

Nobuyuki Takegawa

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,990
citations

516710

16
h-index

434195

31
g-index

35
all docs

35
docs citations

35
times ranked

3247
citing authors

#	ARTICLE	IF	CITATIONS
1	Ubiquity and dominance of oxygenated species in organic aerosols in anthropogenically influenced Northern Hemisphere midlatitudes. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	1,773
2	Consistency and Traceability of Black Carbon Measurements Made by Laser-Induced Incandescence, Thermal-Optical Transmittance, and Filter-Based Photo-Absorption Techniques. <i>Aerosol Science and Technology</i> , 2011, 45, 295-312.	3.1	194
3	Rapid aerosol particle growth and increase of cloud condensation nucleus activity by secondary aerosol formation and condensation: A case study for regional air pollution in northeastern China. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	186
4	Characterization of an Aerodyne Aerosol Mass Spectrometer (AMS): Intercomparison with Other Aerosol Instruments. <i>Aerosol Science and Technology</i> , 2005, 39, 760-770.	3.1	179
5	Wet removal of black carbon in Asian outflow: Aerosol Radiative Forcing in East Asia (A ² FORCE) aircraft campaign. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	108
6	Size dependence of wet removal of black carbon aerosols during transport from the boundary layer to the free troposphere. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	86
7	Emissions of black carbon in East Asia estimated from observations at a remote site in the East China Sea. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	76
8	Anthropogenic aerosols observed in Asian continental outflow at Jeju Island, Korea, in spring 2005. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	50
9	Laboratory Evaluation of a TSI Condensation Particle Counter (Model 3771) Under Airborne Measurement Conditions. <i>Aerosol Science and Technology</i> , 2011, 45, 272-283.	3.1	35
10	Spatial and temporal variations of new particle formation in East Asia using an NPF ² -explicit WRF ² -chem model: North ² -south contrast in new particle formation frequency. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 11,647.	3.3	35
11	Effects of wet deposition on the abundance and size distribution of black carbon in East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4691-4712.	3.3	34
12	Identification of jet lubrication oil as a major component of aircraft exhaust nanoparticles. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6389-6399.	4.9	32
13	Vertical transport mechanisms of black carbon over East Asia in spring during the A ² FORCE aircraft campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 13,175.	3.3	30
14	Measurements of regional ² -scale aerosol impacts on cloud microphysics over the East China Sea: Possible influences of warm sea surface temperature over the Kuroshio ocean current. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	28
15	Case study of absorption aerosol optical depth closure of black carbon over the East China Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 122-136.	3.3	19
16	Ground ² -based measurement of fluorescent aerosol particles in Tokyo in the spring of 2013: Potential impacts of nonbiological materials on autofluorescence measurements of airborne particles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1171-1185.	3.3	19
17	Modification and laboratory evaluation of a TSI ultrafine condensation particle counter (Model 3776) for airborne measurements. <i>Aerosol Science and Technology</i> , 2017, 51, 235-245.	3.1	16
18	Evaluation of a New Particle Trap in a Laser Desorption Mass Spectrometer for Online Measurement of Aerosol Composition. <i>Aerosol Science and Technology</i> , 2012, 46, 428-443.	3.1	12

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19	Enhanced New Particle Formation Above the Marine Boundary Layer Over the Yellow Sea: Potential Impacts on Cloud Condensation Nuclei. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031448.	3.3	12
20	Characteristics of sub-10 μ m particle emissions from in-use commercial aircraft observed at Narita International Airport. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1085-1104.	4.9	10
21	Variability of aerosol particle number concentrations observed over the western Pacific in the spring of 2009. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 13,474.	3.3	9
22	A New Laser Induced Incandescence μ Mass Spectrometric Analyzer (LII-MS) for Online Measurement of Aerosol Composition Classified by Black Carbon Mixing State. <i>Aerosol Science and Technology</i> , 2014, 48, 853-863.	3.1	9
23	Condensation Particle Counters Combined with a Low-Pressure Impactor for Fast Measurement of Mode-Segregated Aerosol Number Concentration. <i>Aerosol Science and Technology</i> , 2013, 47, 1059-1065.	3.1	8
24	Calibration of a particle mass spectrometer using polydispersed aerosol particles. <i>Aerosol Science and Technology</i> , 2019, 53, 1-7.	3.1	7
25	Evaluation of a particle trap laser desorption mass spectrometer (PT-LDMS) for the quantification of sulfate aerosols. <i>Aerosol Science and Technology</i> , 2016, 50, 173-186.	3.1	6
26	Ionization efficiency of evolved gas molecules from aerosol particles in a thermal desorption aerosol mass spectrometer: Numerical simulations. <i>Aerosol Science and Technology</i> , 2019, 53, 843-852.	3.1	5
27	Ionization efficiency of evolved gas molecules from aerosol particles in a thermal desorption aerosol mass spectrometer: Laboratory experiments. <i>Aerosol Science and Technology</i> , 2019, 53, 86-93.	3.1	5
28	Current situation of atmospheric nanoparticles in Fukue Island, Japan. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 70, 1498688.	1.6	4
29	Mixing State of Black Carbon Particles in Asian Outflow Observed at a Remote Site in Taiwan in the Spring of 2017. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032526.	3.3	1
30	Development of a novel particle mass spectrometer for online measurements of refractory sulfate aerosols. <i>Aerosol Science and Technology</i> , 2021, 55, 371-386.	3.1	1
31	A new method to quantify particulate sodium and potassium salts (nitrate, chloride, and sulfate) by thermal desorption aerosol mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 833-844.	3.1	1