Hiroshi Kobayashi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8432280/publications.pdf

Version: 2024-02-01

17	410	840776 11	996975 15
papers	citations	h-index	g-index

23	23	23	584
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Significant impacts of heterogeneous reactions on the chemical composition and mixing state of dust particles: A case study during dust events over northern China. Atmospheric Environment, 2017, 159, 83-91.	4.1	60
2	Detection of internally mixed Asian dust with air pollution aerosols using a polarization optical particle counter and a polarization-sensitive two-wavelength lidar. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 150, 107-113.	2.3	54
3	Real-time observational evidence of changing Asian dust morphology with the mixing of heavy anthropogenic pollution. Scientific Reports, 2017, 7, 335.	3.3	53
4	Antarctic polar stratospheric clouds under temperature perturbation by nonorographic inertia gravity waves observed by micropulse lidar at Syowa Station. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	45
5	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.	4.0	40
6	Development of a polarization optical particle counter capable of aerosol type classification. Atmospheric Environment, 2014, 97, 486-492.	4.1	39
7	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.	4.9	22
8	Polarization properties of aerosol particles over western Japan: classification, seasonal variation, and implications for air quality. Atmospheric Chemistry and Physics, 2016, 16, 9863-9873.	4.9	21
9	Optical properties of mixed aerosol layers over Japan derived with multi-wavelength Mieâ€“Raman lidar system. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 188, 20-27.	2.3	19
10	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.	4.9	17
11	Exacerbation of PM2.5 concentration due to unpredictable weak Asian dust storm: A case study of an extraordinarily long-lasting spring haze episode in Seoul, Korea. Atmospheric Environment, 2022, 287, 119261.	4.1	11
12	Optical properties of inorganic suspended solids and their influence on ocean colour remote sensing in highly turbid coastal waters. International Journal of Remote Sensing, 2011, 32, 8393-8420.	2.9	9
13	Nocturnal aerosol optical depth measurements with modified sky radiometer POM-02 using the moon as a light source. Atmospheric Measurement Techniques, 2019, 12, 6465-6488.	3.1	9
14	Numerical Simulation and Remote Sensing for the Analysis of Blue Tide Distribution in Tokyo Bay in September 2012. Journal of Advanced Simulation in Science and Engineering, 2015, 2, 1-15.	0.2	5
15	Optical Properties of Aerosols in the Marine Boundary Layer during a Cruise from Tokyo, Japan to Fremantle, Australia.. Journal of the Meteorological Society of Japan, 2003, 81, 151-162.	1.8	4
16	Development of polarization optical particle counter to detect particle shape information. , 2012, , .		1
17	Concentration-depth Profiles of Trace Nickel and Vanadium in Lake Mashu and the Possible Input of Anthropogenically Derived Nickel and Vanadium from the Atmosphere. Bunseki Kagaku, 2010, 59, 1105-1111.	0.2	0