Luca Pozzoli

List of Publications by Year
in descending order

34	3,050	304743	414414
papers	citations	22 h-index	32 g-index

54	54	54	4955
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simultaneously Mitigating Near-Term Climate Change and Improving Human Health and Food Security. Science, 2012, 335, 183-189.	12.6	1,107
2	The AeroCom evaluation and intercomparison of organic aerosol in global models. Atmospheric Chemistry and Physics, 2014, 14, 10845-10895.	4.9	363
3	Global Air Quality and Health Co-benefits of Mitigating Near-Term Climate Change through Methane and Black Carbon Emission Controls. Environmental Health Perspectives, 2012, 120, 831-839.	6.0	340
4	A multi-model evaluation of aerosols over South Asia: common problems and possible causes. Atmospheric Chemistry and Physics, 2015, 15, 5903-5928.	4.9	113
5	Polycyclic Aromatic Hydrocarbons in the Atmosphere: Monitoring, Sources, Sinks and Fate. II: Sinks and Fate. Annali Di Chimica, 2004, 94, 257-268.	0.6	100
6	Sources, sinks, and transatlantic transport of North African dust aerosol: A multimodel analysis and comparison with remote sensing data. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6259-6277.	3.3	88
7	Transport of aerosols into the UTLS and their impact on the Asian monsoon region as seen in a global model simulation. Atmospheric Chemistry and Physics, 2013, 13, 8771-8786.	4.9	85
8	Evaluation and error apportionment of an ensemble of atmospheric chemistry transport modeling systems: multivariable temporal and spatial breakdown. Atmospheric Chemistry and Physics, 2017, 17, 3001-3054.	4.9	69
9	Assessment and economic valuation of air pollution impacts on human health over Europe and the United States as calculated by a multi-model ensemble in the framework of AQMEII3. Atmospheric Chemistry and Physics, 2018, 18, 5967-5989.	4.9	68
10	Quantification of DMS aerosol-cloud-climate interactions using the ECHAM5-HAMMOZ model in a current climate scenario. Atmospheric Chemistry and Physics, 2010, 10, 7425-7438.	4.9	65
11	Re-analysis of tropospheric sulfate aerosol and ozone for the period 1980â€“2005 using the aerosol-chemistry-climate model ECHAM5-HAMMOZ. Atmospheric Chemistry and Physics, 2011, 11, 9563-9594.	4.9	63
12	North Atlantic Oscillation and tropospheric ozone variability in Europe: model analysis and measurements intercomparison. Atmospheric Chemistry and Physics, 2012, 12, 6357-6376.	4.9	57
13	Modeled deposition of nitrogen and sulfur in Europe estimated by 14 air quality model systems: evaluation, effects of changes in emissions and implications for habitat protection. Atmospheric Chemistry and Physics, 2018, 18, 10199-10218.	4.9	47
14	Impacts of the COVID-19 lockdown on air pollution at regional and urban background sites in northern Italy. Atmospheric Chemistry and Physics, 2021, 21, 7597-7609.	4.9	44
15	Quantifying the impacts of an updated global dimethyl sulfide climatology on cloud microphysics and aerosol radiative forcing. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2524-2536.	3.3	40
16	Trends in peroxyacetyl nitrate (PAN) in the upper troposphere and lower stratosphere over southern Asia during the summer monsoon season: regional impacts. Atmospheric Chemistry and Physics, 2014, 14, 12725-12743.	4.9	39
17	A case study for Saharan dust transport over Turkey via RegCM4.1 model. Atmospheric Research, 2015, 153, 392-403.	4.1	37
18	Spatial and temporal analysis of black carbon aerosols in Istanbul megacity. Science of the Total Environment, 2014, 473-474, 451-458.	8.0	35

#	Article	IF	Citations
19	Aerosol effect on climate extremes in Europe under different future scenarios. Geophysical Research Letters, 2013, 40, 2290-2295.	4.0	34
20	Influence of anthropogenic emissions and boundary conditions on multi-model simulations of major air pollutants over Europe and North America in the framework of AQMEII3. Atmospheric Chemistry and Physics, 2018, 18, 8929-8952.	4.9	32
21	Transport pathways of peroxyacetyl nitrate in the upper troposphere and lower stratosphere from different monsoon systems during the summer monsoon season. Atmospheric Chemistry and Physics, 2015, 15, 11477-11499.	4.9	24
22	Modelling black carbon absorption of solar radiation: combining external and internal mixing assumptions. Atmospheric Chemistry and Physics, 2019, 19, 181-204.	4.9	24
23	Asian and Transâ€Pacific Dust: A Multimodel and Multiremote Sensing Observation Analysis. Journal of Geophysical Research D: Atmospheres, 2019, 124, 13534-13559.	3.3	24
24	Using SEVIRI fire observations to drive smoke plumes in the CMAQ air quality model: a case study over Antalya in 2008. Atmospheric Chemistry and Physics, 2015, 15, 8539-8558.	4.9	20
25	Simulation of 137Cs transport and deposition after the Chernobyl Nuclear Power Plant accident and radiological doses over the Anatolian Peninsula. Science of the Total Environment, 2014, 499, 74-88.	8.0	18
26	Cyanobacterial Blooms in Lake Varese: Analysis and Characterization over Ten Years of Observations. Water (Switzerland), 2020, 12, 675.	2.7	17
27	Impacts of changes in North Atlantic atmospheric circulation on particulate matter and human health in Europe. Geophysical Research Letters, 2013, 40, 4074-4080.	4.0	16
28	Model evaluation of short-lived climate forcers for the Arctic Monitoring and Assessment Programme: a multi-species, multi-model study. Atmospheric Chemistry and Physics, 2022, 22, 5775-5828.	4.9	15
29	Rate of non-linearity in DMS aerosol-cloud-climate interactions. Atmospheric Chemistry and Physics, 2011, 11, 11175-11183.	4.9	12
30	Two-scale multi-model ensemble: is a hybrid ensemble of opportunity telling us more?. Atmospheric Chemistry and Physics, 2018, 18, 8727-8744.	4.9	10
31	Impacts of large-scale atmospheric circulation changes in winter on black carbon transport and deposition to the Arctic. Atmospheric Chemistry and Physics, 2017, 17, 11803-11818.	4.9	7
32	Atmospheric CO₂ source and sink patterns over the Indian region. Annales Geophysicae, 2016, 34, 279-291.	1.6	4
33	Measurement of the carbonaceous component in the Milan urban particulate matter. Annali Di Chimica, 2003, 93, 389-96.	0.6	0
34	A boxmodel development to study the relationships between the photo-oxidants and the particles formation in the troposphere. Annali Di Chimica, 2003, 93, 447-56.	0.6	0