

Nobuyuki Takegawa

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

2,536
citations

15
h-index

35
g-index

35
ext. papers

2,792
ext. citations

4
avg, IF

3.89
L-index

#	Paper	IF	Citations
31	Ubiquity and dominance of oxygenated species in organic aerosols in anthropogenically-influenced Northern Hemisphere midlatitudes. <i>Geophysical Research Letters</i> , 2007 , 34, n/a-n/a	4.9	1497
30	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	3.4	166
29	Characterization of an Aerodyne Aerosol Mass Spectrometer (AMS): Intercomparison with Other Aerosol Instruments. <i>Aerosol Science and Technology</i> , 2005 , 39, 760-770	3.4	166
28	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,		153
27	Wet removal of black carbon in Asian outflow: Aerosol Radiative Forcing in East Asia (A-FORCE) aircraft campaign. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		97
26	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, n/a-n/a	4.9	74
25	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,		73
24	Anthropogenic aerosols observed in Asian continental outflow at Jeju Island, Korea, in spring 2005. <i>Journal of Geophysical Research</i> , 2009 , 114,		42
23	Laboratory Evaluation of a TSI Condensation Particle Counter (Model 3771) Under Airborne Measurement Conditions. <i>Aerosol Science and Technology</i> , 2011 , 45, 272-283	3.4	30
22	Vertical transport mechanisms of black carbon over East Asia in spring during the A-FORCE aircraft campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 13,175-13,198	4.4	28
21	Spatial and temporal variations of new particle formation in East Asia using an NPF-explicit WRF-chem model: North-south contrast in new particle formation frequency. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 11,647-11,663	4.4	28
20	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	4.4	27
19	Measurements of regional-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, n/a-n/a		25
18	Identification of jet lubrication oil as a major component of aircraft exhaust nanoparticles. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 6389-6399	6.8	16
17	Ground-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	4.4	15
16	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	4.4	15
15	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	3.4	13

14	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	3-4	12
13	A New Laser Induced Incandescence 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	3-4	9
12	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, 13,474-13,488	4-4	9
11	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	4-4	9
10	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	3-4	7
9	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	3-4	6
8	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	3-4	5
7	Calibration of a particle mass spectrometer using polydispersed aerosol particles. <i>Aerosol Science and Technology</i> , 2019 , 53, 1-7	3-4	5
6	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	3-4	5
5	Characteristics of sub-10 nm particle emissions from in-use commercial aircraft observed at Narita International Airport. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 1085-1104	6-8	2
4	Development of a novel particle mass spectrometer for online measurements of refractory sulfate aerosols. <i>Aerosol Science and Technology</i> , 2021 , 55, 371-386	3-4	1
3	Current situation of atmospheric nanoparticles in Fukue Island, Japan. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2018 , 70, 1-12	3-3	1
2	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	4	0
1	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	4-4	