.	1.9	395
16	Reevaluation of Mineral aerosol radiative forcings suggests a better agreement with satellite and AERONET data. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 81-95.	1.9	393
17	Recent progress in understanding physical and chemical properties of African and Asian mineral dust. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8231-8256.	1.9	367
18	The AeroCom evaluation and intercomparison of organic aerosol in global models. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10845-10895.	1.9	363

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19	Transport and residence times of tropospheric aerosols inferred from a global three-dimensional simulation of ²¹⁰ Pb. <i>Journal of Geophysical Research</i> , 1993, 98, 20573-20586.	3.3	325
20	Transport impacts on atmosphere and climate: Land transport. <i>Atmospheric Environment</i> , 2010, 44, 4772-4816.	1.9	285
21	Evaluation and intercomparison of global atmospheric transport models using ²²² Rn and other short-lived tracers. <i>Journal of Geophysical Research</i> , 1997, 102, 5953-5970.	3.3	267
22	Global modeling of heterogeneous chemistry on mineral aerosol surfaces: Influence on tropospheric ozone chemistry and comparison to observations. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	231
23	The effect of harmonized emissions on aerosol properties in global models – an AeroCom experiment. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4489-4501.	1.9	228
24	Black carbon vertical profiles strongly affect its radiative forcing uncertainty. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2423-2434.	1.9	223
25	The contribution of China's emissions to global climate forcing. <i>Nature</i> , 2016, 531, 357-361.	13.7	214
26	Significant contribution of combustion-related emissions to the atmospheric phosphorus budget. <i>Nature Geoscience</i> , 2015, 8, 48-54.	5.4	207
27	Photoenhanced uptake of NO ₂ on mineral dust: Laboratory experiments and model simulations. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	200
28	Long-term measurements of carbonaceous aerosols in the Eastern Mediterranean: evidence of long-range transport of biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5551-5563.	1.9	170
29	Application of the CALIOP layer product to evaluate the vertical distribution of aerosols estimated by global models: AeroCom phase I results. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	170
30	Change in global aerosol composition since preindustrial times. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 5143-5162.	1.9	168
31	Influence of the source formulation on modeling the atmospheric global distribution of sea salt aerosol. <i>Journal of Geophysical Research</i> , 2001, 106, 27509-27524.	3.3	167
32	A global model simulation of present and future nitrate aerosols and their direct radiative forcing of climate. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 11031-11063.	1.9	167
33	A new data set of soil mineralogy for dust-cycle modeling. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3801-3816.	1.9	166
34	Role of aerosol size distribution and source location in a three-dimensional simulation of a Saharan dust episode tested against satellite-derived optical thickness. <i>Journal of Geophysical Research</i> , 1998, 103, 10579-10592.	3.3	162
35	Global forest carbon uptake due to nitrogen and phosphorus deposition from 1850 to 2100. <i>Global Change Biology</i> , 2017, 23, 4854-4872.	4.2	158
36	Aerosol and ozone changes as forcing for climate evolution between 1850 and 2100. <i>Climate Dynamics</i> , 2013, 40, 2223-2250.	1.7	157

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37	Modelled black carbon radiative forcing and atmospheric lifetime in AeroCom Phase II constrained by aircraft observations. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12465-12477.	1.9	157
38	Exposure to ambient black carbon derived from a unique inventory and high-resolution model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2459-2463.	3.3	148
39	Estimates of global multicomponent aerosol optical depth and direct radiative perturbation in the Laboratoire de Météorologie Dynamique general circulation model. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	144
40	Radiative forcing of climate by ice-age atmospheric dust. <i>Climate Dynamics</i> , 2003, 20, 193-202.	1.7	142
41	Seasonal and interannual variability of the mineral dust cycle under present and glacial climate conditions. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 2-1.	3.3	138
42	Contribution of the world's main dust source regions to the global cycle of desert dust. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8169-8193.	1.9	126
43	Aerosol-ozone correlations during dust transport episodes. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 1201-1215.	1.9	123
44	Ice-free glacial northern Asia due to dust deposition on snow. <i>Climate Dynamics</i> , 2006, 27, 613-625.	1.7	117
45	Trend in Global Black Carbon Emissions from 1960 to 2007. <i>Environmental Science & Technology</i> , 2014, 48, 6780-6787.	4.6	114
46	A comparison of scavenging and deposition processes in global models: results from the WCRP Cambridge Workshop of 1995. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2000, 52, 1025-1056.	0.8	113
47	Uncertainties in assessing radiative forcing by mineral dust. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 50, 491.	0.8	111
48	Complex refractive indices and single-scattering albedo of global dust aerosols in the shortwave spectrum and relationship to size and iron content. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 15503-15531.	1.9	108
49	Uncertainties in assessing radiative forcing by mineral dust. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1998, 50, 491-505.	0.8	101
50	Three-dimensional transport and concentration of SF ₆ . A model intercomparison study (TransCom 2). <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1999, 51, 266-297.	0.8	101
51	AeroCom phase III multi-model evaluation of the aerosol life cycle and optical properties using ground- and space-based remote sensing as well as surface in situ observations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 87-128.	1.9	96
52	Implementation of the CMIP6 Forcing Data in the IPSL-CM6A-CLM Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001940.	1.3	95
53	Global scale variability of the mineral dust long-wave refractive index: a new dataset of in situ measurements for climate modeling and remote sensing. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1901-1929.	1.9	91
54	Three-dimensional transport and concentration of SF ₆ ; A model intercomparison study (TransCom 2). <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 51, 266.	0.8	88

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55	An AeroCom assessment of black carbon in Arctic snow and sea ice. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 2399-2417.	1.9	86
56	Improving the seasonal cycle and interannual variations of biomass burning aerosol sources. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 1211-1222.	1.9	85
57	Sources, transport and deposition of iron in the global atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6247-6270.	1.9	85
58	Aerosol optical depths and direct radiative perturbations by species and source type. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	82
59	Snow cover sensitivity to black carbon deposition in the Himalayas: from atmospheric and ice core measurements to regional climate simulations. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4237-4249.	1.9	80
60	Evaluation of the aerosol vertical distribution in global aerosol models through comparison against CALIOP measurements: AeroCom phase II results. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7254-7283.	1.2	80
61	A comparison of scavenging and deposition processes in global models: results from the WCRP Cambridge Workshop of 1995. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 1025.	0.8	78
62	Direct radiative effect of aerosols emitted by transport: from road, shipping and aviation. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4477-4489.	1.9	78
63	Sea-salt aerosol source functions and emissions. <i>Advances in Global Change Research</i> , 2004, , 333-359.	1.6	78
64	Evaluation of observed and modelled aerosol lifetimes using radioactive tracers of opportunity and an ensemble of 19 global models. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3525-3561.	1.9	75
65	Global carbon emissions from biomass burning in the 20th century. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	1.5	72
66	Wet deposition in a global size-dependent aerosol transport model: 1. Comparison of a 1 year ²¹⁰ Pb simulation with ground measurements. <i>Journal of Geophysical Research</i> , 1998, 103, 11429-11445.	3.3	71
67	Estimation of global black carbon direct radiative forcing and its uncertainty constrained by observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5948-5971.	1.2	66
68	Spectral- and size-resolved mass absorption efficiency of mineral dust aerosols in the shortwave spectrum: a simulation chamber study. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7175-7191.	1.9	66
69	Improved representation of the global dust cycle using observational constraints on dust properties and abundance. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8127-8167.	1.9	65
70	Assimilation of POLDER aerosol optical thickness into the LMDz-INCA model: Implications for the Arctic aerosol burden. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	64
71	Monthly-averaged anthropogenic aerosol direct radiative forcing over the Mediterranean based on AERONET aerosol properties. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 6995-7014.	1.9	64
72	Distribution of ²²² Rn over the north Pacific: Implications for continental influences. <i>Journal of Atmospheric Chemistry</i> , 1992, 14, 353-374.	1.4	63

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73	Intercomparison of radiative forcing calculations of stratospheric water vapour and contrails. <i>Meteorologische Zeitschrift</i> , 2009, 18, 585-596.	0.5	63
74	Imprint of North-Atlantic abrupt climate changes on western European loess deposits as viewed in a dust emission model. <i>Quaternary Science Reviews</i> , 2009, 28, 2851-2866.	1.4	61
75	Soot microphysical effects on liquid clouds, a multi-model investigation. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1051-1064.	1.9	58
76	Aerosols at the poles: an AeroCom Phase II multi-model evaluation. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12197-12218.	1.9	58
77	Spatially explicit analysis identifies significant potential for bioenergy with carbon capture and storage in China. <i>Nature Communications</i> , 2021, 12, 3159.	5.8	58
78	Wildfires in northern Eurasia affect the budget of black carbon in the Arctic – a 12-year retrospective synopsis (2002–2013). <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7587-7604.	1.9	56
79	Wet deposition in a global size-dependent aerosol transport model: 2. Influence of the scavenging scheme on ²¹⁰ Pb vertical profiles, surface concentrations, and deposition. <i>Journal of Geophysical Research</i> , 1998, 103, 28875-28891.	3.3	55
80	Resuspension and atmospheric transport of radionuclides due to wildfires near the Chernobyl Nuclear Power Plant in 2015: An impact assessment. <i>Scientific Reports</i> , 2016, 6, 26062.	1.6	54
81	Modeling the biogeochemical impact of atmospheric phosphate deposition from desert dust and combustion sources to the Mediterranean Sea. <i>Biogeosciences</i> , 2018, 15, 2499-2524.	1.3	49
82	Direct Radiative Effect by Mineral Dust Aerosols Constrained by New Microphysical and Spectral Optical Data. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086186.	1.5	49
83	Retrieving the effective radius of Saharan dust coarse mode from AIRS. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	47
84	Quantifying the range of the dust direct radiative effect due to source mineralogy uncertainty. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3973-4005.	1.9	47
85	Modeling dust emission response to North Atlantic millennial-scale climate variations from the perspective of East European MIS 3 loess deposits. <i>Climate of the Past</i> , 2013, 9, 1385-1402.	1.3	46
86	Modeling the impacts of atmospheric deposition of nitrogen and desert dust-derived phosphorus on nutrients and biological budgets of the Mediterranean Sea. <i>Progress in Oceanography</i> , 2018, 163, 21-39.	1.5	46
87	ESD Reviews: Climate feedbacks in the Earth system and prospects for their evaluation. <i>Earth System Dynamics</i> , 2019, 10, 379-452.	2.7	46
88	Reconstructing the Chernobyl Nuclear Power Plant (CNPP) accident 30 years after. A unique database of air concentration and deposition measurements over Europe. <i>Environmental Pollution</i> , 2016, 216, 408-418.	3.7	45
89	Jury is still out on the radiative forcing by black carbon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5092-3.	3.3	43
90	Ocean primary production derived from satellite data: An evaluation with atmospheric oxygen measurements. <i>Global Biogeochemical Cycles</i> , 1999, 13, 257-271.	1.9	42

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91	Modeling the climate impact of road transport, maritime shipping and aviation over the period 1860–2100 with an AOGCM. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1449-1480.	1.9	41
92	Wildfires in Chernobyl-contaminated forests and risks to the population and the environment: A new nuclear disaster about to happen?. <i>Environment International</i> , 2014, 73, 346-358.	4.8	41
93	Fire evolution in the radioactive forests of Ukraine and Belarus: future risks for the population and the environment. <i>Ecological Monographs</i> , 2015, 85, 49-72.	2.4	41
94	Influence of anthropogenic aerosol deposition on the relationship between oceanic productivity and warming. <i>Geophysical Research Letters</i> , 2015, 42, 10745-10754.	1.5	40
95	Sensitivity of direct radiative forcing by mineral dust to particle characteristics. <i>Progress in Physical Geography</i> , 2009, 33, 80-102.	1.4	39
96	Global and local cancer risks after the Fukushima Nuclear Power Plant accident as seen from Chernobyl: A modeling study for radiocaesium (¹³⁴ Cs & ¹³⁷ Cs). <i>Environment International</i> , 2014, 64, 17-27.	4.8	39
97	European glacial dust deposits: Geochemical constraints on atmospheric dust cycle modeling. <i>Geophysical Research Letters</i> , 2014, 41, 7666-7674.	1.5	38
98	Global Transport and Deposition of ¹³⁷ Cs Following the Fukushima Nuclear Power Plant Accident in Japan: Emphasis on Europe and Asia Using High-Resolution Model Versions and Radiological Impact Assessment of the Human Population and the Environment Using Interactive Tools. <i>Environmental Science & Technology</i> , 2013, 47, 5803-5812.	4.6	37
99	Transport of continental air to the subantarctic Indian Ocean. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 42, 62.	0.8	34
100	Simulations of the transport and deposition of ¹³⁷ Cs over Europe after the Chernobyl Nuclear Power Plant accident: influence of varying emission-altitude and model horizontal and vertical resolution. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7183-7198.	1.9	33
101	Short-lived climate forcers have long-term climate impacts via the carbon-climate feedback. <i>Nature Climate Change</i> , 2020, 10, 851-855.	8.1	31
102	Global Emissions of Mineral Aerosol: Formulation and Validation using Satellite Imagery. <i>Advances in Global Change Research</i> , 2004, , 239-267.	1.6	30
103	A new method for evaluating the impact of vertical distribution on aerosol radiative forcing in general circulation models. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 877-897.	1.9	29
104	Interaction of mineral dust with gas phase nitric acid and sulfur dioxide during the MINATROC II field campaign: First estimate of the uptake coefficient Γ^{HNO_3} from atmospheric data. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	28
105	Increased Global Land Carbon Sink Due to Aerosol-Induced Cooling. <i>Global Biogeochemical Cycles</i> , 2019, 33, 439-457.	1.9	27
106	Daily black carbon emissions from fires in northern Eurasia for 2002–2015. <i>Geoscientific Model Development</i> , 2016, 9, 4461-4474.	1.3	27
107	Boreal and temperate snow cover variations induced by black carbon emissions in the middle of the 21st century. <i>Cryosphere</i> , 2013, 7, 537-554.	1.5	25
108	Daily CO2 Emission Reduction Indicates the Control of Activities to Contain COVID-19 in China. <i>Innovation(China)</i> , 2020, 1, 100062.	5.2	25

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109	Aerosol-Climate Interactions During the Last Glacial Maximum. <i>Current Climate Change Reports</i> , 2018, 4, 99-114.	2.8	24
110	Modelling the direct effect of aerosols in the solar near-infrared on a planetary scale. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 3211-3229.	1.9	23
111	Radiative forcing estimates of sulfate aerosol in coupled climate-chemistry models with emphasis on the role of the temporal variability. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5583-5602.	1.9	22
112	Inverse modeling of the Chernobyl source term using atmospheric concentration and deposition measurements. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8805-8824.	1.9	22
113	10-year satellite-constrained fluxes of ammonia improve performance of chemistry transport models. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4431-4451.	1.9	21
114	Transport of continental air to the subantarctic Indian Ocean. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1990, 42, 62-75.	0.8	20
115	Evaluation of natural aerosols in CRESCENDO Earth system models (ESMs): mineral dust. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10295-10335.	1.9	20
116	Sulfur and nitrogen levels in the North Atlantic Ocean's atmosphere: A synthesis of field and modeling results. <i>Global Biogeochemical Cycles</i> , 1992, 6, 77-100.	1.9	19
117	Spatial Representativeness Error in the Ground-Level Observation Networks for Black Carbon Radiation Absorption. <i>Geophysical Research Letters</i> , 2018, 45, 2106-2114.	1.5	18
118	Simulating CH ₄ and CO ₂ over South and East Asia using the zoomed chemistry transport model LMDz-INCA. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 9475-9497.	1.9	18
119	Corrigendum to "Evaluation of black carbon estimations in global aerosol models" published in <i>Atmos. Chem. Phys.</i> , 9, 9001-9026, 2009. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 79-81.	1.9	17
120	Impact of Multiscale Variability on Last 6,000 Years Indian and West African Monsoon Rain. <i>Geophysical Research Letters</i> , 2019, 46, 14021-14029.	1.5	16
121	Predicting the effect of confinement on the COVID-19 spread using machine learning enriched with satellite air pollution observations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	16
122	The contributions of individual countries and regions to the global radiative forcing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
123	Importance of the Source Term and of the Size Distribution to Model the Mineral Dust Cycle. <i>Environmental Science and Technology Library</i> , 1996, , 69-76.	0.1	14
124	Influence of two atmospheric transport models on inferring sources and sinks of atmospheric CO ₂ . <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1996, 48, 568-582.	0.8	12
125	How "lucky" we are that the Fukushima disaster occurred in early spring. <i>Science of the Total Environment</i> , 2014, 500-501, 155-172.	3.9	11
126	Influence of two atmospheric transport models on inferring sources and sinks of atmospheric CO ₂ . <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1996, 48, 568-582.	0.8	10

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127	Global deposition and transport efficiencies of radioactive species with respect to modelling credibility after Fukushima (Japan, 2011). <i>Journal of Environmental Radioactivity</i> , 2015, 149, 164-175.	0.9	10
128	Missed atmospheric organic phosphorus emitted by terrestrial plants, part 2: Experiment of volatile phosphorus. <i>Environmental Pollution</i> , 2020, 258, 113728.	3.7	10
129	Impact of dust in PMIP-CMIP6 mid-Holocene simulations with the IPSL model. <i>Climate of the Past</i> , 2021, 17, 1091-1117.	1.3	10
130	Better representation of dust can improve climate models with too weak an African monsoon. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11423-11435.	1.9	10
131	Cloudy-sky contributions to the direct aerosol effect. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8855-8865.	1.9	8
132	Modelling the mineralogical composition and solubility of mineral dust in the Mediterranean area with CHIMERE 2017r4. <i>Geoscientific Model Development</i> , 2020, 13, 2051-2071.	1.3	7
133	Wetter environment and increased grazing reduced the area burned in northern Eurasia from 2002 to 2016. <i>Biogeosciences</i> , 2021, 18, 2559-2572.	1.3	7
134	Climate model calculations of the impact of aerosols from road transport and shipping. <i>Atmospheric and Oceanic Optics</i> , 2012, 25, 62-70.	0.6	6
135	Photoenhanced Uptake of NO ₂ on Mineral Dust. <i>NATO Science Series Series IV, Earth and Environmental Sciences</i> , 2007, , 219-233.	0.3	6
136	Mortality induced by PM _{2.5} exposure following the 1783 Laki eruption using reconstructed meteorological fields. <i>Scientific Reports</i> , 2018, 8, 15896.	1.6	4
137	A modeling study of the shortwave and longwave forcing by dust aerosols. <i>Journal of Aerosol Science</i> , 1997, 28, S447-S448.	1.8	2
138	Analysis of slight precipitation in China during the past decades and its relationship with advanced very high radiometric resolution normalized difference vegetation index. <i>International Journal of Climatology</i> , 2018, 38, 5563-5575.	1.5	2
139	Global simulation of the mineral aerosol distribution and its effect on the radiation balance. <i>Journal of Aerosol Science</i> , 1997, 28, S691-S692.	1.8	0