Marje Prank

List of Publications by Year
in descending order

35 papers	2,176 citations	304602 22 h-index	454834 30 g-index
45 all docs	45 docs citations	45 times ranked	2961 citing authors

#	Article	IF	Citations
1	Cleaner fuels for ships provide public health benefits with climate tradeoffs. Nature Communications, 2018, 9, 406.	5.8	279
2	Constraining the atmospheric limb of the plastic cycle. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	232
3	Operational model evaluation for particulate matter in Europe and North America in the context of AQMEII. Atmospheric Environment, 2012, 53, 75-92.	1.9	214
4	Model evaluation and ensemble modelling of surface-level ozone in Europe and North America in the context of AQMEII. Atmospheric Environment, 2012, 53, 60-74.	1.9	192
5	Variation of the group 5 grass pollen allergen content of airborne pollen in relation to geographic location and time in season. Journal of Allergy and Clinical Immunology, 2015, 136, 87-95.e6.	1.5	155
6	Release of Bet v 1 from birch pollen from 5 European countries. Results from the HIALINE study. Atmospheric Environment, 2012, 55, 496-505.	1.9	141
7	Evaluation of the meteorological forcing used for the Air Quality Model Evaluation International Initiative (AQMEII) air quality simulations. Atmospheric Environment, 2012, 53, 15-37.	1.9	111
8	A regional-to-global model of emission and transport of sea salt particles in the atmosphere. Journal of Geophysical Research, 2011, 116, .	3.3	109
9	An operational model for forecasting ragweed pollen release and dispersion in Europe. Agricultural and Forest Meteorology, 2013, 182-183, 43-53.	1.9	93
10	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
11	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
12	Effects of ship emissions on air quality in the Baltic Sea region simulated with three different chemistry transport models. Atmospheric Chemistry and Physics, 2019, 19, 7019-7053.	1.9	68
13	Mortality due to Vegetation Fireâ€“Originated PM _{2.5} Exposure in Europeâ€”Assessment for the Years 2005 and 2008. Environmental Health Perspectives, 2017, 125, 30-37.	2.8	52
14	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
15	Climate change impacts the spread potential of wheat stem rust, a significant crop disease. Environmental Research Letters, 2019, 14, 124053.	2.2	47
16	Costs and benefits of low-sulphur fuel standard for Baltic Sea shipping. Journal of Environmental Management, 2016, 184, 431-440.	3.8	41
17	First comparison of symptom data with allergen content (Bet v 1 and Phl p 5 measurements) and pollen data from four European regions during 2009â€“2011. Science of the Total Environment, 2016, 548-549, 229-235.	3.9	41
18	Building an automatic pollen monitoring network (ePIN): Selection of optimal sites by clustering pollen stations. Science of the Total Environment, 2019, 688, 1263-1274.	3.9	40

#	Article	IF	Citations
19	Evaluation of the performance of four chemical transport models in predicting the aerosol chemical composition in Europe in 2005. Atmospheric Chemistry and Physics, 2016, 16, 6041-6070.	1.9	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.	1.9	32
21	Multi-model ensemble simulations of olive pollen distribution in Europe in 2014: current status and outlook. Atmospheric Chemistry and Physics, 2017, 17, 12341-12360.	1.9	25
22	Modelling black carbon absorption of solar radiation: combining external and internal mixing assumptions. Atmospheric Chemistry and Physics, 2019, 19, 181-204.	1.9	24
23	Aerosol optical properties over Europe: an evaluation of the AQMEII Phase 3 simulations against satellite observations. Atmospheric Chemistry and Physics, 2019, 19, 2965-2990.	1.9	17
24	Ejection of Dust From the Ocean as a Potential Source of Marine Ice Nucleating Particles. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033073.	1.2	17
25	Alder pollen in Finland ripens after a short exposure to warm days in early spring, showing biennial variation in the onset of pollen ripening. Agricultural and Forest Meteorology, 2017, 247, 408-413.	1.9	6
26	Impacts of Climate Change on Aeroallergen Dispersion, Transport, and Deposition. , 0, , 50-73.		4
27	The Origins and Formation Mechanisms of Aerosol during a Measurement Campaign in Finnish Lapland, Evaluated Using the Regional Dispersion Model SILAM. NATO Security Through Science Series C: Environmental Security, 2008, , 530-538.	0.1	4
28	Increasing the Number of Allergenic Pollen Species in SILAM Forecasts. Springer Proceedings in Complexity, 2016, , 313-317.	0.2	3
29	Evaluation of Organic Aerosol and Its Precursors in the SILAM Model. Springer Proceedings in Complexity, 2018, , 565-570.	0.2	2
30	The effect of marine ice-nucleating particles on mixed-phase clouds. Atmospheric Chemistry and Physics, 2022, 22, 3763-3778.	1.9	2
31	CTM: Numerical Recipes and Their Implementations. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 425-428.	0.1	0
32	An Assessment of the Emission and Dispersion of Volcanic Ash and Sulphur Dioxide in the Recent Eruptions in Iceland. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 297-301.	0.1	0
33	Evaluation of Simulated Particulate Matter Spread in 2010 Russian Wildfire Case Using Air Quality Monitoring Data. Springer Proceedings in Complexity, 2016, , 547-551.	0.2	0
34	A Suggested Correction to the EMEP Database, Regarding the Location of a Major Industrial Air Pollution Source in Kola Peninsula. NATO Security Through Science Series C: Environmental Security, 2008, , 331-338.	0.1	0
35	APPLICATIONS OF MESOSCALE MODELS FOR AIR POLLUTION RESEARCH. , 0, , 161-198.		0