Hiroshi Kobayashi

List of Publications by Year
in descending order

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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	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
2	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
3	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
4	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
5	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
6	Real-time observational evidence of changing Asian dust morphology with the mixing of heavy anthropogenic pollution. Scientific Reports, 2017, 7, 335.	3.3	53
7	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
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	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
10	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
11	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
12	Development of a polarization optical particle counter capable of aerosol type classification. Atmospheric Environment, 2014, 97, 486-492.	4.1	39
13	Development of polarization optical particle counter to detect particle shape information. , 2012, , .		1
14	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
15	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
16	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
17	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