

# Sebnem Aksoyoglu

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,022  
citations

279487

23  
h-index

264894

42  
g-index

93  
all docs

93  
docs citations

93  
times ranked

2655  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sources of particulate-matter air pollution and its oxidative potential in Europe. <i>Nature</i> , 2020, 587, 414-419.	13.7	352
2	Online coupled regional meteorology chemistry models in Europe: current status and prospects. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 317-398.	1.9	271
3	Contribution of ship emissions to the concentration and deposition of air pollutants in Europe. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1895-1906.	1.9	112
4	Presentation of the EURODELTA III intercomparison exercise "evaluation of the chemistry transport models' performance on criteria pollutants and joint analysis with meteorology. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12667-12701.	1.9	109
5	Sorption of U(VI) on granite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1989, 134, 393-403.	0.7	99
6	A comprehensive emission inventory of biogenic volatile organic compounds in Europe: improved seasonality and land-cover. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1689-1712.	1.9	89
7	Aerosol modelling in Europe with a focus on Switzerland during summer and winter episodes. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7355-7373.	1.9	73
8	Estimates of monoterpene and isoprene emissions from the forests in Switzerland. <i>Journal of Atmospheric Chemistry</i> , 1995, 20, 71-87.	1.4	66
9	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. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7653-7669.	1.9	58
10	Evaluation of European air quality modelled by CAMx including the volatility basis set scheme. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10313-10332.	1.9	47
11	The weekly cycle of ambient concentrations and traffic emissions of coarse (PM <sub>10</sub> â€“PM <sub>2.5</sub> ) atmospheric particles. <i>Atmospheric Environment</i> , 2011, 45, 4580-4590.	1.9	43
12	Cesium sorption on mylonite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1990, 140, 301-313.	0.7	40
13	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.	1.9	40
14	Modeling of formation and distribution of secondary aerosols in the Milan area (Italy). <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	36
15	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.	1.9	36
16	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.	1.9	35
17	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.	1.9	35
18	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). <i>Geoscientific Model Development</i> , 2017, 10, 2303-2320.	1.3	28

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19	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. <i>Atmospheric Environment</i> , 2017, 151, 152-175.	1.9	27
20	Low modeled ozone production suggests underestimation of precursor emissions (especially) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 <i>Chemistry and Physics</i> , 2018, 18, 2175-2198.	1.9	27
21	Volatile Organic Compounds in the Po Basin. Part B: Biogenic VOCs. <i>Journal of Atmospheric Chemistry</i> , 2005, 51, 293-315.	1.4	26
22	The impact of reducing the maximum speed limit on motorways in Switzerland to 80km h <sup>-1</sup> on emissions and peak ozone. <i>Environmental Modelling and Software</i> , 2008, 23, 322-332.	1.9	26
23	Secondary inorganic aerosols in Europe: sources and the significant influence of biogenic VOC emissions, especially on ammonium nitrate. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7757-7773.	1.9	26
24	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. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13081-13095.	1.9	24
25	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.	1.9	24
26	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
27	Sorption/desorption of Cs on clay and soil fractions from various regions of Turkey. <i>Science of the Total Environment</i> , 1988, 69, 269-296.	3.9	21
28	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
29	Changes in ozone and PM <sub>2.5</sub> in Europe during the period of 1990–2030: Role of reductions in land and ship emissions. <i>Science of the Total Environment</i> , 2020, 741, 140467.	3.9	20
30	Sensitivity of ozone and aerosols to precursor emissions in Europe. <i>International Journal of Environment and Pollution</i> , 2012, 50, 451.	0.2	19
31	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.	1.9	15
32	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.	1.9	15
33	Sorption of neptunium on clays. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1991, 149, 119-122.	0.7	14
34	Simultaneous determination of the cation exchange capacity and the exchangeable cations on marl. <i>Clay Minerals</i> , 1991, 26, 567-570.	0.2	13
35	Influence of various emission scenarios on ozone in Europe. <i>Ecological Modelling</i> , 2008, 217, 209-218.	1.2	12
36	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.	0.9	12

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37	EURODELTA III exercise: An evaluation of air quality models'™ capacity to reproduce the carbonaceous aerosol. <i>Atmospheric Environment: X</i> , 2019, 2, 100018.	0.8	11
38	Efficiency calibration and summation effects in gamma-ray spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1988, 125, 3-10.	0.7	10
39	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.	1.9	6
40	Solar 'œbrightening'œ impact on summer surface ozone between 1990 and 2010 in Europe 'œ a model sensitivity study of the influence of the aerosol'œ radiation interactions. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 9741-9765.	1.9	6
41	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.	1.9	5
42	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.	1.3	5
43	Sorption of nickel on marl. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1992, 164, 389-396.	0.7	4
44	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
45	CAMxRunner: a modular framework for efficient chemical transport modelling. <i>International Journal of Environment and Pollution</i> , 2012, 48, 117.	0.2	3
46	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
47	Temporal variations, regional contribution, and cluster analyses of ozone and NOx in a middle eastern megacity during summertime over 2017'œ2019. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	2.7	3
48	Neutron activation analysis of Turkish clays. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1986, 104, 97-102.	0.7	2
49	Ozone Source Apportionment to Quantify Local-to-Continental Source Contributions to Episodic Events in Northern Iberia. <i>Springer Proceedings in Complexity</i> , 2018, , 361-365.	0.2	2
50	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	2
51	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.	1.9	2
52	Contribution of Ship Emissions to the Concentration and Deposition of Pollutants in Europe: Seasonal and Spatial Variation. <i>Springer Proceedings in Complexity</i> , 2016, , 265-270.	0.2	1
53	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
54	A Model Study on the Effects of Emission Reductions on European Air Quality Between 1990 and 2020. <i>Springer Proceedings in Complexity</i> , 2014, , 275-280.	0.2	0

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55	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.	0.2	0
56	The Impact of "Brightening" on Surface O3 Concentrations over Europe Between 1990 and 2010. Springer Proceedings in Complexity, 2018, , 31-36.	0.2	0
57	Effects of Using Two Different Biogenic Emission Models on Ozone and Particles in Europe. Springer Proceedings in Complexity, 2020, , 29-34.	0.2	0
58	Contribution of Biogenic Emissions to Carbonaceous Aerosols in Summer and Winter in Switzerland: A Modelling Study. NATO Security Through Science Series C: Environmental Security, 2008, , 101-108.	0.1	0
59	Role of Organic Aerosol Chemistry Schemes on Particulate Matter Modeling in Europe. Springer Proceedings in Complexity, 2021, , 3-9.	0.2	0
60	Same Model (CAMx6.50), Same Year (2010), Two Different European Projects: How Similar Are the Results?. Springer Proceedings in Complexity, 2021, , 95-100.	0.2	0