

Sebnem Aksoyoglu

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,022
citations

279798

23
h-index

265206

42
g-index

93
all docs

93
docs citations

93
times ranked

2655
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating sources of surface ozone in central Europe during the hot summer in 2018: High temperatures, but not so high ozone. <i>Atmospheric Environment</i> , 2022, , 119099.	4.1	2
2	Influence of biomass burning vapor wall loss correction on modeling organic aerosols in Europe by CAMx v6.50. <i>Geoscientific Model Development</i> , 2021, 14, 1681-1697.	3.6	5
3	Modeling the effect of reduced traffic due to COVID-19 measures on air quality using a chemical transport model: impacts on the Po Valley and the Swiss Plateau regions. <i>Environmental Science Atmospheres</i> , 2021, 1, 228-240.	2.4	12
4	Temporal variations, regional contribution, and cluster analyses of ozone and NOx in a middle eastern megacity during summertime over 2017â€“2019. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	5.3	3
5	Role of Organic Aerosol Chemistry Schemes on Particulate Matter Modeling in Europe. <i>Springer Proceedings in Complexity</i> , 2021, , 3-9.	0.3	0
6	Same Model (CAMx6.50), Same Year (2010), Two Different European Projects: How Similar Are the Results?. <i>Springer Proceedings in Complexity</i> , 2021, , 95-100.	0.3	0
7	Sources of particulate-matter air pollution and its oxidative potential in Europe. <i>Nature</i> , 2020, 587, 414-419.	27.8	352
8	Changes in ozone and PM2.5 in Europe during the period of 1990â€“2030: Role of reductions in land and ship emissions. <i>Science of the Total Environment</i> , 2020, 741, 140467.	8.0	20
9	Role of ammonia in European air quality with changing land and ship emissions between 1990 and 2030. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15665-15680.	4.9	15
10	Effects of Using Two Different Biogenic Emission Models on Ozone and Particles in Europe. <i>Springer Proceedings in Complexity</i> , 2020, , 29-34.	0.3	0
11	Impact of anthropogenic and biogenic sources on the seasonal variation in the molecular composition of urban organic aerosols: a field and laboratory study using ultra-high-resolution mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5973-5991.	4.9	40
12	Effects of two different biogenic emission models on modelled ozone and aerosol concentrations in Europe. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 3747-3768.	4.9	36
13	EURODELTA III exercise: An evaluation of air quality modelsâ€™ capacity to reproduce the carbonaceous aerosol. <i>Atmospheric Environment: X</i> , 2019, 2, 100018.	1.4	11
14	Sources of organic aerosols in Europe: a modeling study using CAMx with modified volatility basis set scheme. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 15247-15270.	4.9	35
15	Secondary organic aerosol formation from smoldering and flaming combustion of biomass: a box model parametrization based on volatility basis set. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11461-11484.	4.9	24
16	Low modeled ozone production suggests underestimation of precursor emissions (especially) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2175-2198.	4.9	27
17	Modelling nitrogen deposition: dry deposition velocities on various land-use types in Switzerland. <i>International Journal of Environment and Pollution</i> , 2018, 64, 230.	0.2	3
18	Solar â€œbrighteningâ€ impact on summer surface ozone between 1990 and 2010 in Europe â€œ a model sensitivity study of the influence of the aerosolâ€radiation interactions. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 9741-9765.	4.9	6

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19	The Impact of "Brightening" on Surface O ₃ Concentrations over Europe Between 1990 and 2010. Springer Proceedings in Complexity, 2018, , 31-36.	0.3	0
20	Ozone Source Apportionment to Quantify Local-to-Continental Source Contributions to Episodic Events in Northern Iberia. Springer Proceedings in Complexity, 2018, , 361-365.	0.3	2
21	Modelling nitrogen deposition: dry deposition velocities on various land-use types in Switzerland. International Journal of Environment and Pollution, 2018, 64, 230.	0.2	2
22	Joint analysis of deposition fluxes and atmospheric concentrations of inorganic nitrogen and sulphur compounds predicted by six chemistry transport models in the frame of the EURODELTAIII project. Atmospheric Environment, 2017, 151, 152-175.	4.1	27
23	Secondary inorganic aerosols in Europe: sources and the significant influence of biogenic VOC emissions, especially on ammonium nitrate. Atmospheric Chemistry and Physics, 2017, 17, 7757-7773.	4.9	26
24	Modelling winter organic aerosol at the European scale with CAMx: evaluation and source apportionment with a VBS parameterization based on novel wood burning smog chamber experiments. Atmospheric Chemistry and Physics, 2017, 17, 7653-7669.	4.9	58
25	Constraining a hybrid volatility basis-set model for aging of wood-burning emissions using smog chamber experiments: a box-model study based on the VBS scheme of the CAMx model (v5.40). Geoscientific Model Development, 2017, 10, 2303-2320.	3.6	28
26	Evaluation of European air quality modelled by CAMx including the volatility basis set scheme. Atmospheric Chemistry and Physics, 2016, 16, 10313-10332.	4.9	47
27	Presentation of the EURODELTA III intercomparison exercise "evaluation of the chemistry transport models' performance on criteria pollutants and joint analysis with meteorology. Atmospheric Chemistry and Physics, 2016, 16, 12667-12701.	4.9	109
28	Contribution of ship emissions to the concentration and deposition of air pollutants in Europe. Atmospheric Chemistry and Physics, 2016, 16, 1895-1906.	4.9	112
29	Modelling Organic Aerosol in Europe: Application of the CAMx Model with a Volatility Basis Set Within the Eurodelta III Exercise. Springer Proceedings in Complexity, 2016, , 11-15.	0.3	0
30	Contribution of Ship Emissions to the Concentration and Deposition of Pollutants in Europe: Seasonal and Spatial Variation. Springer Proceedings in Complexity, 2016, , 265-270.	0.3	1
31	Online coupled regional meteorology chemistry models in Europe: current status and prospects. Atmospheric Chemistry and Physics, 2014, 14, 317-398.	4.9	271
32	A model study on changes of European and Swiss particulate matter, ozone and nitrogen deposition between 1990 and 2020 due to the revised Gothenburg protocol. Atmospheric Chemistry and Physics, 2014, 14, 13081-13095.	4.9	24
33	A Model Study on the Effects of Emission Reductions on European Air Quality Between 1990 and 2020. Springer Proceedings in Complexity, 2014, , 275-280.	0.3	0
34	A comprehensive emission inventory of biogenic volatile organic compounds in Europe: improved seasonality and land-cover. Atmospheric Chemistry and Physics, 2013, 13, 1689-1712.	4.9	89
35	Sensitivity of ozone and aerosols to precursor emissions in Europe. International Journal of Environment and Pollution, 2012, 50, 451.	0.2	19
36	CAMxRunner: a modular framework for efficient chemical transport modelling. International Journal of Environment and Pollution, 2012, 48, 117.	0.2	3

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37	Aerosol modelling in Europe with a focus on Switzerland during summer and winter episodes. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7355-7373.	4.9	73
38	The weekly cycle of ambient concentrations and traffic emissions of coarse (PM ₁₀ â€“PM _{2.5}) atmospheric particles. <i>Atmospheric Environment</i> , 2011, 45, 4580-4590.	4.1	43
39	The impact of reducing the maximum speed limit on motorways in Switzerland to 80km h ⁻¹ on emissions and peak ozone. <i>Environmental Modelling and Software</i> , 2008, 23, 322-332.	4.5	26
40	Influence of various emission scenarios on ozone in Europe. <i>Ecological Modelling</i> , 2008, 217, 209-218.	2.5	12
41	Secondary aerosols in Switzerland and northern Italy: Modeling and sensitivity studies for summer 2003. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	22
42	Contribution of Biogenic Emissions to Carbonaceous Aerosols in Summer and Winter in Switzerland: A Modelling Study. <i>NATO Security Through Science Series C: Environmental Security</i> , 2008, , 101-108.	0.1	0
43	Chapter 2.1 Modeling of secondary aerosols in Switzerland in summer 2003. <i>Developments in Environmental Science</i> , 2007, 6, 75-84.	0.5	0
44	A photochemical modeling study of ozone and formaldehyde generation and budget in the Po basin. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	21
45	Volatile Organic Compounds in the Po Basin. Part B: Biogenic VOCs. <i>Journal of Atmospheric Chemistry</i> , 2005, 51, 293-315.	3.2	26
46	Modeling of formation and distribution of secondary aerosols in the Milan area (Italy). <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	36
47	Modelling of Air Quality with CAMx: A Case Study in Switzerland. <i>Water, Air and Soil Pollution</i> , 2003, 3, 289-305.	0.8	4
48	Model study with UAM-V in the Milan area (I) during PIPAPO: simulations with changed emissions compared to ground and airborne measurements. <i>Atmospheric Environment</i> , 2003, 37, 4133-4147.	4.1	35
49	Unexpected vertical profiles over complex terrain due to the incomplete formulation of transport processes in the SAIMM/UAM-V air quality model. <i>Environmental Modelling and Software</i> , 2002, 17, 747-762.	4.5	5
50	Variability of indicator values for ozone production sensitivity: a model study in Switzerland and San Joaquin Valley (California). <i>Atmospheric Environment</i> , 2001, 35, 5593-5604.	4.1	15
51	Estimates of monoterpene and isoprene emissions from the forests in Switzerland. <i>Journal of Atmospheric Chemistry</i> , 1995, 20, 71-87.	3.2	66
52	Multi-parcel lagrangian model for quantification of influence of alpine air mass exchange on photo-oxidant production. <i>Atmospheric Environment</i> , 1995, 29, 2961-2976.	4.1	6
53	Sorption of nickel on marl. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1992, 164, 389-396.	1.5	4
54	Simultaneous determination of the cation exchange capacity and the exchangeable cations on marl. <i>Clay Minerals</i> , 1991, 26, 567-570.	0.6	13

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55	Sorption of neptunium on clays. Journal of Radioanalytical and Nuclear Chemistry, 1991, 149, 119-122.	1.5	14
56	Cesium sorption on mylonite. Journal of Radioanalytical and Nuclear Chemistry, 1990, 140, 301-313.	1.5	40
57	Sorption of U(VI) on granite. Journal of Radioanalytical and Nuclear Chemistry, 1989, 134, 393-403.	1.5	99
58	Efficiency calibration and summation effects in gamma-ray spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 1988, 125, 3-10.	1.5	10
59	Sorption/desorption of Cs on clay and soil fractions from various regions of Turkey. Science of the Total Environment, 1988, 69, 269-296.	8.0	21
60	Neutron activation analysis of Turkish clays. Journal of Radioanalytical and Nuclear Chemistry, 1986, 104, 97-102.	1.5	2