Johannes Lelieveld

List of Publications by Year
in descending order

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		2543	3647
517	46,145	96	180
papers	citations	h-index	g-index

831	831	831	28708
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Model study of the influence of cross-tropopause O₃ transports on tropospheric O₃ levels. Tellus, Series B: Chemical and Physical Meteorology, 2022, 49, 38.	0.8	116
2	Changing concentration, lifetime and climate forcing of atmospheric methane. Tellus, Series B: Chemical and Physical Meteorology, 2022, 50, 128.	0.8	311
3	Simulation of global sulfate distribution and the influence on effective cloud drop radii with a coupled photochemistry sulfur cycle model. Tellus, Series B: Chemical and Physical Meteorology, 2022, 50, 224.	0.8	53
4	Environmental risk factors and cardiovascular diseases: a comprehensive expert review. Cardiovascular Research, 2022, 118, 2880-2902.	1.8	78
5	Ozone and aerosols over the Tibetan Plateau. , 2022, , 287-302.		2
6	Global health burden of ambient PM2.5 and the contribution of anthropogenic black carbon and organic aerosols. Environment International, 2022, 159, 107020.	4.8	68
7	Prevalence of SARS-CoV-2 in Pregnant Women Assessed by RT-PCR in Franconia, Germany: First Results of the SCENARIO Study (SARS-CoV-2 prEvalence in pregNAncy and at biRth In FrancOnia). Geburtshilfe Und Frauenheilkunde, 2022, 82, 226-234.	0.8	6
8	Projected Air Temperature Extremes and Maximum Heat Conditions Over the Middle-East-North Africa (MENA) Region. Earth Systems and Environment, 2022, 6, 343-359.	3.0	10
9	Kinetics of OHâ€‰+â€‰SO₂â€‰+â€‰M: temperature-dependent rate coefficients in the fall-off regime and the influence of water vapour. Atmospheric Chemistry and Physics, 2022, 22, 4969-4984.	1.9	3
10	Tropospheric ozone production and chemical regime analysis during the COVID-19 lockdown over Europe. Atmospheric Chemistry and Physics, 2022, 22, 6151-6165.	1.9	6
11	Synergistic HNO3â€“H2SO4â€“NH3 upper tropospheric particle formation. Nature, 2022, 605, 483-489.	13.7	26
12	Evaluation of WRF-Chem modelÂ(v3.9.1.1) real-time air quality forecasts over the Eastern Mediterranean. Geoscientific Model Development, 2022, 15, 4129-4146.	1.3	7
13	Fate of the nitrate radical at the summit of a semi-rural mountain site in Germany assessed with direct reactivity measurements. Atmospheric Chemistry and Physics, 2022, 22, 7051-7069.	1.9	4
14	Rate Coefficients for OH + NO (+N₂) in the Fall-off Regime and the Impact of Water Vapor. Journal of Physical Chemistry A, 2022, 126, 3863-3872.	1.1	1
15	Black carbon aerosol reductions during COVID-19 confinement quantified by aircraft measurements over Europe. Atmospheric Chemistry and Physics, 2022, 22, 8683-8699.	1.9	11
16	A dynamically structured matrix population model for insect life histories observed under variable environmental conditions. Scientific Reports, 2022, 12, .	1.6	6
17	Polycyclic aromatic hydrocarbons (PAHs) and their alkylated, nitrated and oxygenated derivatives in the atmosphere over the Mediterranean and Middle East seas. Atmospheric Chemistry and Physics, 2022, 22, 8739-8766.	1.9	16
18	Climate Change and Weather Extremes in the Eastern Mediterranean and Middle East. Reviews of Geophysics, 2022, 60, .	9.0	131

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19	Air pollution declines during COVID-19 lockdowns mitigate the global health burden. Environmental Research, 2021, 192, 110403.	3.7	67
20	Variability of aerosol-cloud interactions induced by different cloud droplet nucleation schemes. Atmospheric Research, 2021, 250, 105367.	1.8	8
21	Influence of aromatics on tropospheric gas-phase composition. Atmospheric Chemistry and Physics, 2021, 21, 2615-2636.	1.9	19
22	Cold cloud microphysical process rates in a global chemistryâ€“climate model. Atmospheric Chemistry and Physics, 2021, 21, 1485-1505.	1.9	7
23	Atomic emission detector with gas chromatographic separation and cryogenic pre-concentration (CryoTrapâ€“GCâ€“AED) for atmospheric trace gas measurements. Atmospheric Measurement Techniques, 2021, 14, 1817-1831.	1.2	7
24	Disease burden and excess mortality from coal-fired power plant emissions in Europe. Environmental Research Letters, 2021, 16, 045010.	2.2	21
25	Business-as-usual will lead to super and ultra-extreme heatwaves in the Middle East and North Africa. Npj Climate and Atmospheric Science, 2021, 4, .	2.6	61
26	Global and national assessment of the incidence of asthma in children and adolescents from major sources of ambient NO₂. Environmental Research Letters, 2021, 16, 035020.	2.2	25
27	Aerosol Trends during the Dusty Season over Iran. Remote Sensing, 2021, 13, 1045.	1.8	12
28	Direct radiative forcing of biomass burning aerosols from the extensive Australian wildfires in 2019â€“2020. Environmental Research Letters, 2021, 16, 044041.	2.2	21
29	Winter AOD trend changes over the Eastern Mediterranean and Middle East region. International Journal of Climatology, 2021, 41, 5516-5535.	1.5	18
30	The Toba supervolcano eruption caused severe tropical stratospheric ozone depletion. Communications Earth & Environment, 2021, 2, .	2.6	19
31	Measurement report: In situ observations of deep convection without lightning during the tropical cyclone Florence 2018. Atmospheric Chemistry and Physics, 2021, 21, 7933-7945.	1.9	4
32	Optimizing Regional Climate Model Output for Hydro-Climate Applications in the Eastern Nile Basin. Earth Systems and Environment, 2021, 5, 185-200.	3.0	5
33	Heart healthy cities: genetics loads the gun but the environment pulls the trigger. European Heart Journal, 2021, 42, 2422-2438.	1.0	55
34	Reactive nitrogen around the Arabian Peninsula and in the Mediterranean Sea during the 2017 AQABA ship campaign. Atmospheric Chemistry and Physics, 2021, 21, 7473-7498.	1.9	12
35	Central role of nitric oxide in ozone production in the upper tropical troposphere over the Atlantic Ocean and western Africa. Atmospheric Chemistry and Physics, 2021, 21, 8195-8211.	1.9	12
36	Climate-model-informed deep learning of global soil moisture distribution. Geoscientific Model Development, 2021, 14, 4429-4441.	1.3	4

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37	Evaluation of the coupled high-resolution atmospheric chemistry model system MECO(n) using in situ and MAX-DOAS NO₂ measurements. Atmospheric Measurement Techniques, 2021, 14, 5241-5269.	1.2	2
38	Iodide CIMS and <i>m</i>âˆ•<i>z</i> 62: the detection of HNO₃ as NO₃^{âˆ’} in the presence of PAN, peroxyacetic acid and ozone. Atmospheric Measurement Techniques, 2021, 14, 5319-5332.	1.2	12
39	The Unmanned Systems Research Laboratory (USRL): A New Facility for UAV-Based Atmospheric Observations. Atmosphere, 2021, 12, 1042.	1.0	21
40	Shipborne measurements of methane and carbon dioxide in the Middle East and Mediterranean areas and the contribution from oil and gas emissions. Atmospheric Chemistry and Physics, 2021, 21, 12443-12462.	1.9	16
41	Impact of ozone and inlet design on the quantification of isoprene-derived organic nitrates by thermal dissociation cavity ring-down spectroscopy (TD-CRDS). Atmospheric Measurement Techniques, 2021, 14, 5501-5519.	1.2	0
42	Global health burden of PM2.5, black and organic carbon aerosols. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
43	Impact of pyruvic acid photolysis on acetaldehyde and peroxy radical formation in the boreal forest: theoretical calculations and model results. Atmospheric Chemistry and Physics, 2021, 21, 14333-14349.	1.9	1
44	The Monitoring Nitrous Oxide Sources (MIN2OS) satellite project. Remote Sensing of Environment, 2021, 266, 112688.	4.6	8
45	Revisiting future extreme precipitation trends in the Mediterranean. Weather and Climate Extremes, 2021, 34, 100380.	1.6	54
46	Modeling air pollution by atmospheric desert. , 2021, , 555-581.		0
47	How alkaline compounds control atmospheric aerosol particle acidity. Atmospheric Chemistry and Physics, 2021, 21, 14983-15001.	1.9	16
48	Formation and dissipation dynamics of the Asian tropopause aerosol layer. Environmental Research Letters, 2021, 16, 014015.	2.2	5
49	Physical Activity in Polluted Airâ€"Net Benefit or Harm to Cardiovascular Health? A Comprehensive Review. Antioxidants, 2021, 10, 1787.	2.2	8
50	Modification of a conventional photolytic converter for improving aircraft measurements of NO₂ via chemiluminescence. Atmospheric Measurement Techniques, 2021, 14, 6759-6776.	1.2	14
51	Global Distribution of the Phase State and Mixing Times within Secondary Organic Aerosol Particles in the Troposphere Based on Room-Temperature Viscosity Measurements. ACS Earth and Space Chemistry, 2021, 5, 3458-3473.	1.2	14
52	Measurement report: Observation-based formaldehyde production rates and their relation to OH reactivity around the Arabian Peninsula. Atmospheric Chemistry and Physics, 2021, 21, 17373-17388.	1.9	3
53	Das Exposom charakterisiert die Auswirkungen unserer Umwelt auf Stoffwechsel und Gesundheit. Aktuelle Kardiologie, 2021, 10, 502-508.	0.0	0
54	Measurement report: Photochemical production and loss rates of formaldehyde and ozone across Europe. Atmospheric Chemistry and Physics, 2021, 21, 18413-18432.	1.9	11

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55	Luftverschmutzung und Herz-Kreislauf-Erkrankungen. Aktuelle Kardiologie, 2021, 10, 510-515.	0.0	0
56	Air quality modelling over the Eastern Mediterranean: Seasonal sensitivity to anthropogenic emissions. Atmospheric Environment, 2020, 222, 117119.	1.9	12
57	Traffic-related environmental risk factors and their impact on oxidative stress and cardiovascular health. , 2020, , 489-510.		2
58	Kinetics of the OHâ€‰+â€‰NO₂ reaction: effect of water vapour and new parameterization for global modelling. Atmospheric Chemistry and Physics, 2020, 20, 3091-3105.	1.9	9
59	Regional and global contributions of air pollution to risk of death from COVID-19. Cardiovascular Research, 2020, 116, 2247-2253.	1.8	262
60	Natural gas shortages during the â€œcoal-to-gasâ€•transition in China have caused a large redistribution of air pollution in winter 2017. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31018-31025.	3.3	56
61	Model Calculations of Aerosol Transmission and Infection Risk of COVID-19 in Indoor Environments. International Journal of Environmental Research and Public Health, 2020, 17, 8114.	1.2	158
62	A modeling study of the regional representativeness of surface ozone variation at the WMO/GAW background stations in China. Atmospheric Environment, 2020, 242, 117672.	1.9	6
63	COVID-19 lockdowns cause global air pollution declines. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18984-18990.	3.3	621
64	Bias Correction of RCM Precipitation by TIN-Copula Method: A Case Study for Historical and Future Simulations in Cyprus. Climate, 2020, 8, 85.	1.2	7
65	Reduction of environmental pollutants for prevention of cardiovascular disease: itâ€™s time to act. European Heart Journal, 2020, 41, 3989-3997.	1.0	44
66	Updated Assessment of Temperature Extremes over the Middle Eastâ€“North Africa (MENA) Region from Observational and CMIP5 Data. Atmosphere, 2020, 11, 813.	1.0	16
67	Guidelines for Modeling and Reporting Health Effects of Climate Change Mitigation Actions. Environmental Health Perspectives, 2020, 128, 115001.	2.8	40
68	Performance of Land Surface Schemes in the WRF Model for Climate Simulations over the MENA-CORDEX Domain. Earth Systems and Environment, 2020, 4, 647-665.	3.0	23
69	Including vegetation dynamics in an atmospheric chemistry-enabled general circulation model: linking LPJ-GUESS (v4.0) with the EMAC modelling system (v2.53). Geoscientific Model Development, 2020, 13, 1285-1309.	1.3	12
70	Changing risk factors that contribute to premature mortality from ambient air pollution between 2000 and 2015. Environmental Research Letters, 2020, 15, 074010.	2.2	33
71	Pyruvic acid in the boreal forest: gas-phase mixing ratios and impact on radical chemistry. Atmospheric Chemistry and Physics, 2020, 20, 3697-3711.	1.9	19
72	Natural sea-salt emissions moderate the climate forcing of anthropogenic nitrate. Atmospheric Chemistry and Physics, 2020, 20, 771-786.	1.9	12

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73	Ambient Air Pollution Increases the Risk of Cerebrovascular and Neuropsychiatric Disorders through Induction of Inflammation and Oxidative Stress. International Journal of Molecular Sciences, 2020, 21, 4306.	1.8	190
74	A new marine biogenic emission: methane sulfonamide (MSAM), dimethyl sulfide (DMS), and dimethyl sulfone (DMSO₂) measured in air over the Arabian Sea. Atmospheric Chemistry and Physics, 2020, 20, 6081-6094.	1.9	24
75	Net ozone production and its relationship to nitrogen oxides and volatile organic compounds in the marine boundary layer around the Arabian Peninsula. Atmospheric Chemistry and Physics, 2020, 20, 6769-6787.	1.9	43
76	Calibration of an airborne HO_{<i>x</i>} instrument using the All Pressure Altitude-based Calibrator for HO_{<i>x</i>} Experimentation (APACHE). Atmospheric Measurement Techniques, 2020, 13, 2711-2731.	1.2	11
77	Sensitivity of simulated climate over the MENA region related to different land surface schemes in the WRF model. Theoretical and Applied Climatology, 2020, 141, 1431-1449.	1.3	6
78	Enhanced growth rate of atmospheric particles from sulfuric acid. Atmospheric Chemistry and Physics, 2020, 20, 7359-7372.	1.9	58
79	Inappropriate evaluation of methodology and biases by P. Morfeld and T.C. Erren. Cardiovascular Research, 2020, 116, e102-e102.	1.8	3
80	Loss of life expectancy from air pollution compared to other risk factors: a worldwide perspective. Cardiovascular Research, 2020, 116, 1910-1917.	1.8	427
81	The Red Sea Deep Water is a potent source of atmospheric ethane and propane. Nature Communications, 2020, 11, 447.	5.8	24
82	Air pollution, the underestimated cardiovascular risk factor. European Heart Journal, 2020, 41, 904-905.	1.0	10
83	A comparison of gridded datasets of precipitation and temperature over the Eastern Nile Basin region. Euro-Mediterranean Journal for Environmental Integration, 2020, 5, 1.	0.6	5
84	Perspective: cardiovascular disease and the Covid-19 pandemic. Basic Research in Cardiology, 2020, 115, 32.	2.5	57
85	Kinetic and mechanistic study of the reaction between methane sulfonamide (CH₃S(O)₂NH<sub>2</ and OH. Atmospheric Chemistry and Physics, 2020, 20, 2695-2707.	1.9	6
86	Environmental Factors Such as Noise and Air Pollution and Vascular Disease. Antioxidants and Redox Signaling, 2020, 33, 581-601.	2.5	20
87	Evolution of NO₃ reactivity during the oxidation of isoprene. Atmospheric Chemistry and Physics, 2020, 20, 10459-10475.	1.9	10
88	Measurements of carbonyl compounds around the Arabian Peninsula: overview and model comparison. Atmospheric Chemistry and Physics, 2020, 20, 10807-10829.	1.9	14
89	Impact of the South Asian monsoon outflow on atmospheric hydroperoxides in the upper troposphere. Atmospheric Chemistry and Physics, 2020, 20, 12655-12673.	1.9	8
90	Weaker cooling by aerosols due to dustâ€“pollution interactions. Atmospheric Chemistry and Physics, 2020, 20, 15285-15295.	1.9	14

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91	Measurement of NO_{<i>x</i>} and NO_{<i>y</i>} with a thermal dissociation cavity ring-down spectrometer (TD-CRDS): instrument characterisation and first deployment. Atmospheric Measurement Techniques, 2020, 13, 5739-5761.	1.2	10
92	Model simulations of atmospheric methane (1997â€“2016) and their evaluation using NOAA and AGAGE surface and IAGOS-CARIBIC aircraft observations. Atmospheric Chemistry and Physics, 2020, 20, 5787-5809.	1.9	5
93	Reducing Air Pollution: Avoidable Health Burden. , 2020, , 105-117.		0
94	Reaction between CH₃C(O)OOH (peracetic acid) and OH in the gas phase: a combined experimental and theoretical study of the kinetics and mechanism. Atmospheric Chemistry and Physics, 2020, 20, 13541-13555.	1.9	5
95	Direct radiative effect of dustâ€“pollution interactions. Atmospheric Chemistry and Physics, 2019, 19, 7397-7408.	1.9	25
96	Contribution of airborne desert dust to air quality and cardiopulmonary disease. European Heart Journal, 2019, 40, 2377-2378.	1.0	4
97	Empirical evidence of a positive climate forcing of aerosols at elevated albedo. Atmospheric Research, 2019, 229, 269-279.	1.8	14
98	Shipborne measurements of total OH reactivity around the Arabian Peninsula and its role in ozone chemistry. Atmospheric Chemistry and Physics, 2019, 19, 11501-11523.	1.9	40
99	Alkyl nitrates in the boreal forest: formation via the NO₃-, OH- and O₃-induced oxidation of biogenic volatile organic compounds and ambient lifetimes. Atmospheric Chemistry and Physics, 2019, 19, 10391-10403.	1.9	28
100	Predictions of diffusion rates of large organic molecules in secondary organic aerosols using the Stokesâ€“Einstein and fractional Stokesâ€“Einstein relations. Atmospheric Chemistry and Physics, 2019, 19, 10073-10085.	1.9	35
101	Modeling the aerosol chemical composition of the tropopause over the Tibetan Plateau during the Asian summer monsoon. Atmospheric Chemistry and Physics, 2019, 19, 11587-11612.	1.9	24
102	Air pollution, chronic smoking, and mortality. European Heart Journal, 2019, 40, 3204-3204.	1.0	10
103	Non-methane hydrocarbon (C₂â€“C₈) sources and sinks around the Arabian Peninsula. Atmospheric Chemistry and Physics, 2019, 19, 7209-7232.	1.9	35
104	Global tropospheric effects of aromatic chemistry with the SAPRC-11 mechanism implemented in GEOS-Chem versionÂ9-02. Geoscientific Model Development, 2019, 12, 111-130.	1.3	16
105	Trend reversal from high-to-low and from rural-to-urban ozone concentrations over Europe. Atmospheric Environment, 2019, 213, 25-36.	1.9	40
106	Laser-induced fluorescence-based detection of atmospheric nitrogen dioxide and comparison of different techniques during the PARADEÂ2011 field campaign. Atmospheric Measurement Techniques, 2019, 12, 1461-1481.	1.2	12
107	Chemical ionization quadrupole mass spectrometer with an electrical discharge ion source for atmospheric trace gas measurement. Atmospheric Measurement Techniques, 2019, 12, 1935-1954.	1.2	21
108	Effects of fossil fuel and total anthropogenic emission removal on public health and climate. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7192-7197.	3.3	515

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109	Cardiovascular disease burden from ambient air pollution in Europe reassessed using novel hazard ratio functions. European Heart Journal, 2019, 40, 1590-1596.	1.0	570
110	Upper tropospheric CH₄ and CO affected by the South Asian summer monsoon during the Oxidation Mechanism Observations mission. Atmospheric Chemistry and Physics, 2019, 19, 1915-1939.	1.9	14
111	Exploring the economy-wide effects of agriculture on air quality and health: Evidence from Europe. Science of the Total Environment, 2019, 663, 889-900.	3.9	46
112	A climate-driven and field data-assimilated population dynamics model of sand flies. Scientific Reports, 2019, 9, 2469.	1.6	13
113	Costs and benefits of agricultural ammonia emission abatement options for compliance with European air quality regulations. Environmental Sciences Europe, 2019, 31, .	2.6	71
114	Evaluation of A Regional Climate Model for the Eastern Nile Basin: Terrestrial and Atmospheric Water Balance. Atmosphere, 2019, 10, 736.	1.0	3
115	Diurnal variability, photochemical production and loss processes of hydrogen peroxide in the boundary layer over Europe. Atmospheric Chemistry and Physics, 2019, 19, 11953-11968.	1.9	14
116	Trapping of HCl and oxidised organic trace gases in growing ice at temperatures relevant to cirrus clouds. Atmospheric Chemistry and Physics, 2019, 19, 11939-11951.	1.9	7
117	Shipborne measurements of ClNO₂ in the Mediterranean Sea and around the Arabian Peninsula during summer. Atmospheric Chemistry and Physics, 2019, 19, 12121-12140.	1.9	23
118	A multi-model, multi-scenario, and multi-domain analysis of regional climate projections for the Mediterranean. Regional Environmental Change, 2019, 19, 2621-2635.	1.4	113
119	Evaluation of EU air quality standards through modeling and the FAIRMODE benchmarking methodology. Air Quality, Atmosphere and Health, 2019, 12, 73-86.	1.5	22
120	Metrics for the sustainable development goals: renewable energy and transportation. Palgrave Communications, 2019, 5, .	4.7	24
121	The â€œexposomeâ€•concept â€“ how environmental risk factors influence cardiovascular health. Acta Biochimica Polonica, 2019, 66, 269-283.	0.3	32
122	Air quality modelling in the summer over the eastern Mediterranean using WRF-Chem: chemistry and aerosol mechanism intercomparison. Atmospheric Chemistry and Physics, 2018, 18, 1555-1571.	1.9	54
123	Identification of Tropicalâ€Extratropical Interactions and Extreme Precipitation Events in the Middle East Based On Potential Vorticity and Moisture Transport. Journal of Geophysical Research D: Atmospheres, 2018, 123, 861-881.	1.2	48
124	Estimating health and economic benefits of reductions in air pollution from agriculture. Science of the Total Environment, 2018, 622-623, 1304-1316.	3.9	106
125	Direct measurement of NO₃ radical reactivity in a boreal forest. Atmospheric Chemistry and Physics, 2018, 18, 3799-3815.	1.9	45
126	Emission of nitrous acid from soil and biological soil crusts represents an important source of HONO in the remote atmosphere in Cyprus. Atmospheric Chemistry and Physics, 2018, 18, 799-813.	1.9	52

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127	Customized framework of the WRF model for regional climate simulation over the Eastern NILE basin. Theoretical and Applied Climatology, 2018, 134, 1135-1151.	1.3	8
128	Modelling study of the atmospheric composition over Cyprus. Atmospheric Pollution Research, 2018, 9, 257-269.	1.8	12
129	Intercomparison of boundary layer parameterizations for summer conditions in the eastern Mediterranean island of Cyprus using the WRF - ARW model. Atmospheric Research, 2018, 208, 45-59.	1.8	19
130	Uncertainties in estimates of mortality attributable to ambient PM 2.5 in Europe. Environmental Research Letters, 2018, 13, 064029.	2.2	20
131	A 3-D evaluation of the MACC reanalysis dust product over Europe, northern Africa and Middle East using CALIOP/CALIPSO dust satellite observations. Atmospheric Chemistry and Physics, 2018, 18, 8601-8620.	1.9	21
132	Two new submodels for the Modular Earth Submodel System (MESSy): New Aerosol Nucleation (NAN) and small ions (IONS) version 1.0. Geoscientific Model Development, 2018, 11, 4987-5001.	1.3	3
133	Implementation of a comprehensive ice crystal formation parameterization for cirrus and mixed-phase clouds in the EMAC model (based on MESSy 2.53). Geoscientific Model Development, 2018, 11, 4021-4041.	1.3	12
134	Effects of Meteorology Nudging in Regional Hydroclimatic Simulations of the Eastern Mediterranean. Atmosphere, 2018, 9, 470.	1.0	3
135	Oxidation processes in the eastern Mediterranean atmosphere: evidence from the modelling of HO_{<i>x</i>} measurements over Cyprus. Atmospheric Chemistry and Physics, 2018, 18, 10825-10847.	1.9	35
136	Insights into HO_{<i>x</i>} and RO_{<i>x</i>} chemistry in the boreal forest via measurement of peroxyacetic acid, peroxyacetic nitric anhydride (PAN) and hydrogen peroxide. Atmospheric Chemistry and Physics, 2018, 18, 13457-13479.	1.9	28
137	Accelerating simulations using REDCHEM_v0.0 for atmospheric chemistry mechanism reduction. Geoscientific Model Development, 2018, 11, 3391-3407.	1.3	4
138	Tropospheric OH and stratospheric OH and Cl concentrations determined from CH4, CH3Cl, and SF6 measurements. Npj Climate and Atmospheric Science, 2018, 1, .	2.6	49
139	Revised mineral dust emissions in the atmospheric chemistryâ€“climate model EMAC (MESSy 2.52) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	39
140	Direct measurements of NO₃ reactivity in and above the boundary layer of a mountaintop site: identification of reactive trace gases and comparison with OH reactivity. Atmospheric Chemistry and Physics, 2018, 18, 12045-12059.	1.9	29
141	Analysis of European ozone trends in the period 1995â€“2014. Atmospheric Chemistry and Physics, 2018, 18, 5589-5605.	1.9	77
142	Age-dependent health risk from ambient air pollution: a modelling and data analysis of childhood mortality in middle-income and low-income countries. Lancet Planetary Health, The, 2018, 2, e292-e300.	5.1	92
143	ORACLE 2-DÂ(v2.0): an efficient module to compute the volatility and oxygen content of organic aerosol with a global chemistryâ€“climate model. Geoscientific Model Development, 2018, 11, 3369-3389.	1.3	24
144	Effects of gaseous and solid constituents of air pollution on endothelial function. European Heart Journal, 2018, 39, 3543-3550.	1.0	263

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145	The South Asian monsoonâ€"pollution pump and purifier. Science, 2018, 361, 270-273.	6.0	85
146	Strong sesquiterpene emissions from Amazonian soils. Nature Communications, 2018, 9, 2226.	5.8	55
147	Global distribution of particle phase state in atmospheric secondary organic aerosols. Nature Communications, 2017, 8, 15002.	5.8	295
148	The added value of convection permitting simulations of extreme precipitation events over the eastern Mediterranean. Atmospheric Research, 2017, 191, 20-33.	1.8	53
149	Clean air in the Anthropocene. Faraday Discussions, 2017, 200, 693-703.	1.6	44
150	Aerosol physicochemical effects on CCN activation simulated with the chemistry-climate model EMAC. Atmospheric Environment, 2017, 162, 127-140.	1.9	22
151	Influence of local production and vertical transport on the organic aerosol budget over Paris. Journal of Geophysical Research D: Atmospheres, 2017, 122, 8276-8296.	1.2	12
152	Atmospheric chemistry and the biosphere: general discussion. Faraday Discussions, 2017, 200, 195-228.	1.6	1
153	Atmospheric chemistry processes: general discussion. Faraday Discussions, 2017, 200, 353-378.	1.6	0
154	The air we breathe: Past, present, and future: general discussion. Faraday Discussions, 2017, 200, 501-527.	1.6	1
155	New tools for atmospheric chemistry: general discussion. Faraday Discussions, 2017, 200, 663-691.	1.6	0
156	Aerosol Health Effects from Molecular to Global Scales. Environmental Science & Technology, 2017, 51, 13545-13567.	4.6	384
157	Comparative Forecasts of a Local Area Model (WRF) in Summer for Cyprus. Springer Atmospheric Sciences, 2017, , 151-157.	0.4	1
158	Secondary ozone peaks in the troposphere over the Himalayas. Atmospheric Chemistry and Physics, 2017, 17, 6743-6757.	1.9	25
159	WRF-Chem simulated surface ozone over south Asia during the pre-monsoon: effects of emission inventories and chemical mechanisms. Atmospheric Chemistry and Physics, 2017, 17, 14393-14413.	1.9	65
160	Estimating the atmospheric concentration of Criegee intermediates and their possible interference in a FAGE-LIF instrument. Atmospheric Chemistry and Physics, 2017, 17, 7807-7826.	1.9	82
161	Chemical processes related to net ozone tendencies in the free troposphere. Atmospheric Chemistry and Physics, 2017, 17, 10565-10582.	1.9	21
162	Light-induced protein nitration and degradation with HONOÂemission. Atmospheric Chemistry and Physics, 2017, 17, 11819-11833.	1.9	22

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163	The influence of deep convection on HCHO and H₂O₂ in the upper troposphere over Europe. Atmospheric Chemistry and Physics, 2017, 17, 11835-11848.	1.9	8
164	Impact of agricultural emission reductions on fine-particulate matter and public health. Atmospheric Chemistry and Physics, 2017, 17, 12813-12826.	1.9	160
165	Variations in O₃, CO, and CH₄ over the Bay of Bengal during the summer monsoon season: shipborne measurements and model simulations. Atmospheric Chemistry and Physics, 2017, 17, 257-275.	1.9	32
166	Sensitivity of transatlantic dust transport to chemical aging and related atmospheric processes. Atmospheric Chemistry and Physics, 2017, 17, 3799-3821.	1.9	31
167	Day and night-time formation of organic nitrates at a forested mountain site in south-west Germany. Atmospheric Chemistry and Physics, 2017, 17, 4115-4130.	1.9	36
168	Global impact of mineral dust on cloud droplet number concentration. Atmospheric Chemistry and Physics, 2017, 17, 5601-5621.	1.9	59
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