

# Nobuyuki Takegawa

## List of Publications by Year in Descending Order

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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	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> , <b>2022</b> , 15, 833-844		0
30	Development of a novel particle mass spectrometer for online measurements of refractory sulfate aerosols. <i>Aerosol Science and Technology</i> , <b>2021</b> , 55, 371-386	3.4	1
29	Characteristics of sub-10 nm particle emissions from in-use commercial aircraft observed at Narita International Airport. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 1085-1104	6.8	2
28	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> , <b>2020</b> , 125, e2020JD032526	4.4	
27	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> , <b>2020</b> , 125, e2019JD031448	4.4	9
26	Identification of jet lubrication oil as a major component of aircraft exhaust nanoparticles. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 6389-6399	6.8	16
25	Ionization efficiency of evolved gas molecules from aerosol particles in a thermal desorption aerosol mass spectrometer: Numerical simulations. <i>Aerosol Science and Technology</i> , <b>2019</b> , 53, 843-852	3.4	5
24	Calibration of a particle mass spectrometer using polydispersed aerosol particles. <i>Aerosol Science and Technology</i> , <b>2019</b> , 53, 1-7	3.4	5
23	Ionization efficiency of evolved gas molecules from aerosol particles in a thermal desorption aerosol mass spectrometer: Laboratory experiments. <i>Aerosol Science and Technology</i> , <b>2019</b> , 53, 86-93	3.4	5
22	Current situation of atmospheric nanoparticles in Fukue Island, Japan. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2018</b> , 70, 1-12	3.3	1
21	Modification and laboratory evaluation of a TSI ultrafine condensation particle counter (Model 3776) for airborne measurements. <i>Aerosol Science and Technology</i> , <b>2017</b> , 51, 235-245	3.4	13
20	Evaluation of a particle trap laser desorption mass spectrometer (PT-LDMS) for the quantification of sulfate aerosols. <i>Aerosol Science and Technology</i> , <b>2016</b> , 50, 173-186	3.4	6
19	Effects of wet deposition on the abundance and size distribution of black carbon in East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 4691-4712	4.4	27
18	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> , <b>2015</b> , 120, 1171-1185	4.4	15
17	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> , <b>2014</b> , 48, 853-863	3.4	9
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> , <b>2014</b> , 119, 122-136	4.4	15
15	Variability of aerosol particle number concentrations observed over the western Pacific in the spring of 2009. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 13,474-13,488	4.4	9

14	Condensation Particle Counters Combined with a Low-Pressure Impactor for Fast Measurement of Mode-Segregated Aerosol Number Concentration. <i>Aerosol Science and Technology</i> , <b>2013</b> , 47, 1059-1065	3-4	7
13	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> , <b>2013</b> , 118, 13,175-13,198	4-4	28
12	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> , <b>2013</b> , 118, 11,647-11,663	4-4	28
11	Wet removal of black carbon in Asian outflow: Aerosol Radiative Forcing in East Asia (A-FORCE) aircraft campaign. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		97
10	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> , <b>2012</b> , 117, n/a-n/a		25
9	Evaluation of a New Particle Trap in a Laser Desorption Mass Spectrometer for Online Measurement of Aerosol Composition. <i>Aerosol Science and Technology</i> , <b>2012</b> , 46, 428-443	3-4	12
8	Size dependence of wet removal of black carbon aerosols during transport from the boundary layer to the free troposphere. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4-9	74
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> , <b>2011</b> , 116,		73
6	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> , <b>2011</b> , 45, 295-312	3-4	166
5	Laboratory Evaluation of a TSI Condensation Particle Counter (Model 3771) Under Airborne Measurement Conditions. <i>Aerosol Science and Technology</i> , <b>2011</b> , 45, 272-283	3-4	30
4	Anthropogenic aerosols observed in Asian continental outflow at Jeju Island, Korea, in spring 2005. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		42
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> , <b>2009</b> , 114,		153
2	Ubiquity and dominance of oxygenated species in organic aerosols in anthropogenically-influenced Northern Hemisphere midlatitudes. <i>Geophysical Research Letters</i> , <b>2007</b> , 34, n/a-n/a	4-9	1497
1	Characterization of an Aerodyne Aerosol Mass Spectrometer (AMS): Intercomparison with Other Aerosol Instruments. <i>Aerosol Science and Technology</i> , <b>2005</b> , 39, 760-770	3-4	166