Itsushi Uno

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2637981/publications.pdf

Version: 2024-02-01

74 papers	4,548 citations	134610 34 h-index	120465 65 g-index
74 all docs	74 docs citations	74 times ranked	4647 citing authors

#	Article	IF	Citations
1	Radon-222 in boundary layer and free tropospheric continental outflow events at three ACE-Asia sites. Tellus, Series B: Chemical and Physical Meteorology, 2022, 57, 124.	0.8	25
2	Returning long-range PM2.5 transport into the leeward of East Asia in 2021 after Chinese economic recovery from the COVID-19 pandemic. Scientific Reports, 2022, 12, 5539.	1.6	11
3	Effect of Asian dust on respiratory symptoms among children with and without asthma, and their sensitivity. Science of the Total Environment, 2021, 753, 141585.	3.9	19
4	Impacts of COVID-19 lockdown, Spring Festival and meteorology on the NO2 variations in early 2020 over China based on in-situ observations, satellite retrievals and model simulations. Atmospheric Environment, 2021, 244, 117972.	1.9	44
5	The 36-Year Historical Variation of Precipitation Chemistry during 1976-2011 at Ryori WMO-GAW Station in Japan. Scientific Online Letters on the Atmosphere, 2021, 17, .	0.6	1
6	Nitrogen burden from atmospheric deposition in East Asian oceans in 2010 based on high-resolution regional numerical modeling. Environmental Pollution, 2021, 286, 117309.	3.7	9
7	Spatio-Temporal Variations of Atmospheric NH3 over East Asia by Comparison of Chemical Transport Model Results, Satellite Retrievals and Surface Observations. Atmosphere, 2020, 11, 900.	1.0	4
8	Influence of the morphological change in natural Asian dust during transport: A modeling study for a typical dust event over northern China. Science of the Total Environment, 2020, 739, 139791.	3.9	8
9	Paradigm shift in aerosol chemical composition over regions downwind of China. Scientific Reports, 2020, 10, 6450.	1.6	45
10	Synergistic effect of water-soluble species and relative humidity on morphological changes in aerosol particles in the Beijing megacity during severe pollution episodes. Atmospheric Chemistry and Physics, 2019, 19, 219-232.	1.9	22
11	Size Distribution and Depolarization Properties of Aerosol Particles over the Northwest Pacific and Arctic Ocean from Shipborne Measurements during an R/V Xuelong Cruise. Environmental Science & Technology, 2019, 53, 7984-7995.	4.6	6
12	Dust Vortex in the Taklimakan Desert by Himawari-8 High Frequency and Resolution Observation. Scientific Reports, 2019, 9, 1209.	1.6	12
13	Dust Heterogeneous Reactions during Long-Range Transport of a Severe Dust Storm in May 2017 over East Asia. Atmosphere, 2019, 10, 680.	1.0	11
14	Seasonal variabilities in chemical compounds and acidity of aerosol particles at urban site in the west Pacific. Environmental Pollution, 2018, 237, 868-877.	3.7	8
15	Importance of mineral dust and anthropogenic pollutants mixing during a long-lasting high PM event over East Asia. Environmental Pollution, 2018, 234, 368-378.	3.7	36
16	Variability of depolarization of aerosol particles in the megacity of Beijing: implications for the interaction between anthropogenic pollutants and mineral dust particles. Atmospheric Chemistry and Physics, 2018, 18, 18203-18217.	1.9	17
17	Retrieval of Aerosol Components Using Multi-Wavelength Mie-Raman Lidar and Comparison with Ground Aerosol Sampling. Remote Sensing, 2018, 10, 937.	1.8	20
18	Chinese province-scale source apportionments for sulfate aerosol in 2005 evaluated by the tagged tracer method. Environmental Pollution, 2017, 220, 1366-1375.	3.7	32

#	Article	IF	Citations
19	Real-time observational evidence of changing Asian dust morphology with the mixing of heavy anthropogenic pollution. Scientific Reports, 2017, 7, 335.	1.6	53
20	Inverse Modeling of Asian Dust Emissions with POPC Observations: A TEMM Dust Sand Storm 2014 Case Study. Scientific Online Letters on the Atmosphere, 2017, 13, 31-35.	0.6	7
21	Dust Acid Uptake Analysis during Long-Lasting Dust and Pollution Episodes over East Asia Based on Synergetic Observation and Chemical Transport Model. Scientific Online Letters on the Atmosphere, 2017, 13, 109-113.	0.6	4
22	Seasonal variation of fine- and coarse-mode nitrates and related aerosols over East Asia: synergetic observations and chemical transport model analysis. Atmospheric Chemistry and Physics, 2017, 17, 14181-14197.	1.9	23
23	Monthly and Diurnal Variation of the Concentrations of Aerosol Surface Area in Fukuoka, Japan, Measured by Diffusion Charging Method. Atmosphere, 2017, 8, 114.	1.0	6
24	Simultaneous Dust and Pollutant Transport over East Asia: The Tripartite Environment Ministers Meeting March 2014 Case Study. Scientific Online Letters on the Atmosphere, 2017, 13, 47-52.	0.6	12
25	Turnaround of Tropospheric Nitrogen Dioxide Pollution Trends in China, Japan, and South Korea. Scientific Online Letters on the Atmosphere, 2016, 12, 170-174.	0.6	45
26	Polarization properties of aerosol particles over western Japan: classification, seasonal variation, and implications for air quality. Atmospheric Chemistry and Physics, 2016, 16, 9863-9873.	1.9	21
27	Importance of coarseâ€mode nitrate produced via sea salt as atmospheric input to East Asian oceans. Geophysical Research Letters, 2016, 43, 5483-5491.	1.5	31
28	Observation of the simultaneous transport of Asian mineral dust aerosols with anthropogenic pollutants using a POPC during a longâ€lasting dust event in late spring 2014. Geophysical Research Letters, 2015, 42, 1593-1598.	1.5	40
29	Comprehensive study of emission source contributions for tropospheric ozone formation over East Asia. Journal of Geophysical Research D: Atmospheres, 2015, 120, 331-358.	1.2	37
30	Record Heavy PM_{2.5} Air Pollution over China in January 2013: Vertical and Horizontal Dimensions. Scientific Online Letters on the Atmosphere, 2014, 10, 136-140.	0.6	26
31	Long-term inverse modeling of Chinese CO emission from satellite observations. Environmental Pollution, 2014, 195, 308-318.	3.7	32
32	Seasonal Characteristics of Spherical Aerosol Distribution in Eastern Asia: Integrated Analysis Using Ground/Space-Based Lidars and a Chemical Transport Model. Scientific Online Letters on the Atmosphere, 2011, 7, 121-124.	0.6	27
33	Modulation of Cloud Droplets and Radiation over the North Pacific by Sulfate Aerosol Erupted from Mount Kilauea. Scientific Online Letters on the Atmosphere, 2011, 7, 77-80.	0.6	20
34	Dust Model Intercomparison Between ADAM and CFORS/Dust For Asian Dust Case in 2007 (March 28 -) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	7
35	Structure of dust and air pollutant outflow over East Asia in the spring. Geophysical Research Letters, 2010, 37, .	1.5	37
36	Modeling the effects of atmospheric nitrogen input on biological production in the Japan Sea. Journal of Oceanography, 2009, 65, 433-438.	0.7	29

#	Article	IF	Citations
37	Asian dust transported one full circuit around theÂglobe. Nature Geoscience, 2009, 2, 557-560.	5.4	689
38	Modeling of the impacts of China's anthropogenic pollutants on the surface ozone summer maximum on the northern Tibetan Plateau. Geophysical Research Letters, 2009, 36, .	1.5	20
39	Future prediction of surface ozone over east Asia using Modelsâ€3 Community Multiscale Air Quality Modeling System and Regional Emission Inventory in Asia. Journal of Geophysical Research, 2008, 113, .	3.3	96
40	MODIS AOT Based Inverse Modeling for Asian Dust. Scientific Online Letters on the Atmosphere, 2008, 4, 89-92.	0.6	4
41	NO_x emission trends for China, 1995â€“2004: The view from the ground and the view from space. Journal of Geophysical Research, 2007, 112, .	3.3	422
42	Evaluation of Asian Dust Absorption in Visible Band with Satellite Observation, Sky-radiometer Measurement, and Chemical Transport Model. Scientific Online Letters on the Atmosphere, 2006, 2, 120-123.	0.6	3
43	A Three-Dimensional Simulation of HO x Concentrations Over East Asia During TRACE-P. Journal of Atmospheric Chemistry, 2006, 54, 233-254.	1.4	5
44	Radon-222 in boundary layer and free tropospheric continental outflow events at three ACE-Asia sites. Tellus, Series B: Chemical and Physical Meteorology, 2005, 57, 124-140.	0.8	49
45	Study of Asian Dust Phenomena in 2001â€“2003 Using A Network of Continuously Operated Polarization Lidars. Water, Air and Soil Pollution, 2005, 5, 145-157.	0.8	33
46	Long-Range Transport of Saharan Dust to East Asia Observed with Lidars. Scientific Online Letters on the Atmosphere, 2005, 1, 121-124.	0.6	21
47	Meteorological Characteristics and Dust Distribution of the Tarim Basin Simulated by the Nesting RAMS/CFORS Dust Model. Journal of the Meteorological Society of Japan, 2005, 83A, 219-239.	0.7	51
48	Significant latitudinal gradient in the surface ozone spring maximum over East Asia. Geophysical Research Letters, 2005, 32, .	1.5	96
49	Numerical Analysis of Inter-Annual Variation of Dust Emission and Transport in East Asia. J Agricultural Meteorology, 2005, 60, 513-518.	0.8	0
50	Continuous observations of Asian dust and other aerosols by polarization lidars in China and Japan during ACE-Asia. Journal of Geophysical Research, 2004, 109, .	3.3	407
51	Impacts of dust on regional tropospheric chemistry during the ACE-Asia experiment: A model study with observations. Journal of Geophysical Research, 2004, 109, .	3.3	116
52	Characteristics of Asian aerosol transport simulated with a regional-scale chemical transport model during the ACE-Asia observation. Journal of Geophysical Research, 2004, 109, .	3.3	36
53	Marine boundary layer dust and pollutant transport associated with the passage of a frontal system over eastern Asia. Journal of Geophysical Research, 2004, 109, .	3.3	94
54	Three-dimensional simulations of inorganic aerosol distributions in east Asia during spring 2001. Journal of Geophysical Research, 2004, 109, .	3.3	80

#	Article	IF	Citations
55	Numerical study of Asian dust transport during the springtime of 2001 simulated with the Chemical Weather Forecasting System (CFORS) model. Journal of Geophysical Research, 2004, 109, .	3.3	80
56	Multiscale simulations of tropospheric chemistry in the eastern Pacific and on the U.S. West Coast during spring 2002. Journal of Geophysical Research, 2004, 109, .	3.3	30
57	Record heavy Asian dust in Beijing in 2002: Observations and model analysis of recent events. Geophysical Research Letters, 2003, 30, .	1.5	166
58	Atmospheric input of mineral dust to the western North Pacific region based on direct measurements and a regional chemical transport model. Geophysical Research Letters, 2003, 30, .	1.5	117
59	Influence of submicron absorptive aerosol on Sea-viewing Wide Field-of-view Sensor (SeaWiFS)-derived marine reflectance during Aerosol Characterization Experiment (ACE)-Asia. Journal of Geophysical Research, 2003, 108, .	3.3	20
60	Large-scale structure of trace gas and aerosol distributions over the western Pacific Ocean during the Transport and Chemical Evolution Over the Pacific (TRACE-P) experiment. Journal of Geophysical Research, 2003, 108, .	3.3	59
61	Impacts of aerosols and clouds on photolysis frequencies and photochemistry during TRACE-P: 2. Three-dimensional study using a regional chemical transport model. Journal of Geophysical Research, 2003, 108, .	3.3	84
62	Influences of biomass burning during the Transport and Chemical Evolution Over the Pacific (TRACE-P) experiment identified by the regional chemical transport model. Journal of Geophysical Research, 2003, 108, .	3.3	65
63	Contribution of biomass and biofuel emissions to trace gas distributions in Asia during the TRACE-P experiment. Journal of Geophysical Research, 2003, 108, .	3.3	68
64	Analysis of surface black carbon distributions during ACE-Asia using a regional-scale aerosol model. Journal of Geophysical Research, 2003, 108, .	3.3	57
65	A model for the radiative forcing during ACE-Asia derived from CIRPAS Twin Otter and R/VRonald H. Browndata and comparison with observations. Journal of Geophysical Research, 2003, 108, .	3.3	78
66	Significance of direct and indirect radiative forcings of aerosols in the East China Sea region. Journal of Geophysical Research, 2003, 108, .	3.3	148
67	Chemical properties and outflow patterns of anthropogenic and dust particles on Rishiri Island during the Asian Pacific Regional Aerosol Characterization Experiment (ACE-Asia). Journal of Geophysical Research, 2003, 108, .	3.3	69
68	Transport of mineral and anthropogenic aerosols during a Kosa event over East Asia. Journal of Geophysical Research, 2002, 107, AAC 3-1.	3.3	87
69	Neutralization of soil aerosol and its impact on the distribution of acid rain over east Asia: Observations and model results. Journal of Geophysical Research, 2002, 107, ACH 6-1.	3.3	95
70	Observation of dust and anthropogenic aerosol plumes in the Northwest Pacific with a two-wavelength polarization lidar on board the research vessel Mirai. Geophysical Research Letters, 2002, 29, 7-1-7-4.	1.5	119
71	Modeling study of long-range transport of Asian dust and anthropogenic aerosols from East Asia. Geophysical Research Letters, 2002, 29, 11-1-11-4.	1.5	109
72	Title is missing!. Water, Air, and Soil Pollution, 2001, 130, 385-390.	1.1	1

#	Article	IF	Citations
73	Importance of Cumulus Parameterization for Precipitation Simulation over East Asia in June.. Journal of the Meteorological Society of Japan, 2001, 79, 939-947.	0.7	87
74	Transboundary Air Pollutants Transport over the East Asra. Wind Engineers JAWE, 1998, 1998, 85-88.	0.0	0