

Ulas Im

List of Publications by Year in descending order

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59
papers

3,470
citations

136885

32
h-index

149623

56
g-index

112
all docs

112
docs citations

112
times ranked

4271
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the climate and air quality impacts of short-lived pollutants. Atmospheric Chemistry and Physics, 2015, 15, 10529-10566.	1.9	365
2	Megacities as hot spots of air pollution in the East Mediterranean. Atmospheric Environment, 2011, 45, 1223-1235.	1.9	239
3	Tropospheric Ozone Assessment Report: Assessment of global-scale model performance for global and regional ozone distributions, variability, and trends. Elementa, 2018, 6, .	1.1	177
4	Tropospheric Ozone Assessment Report: Database and metrics data of global surface ozone observations. Elementa, 2017, 5, .	1.1	172
5	Evaluation of operational on-line-coupled regional air quality models over Europe and North America in the context of AQMEII phase 2. Part I: Ozone. Atmospheric Environment, 2015, 115, 404-420.	1.9	168
6	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.	1.9	133
7	Climate change in Turkey for the last half century. Climatic Change, 2009, 94, 483-502.	1.7	116
8	Feedbacks between air pollution and weather, Part 1: Effects on weather. Atmospheric Environment, 2015, 115, 442-469.	1.9	102
9	Feedbacks between air pollution and weather, part 2: Effects on chemistry. Atmospheric Environment, 2015, 115, 499-526.	1.9	99
10	The impact of temperature changes on summer time ozone and its precursors in the Eastern Mediterranean. Atmospheric Chemistry and Physics, 2011, 11, 3847-3864.	1.9	97
11	Particulate matter (PM10) in Istanbul: Origin, source areas and potential impact on surrounding regions. Atmospheric Environment, 2011, 45, 6891-6900.	1.9	96
12	Desert Dust, Industrialization, and Agricultural Fires: Health Impacts of Outdoor Air Pollution in Africa. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4104-4120.	1.2	89
13	Analysis of the WRF-Chem contributions to AQMEII phase2 with respect to aerosol radiative feedbacks on meteorology and pollutant distributions. Atmospheric Environment, 2015, 115, 630-645.	1.9	87
14	Comparative analysis of meteorological performance of coupled chemistry-meteorology models in the context of AQMEII phase 2. Atmospheric Environment, 2015, 115, 470-498.	1.9	85
15	Uncertainties of simulated aerosol optical properties induced by assumptions on aerosol physical and chemical properties: An AQMEII-2 perspective. Atmospheric Environment, 2015, 115, 541-552.	1.9	84
16	Aerosol chemical composition over Istanbul. Science of the Total Environment, 2010, 408, 2482-2491.	3.9	79
17	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.	1.9	69
18	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.	1.9	68

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19	Study of a winter PM episode in Istanbul using the high resolution WRF/CMAQ modeling system. Atmospheric Environment, 2010, 44, 3085-3094.	1.9	61
20	Analysis of meteorologyâ€“chemistry interactions during air pollution episodes using online coupled models within AQMEII phase-2. Atmospheric Environment, 2015, 115, 527-540.	1.9	61
21	Assessment of the MACC reanalysis and its influence as chemical boundary conditions for regional air quality modeling in AQMEII-2. Atmospheric Environment, 2015, 115, 371-388.	1.9	59
22	Impacts of East Mediterranean megacity emissions on air quality. Atmospheric Chemistry and Physics, 2012, 12, 6335-6355.	1.9	56
23	HTAP2 multi-model estimates of premature human mortality due to intercontinental transport of air pollution and emission sectors. Atmospheric Chemistry and Physics, 2018, 18, 10497-10520.	1.9	54
24	The impact of anthropogenic and biogenic emissions on surface ozone concentrations in Istanbul. Science of the Total Environment, 2011, 409, 1255-1265.	3.9	53
25	Analysis of surface ozone and nitrogen oxides at urban, semi-rural and rural sites in Istanbul, Turkey. Science of the Total Environment, 2013, 443, 920-931.	3.9	49
26	Summertime aerosol chemical composition in the Eastern Mediterranean and its sensitivity to temperature. Atmospheric Environment, 2012, 50, 164-173.	1.9	47
27	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.	1.9	47
28	Compilation of a GIS based high spatially and temporally resolved emission inventory for the greater Istanbul area. Atmospheric Pollution Research, 2012, 3, 112-125.	1.8	45
29	Atmospheric deposition of nitrogen and sulfur over southern Europe with focus on the Mediterranean and the Black Sea. Atmospheric Environment, 2013, 81, 660-670.	1.9	43
30	The influence of residential wood combustion on the concentrations of PM _{2.5} in four Nordic cities. Atmospheric Chemistry and Physics, 2020, 20, 4333-4365.	1.9	40
31	Sensitivity of feedback effects in CBMZ/MOSAIC chemical mechanism. Atmospheric Environment, 2015, 115, 646-656.	1.9	37
32	Analysis of major photochemical pollutants with meteorological factors for high ozone days in Istanbul, Turkey. Water, Air, and Soil Pollution, 2006, 175, 335-359.	1.1	35
33	Spatial and temporal analysis of black carbon aerosols in Istanbul megacity. Science of the Total Environment, 2014, 473-474, 451-458.	3.9	35
34	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.	1.9	32
35	Interaction patterns of major photochemical pollutants in Istanbul, Turkey. Atmospheric Research, 2008, 89, 382-390.	1.8	29
36	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.	1.9	29

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37	Modelling ultrafine particle number concentrations at address resolution in Denmark from 1979-2018 – Part 1: Regional and urban scale modelling and evaluation. <i>Atmospheric Environment</i> , 2021, 264, 118631.	1.9	29
38	Contribution of fine particulate matter to present and future premature mortality over Europe: A non-linear response. <i>Environment International</i> , 2021, 153, 106517.	4.8	27
39	Modelling black carbon absorption of solar radiation: combining external and internal mixing assumptions. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 181-204.	1.9	24
40	Contributions of Nordic anthropogenic emissions on air pollution and premature mortality over the Nordic region and the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12975-12992.	1.9	24
41	A modeling study of the impact of the 2007 Greek forest fires on the gaseous pollutant levels in the Eastern Mediterranean. <i>Atmospheric Research</i> , 2014, 149, 1-17.	1.8	23
42	Insights into the deterministic skill of air quality ensembles from the analysis of AQMEII data. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 15629-15652.	1.9	23
43	Evaluation of impact of residential heating on air quality of megacity Istanbul by CMAQ. <i>Science of the Total Environment</i> , 2019, 651, 1688-1697.	3.9	23
44	Impact of sea-salt emissions on the model performance and aerosol chemical composition and deposition in the East Mediterranean coastal regions. <i>Atmospheric Environment</i> , 2013, 75, 329-340.	1.9	21
45	Deaths Attributable to Air Pollution in Nordic Countries: Disparities in the Estimates. <i>Atmosphere</i> , 2020, 11, 467.	1.0	20
46	Projections of shipping emissions and the related impact on air pollution and human health in the Nordic region. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12495-12519.	1.9	17
47	Model evaluation of short-lived climate forcers for the Arctic Monitoring and Assessment Programme: a multi-species, multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 5775-5828.	1.9	15
48	Present and future aerosol impacts on Arctic climate change in the GISS-E2.1 Earth system model. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10413-10438.	1.9	12
49	Isolating the climate change impacts on air-pollution-related-pathologies over central and southern Europe – a modelling approach on cases and costs. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 9385-9398.	1.9	11
50	Two-scale multi-model ensemble: is a hybrid ensemble of opportunity telling us more?. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8727-8744.	1.9	10
51	Mortality and morbidity costs of road traffic-based air pollution in Turkey. <i>Journal of Transport and Health</i> , 2021, 22, 101142.	1.1	6
52	Attributing differences in the fate of lateral boundary ozone in AQMEII3 models to physical process representations. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17157-17175.	1.9	5
53	Reducing future air-pollution-related premature mortality over Europe by mitigating emissions from the energy sector: assessing an 80% renewable energies scenario. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3945-3965.	1.9	5
54	Simulated air quality and pollutant budgets over Europe in 2008. <i>Science of the Total Environment</i> , 2014, 470-471, 270-281.	3.9	4

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55	Seasonal ozone vertical profiles over North America using the AQMEII3 group of air quality models: model inter-comparison and stratospheric intrusions. Atmospheric Chemistry and Physics, 2018, 18, 13925-13945.	1.9	2
56	Long-term monitoring of layering of lower atmosphere in urban environments by ceilometer. , 2007, 6745, 214.		1
57	Study of the Impact of an Intense Biomass Burning Event on the Air Quality in the Eastern Mediterranean. Springer Atmospheric Sciences, 2013, , 1189-1195.	0.4	0
58	The Impact of Anthropogenic and Biogenic Emissions on Surface Ozone Concentrations in Istanbul: A Modeling Study. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 103-106.	0.1	0
59	Drivers of Air Quality in the East Mediterranean. Springer Atmospheric Sciences, 2013, , 1019-1024.	0.4	0