

T Miyakawa

List of Publications by Citations

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49
papers

2,009
citations

22
h-index

44
g-index

67
ext. papers

2,199
ext. citations

4.8
avg. IF

4.13
L-index

#	Paper	IF	Citations
49	Oxygenated and water-soluble organic aerosols in Tokyo. <i>Journal of Geophysical Research</i> , 2007 , 112,		223
48	Evolution of mixing state of black carbon particles: Aircraft measurements over the western Pacific in March 2004. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	171
47	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
46	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
45	Temporal variations of elemental carbon in Tokyo. <i>Journal of Geophysical Research</i> , 2006 , 111,		142
44	Seasonal and diurnal variations of submicron organic aerosol in Tokyo observed using the Aerodyne aerosol mass spectrometer. <i>Journal of Geophysical Research</i> , 2006 , 111,		139
43	Contribution of Selected Dicarboxylic and Oxocarboxylic Acids in Ambient Aerosol to the m/z 44 Signal of an Aerodyne Aerosol Mass Spectrometer. <i>Aerosol Science and Technology</i> , 2007 , 41, 418-437	3.4	87
42	Partitioning of HNO ₃ and particulate nitrate over Tokyo: Effect of vertical mixing. <i>Journal of Geophysical Research</i> , 2006 , 111,		69
41	Variability of submicron aerosol observed at a rural site in Beijing in the summer of 2006. <i>Journal of Geophysical Research</i> , 2009 , 114,		68
40	Characterization and source apportionment of submicron aerosol with aerosol mass spectrometer during the PRIDE-PRD 2006 campaign. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 6911-6929	6.8	61
39	Evolution of submicron organic aerosol in polluted air exported from Tokyo. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	61
38	Chemical characterization of water-soluble organic carbon aerosols at a rural site in the Pearl River Delta, China, in the summer of 2006. <i>Journal of Geophysical Research</i> , 2009 , 114,		56
37	Relationship between hygroscopicity and cloud condensation nuclei activity for urban aerosols in Tokyo. <i>Journal of Geophysical Research</i> , 2006 , 111,		54
36	Formation of submicron sulfate and organic aerosols in the outflow from the urban region of the Pearl River Delta in China. <i>Atmospheric Environment</i> , 2009 , 43, 3754-3763	5.3	53
35	Performance of an Aerodyne Aerosol Mass Spectrometer (AMS) during Intensive Campaigns in China in the Summer of 2006. <i>Aerosol Science and Technology</i> , 2009 , 43, 189-204	3.4	51
34	Long-term observations of black carbon mass concentrations at Fukue Island, western Japan, during 2009–2015: constraining wet removal rates and emission strengths from East Asia. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 10689-10705	6.8	48
33	Seasonal variations of the transport of black carbon and carbon monoxide from the Asian continent to the western Pacific in the boundary layer. <i>Journal of Geophysical Research</i> , 2011 , 116,		35

32	Removal of sulfur dioxide and formation of sulfate aerosol in Tokyo. <i>Journal of Geophysical Research</i> , 2007 , 112,		35
31	Alteration of the size distributions and mixing states of black carbon through transport in the boundary layer in east Asia. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 5851-5864	6.8	28
30	Formation and Transport of Aerosols in Tokyo in Relation to Their Physical and Chemical Properties: A Review. <i>Journal of the Meteorological Society of Japan</i> , 2010 , 88, 597-624	2.8	24
29	Emission characteristics of refractory black carbon aerosols from fresh biomass burning: a perspective from laboratory experiments. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 13001-13016	6.8	23
28	Photochemical evolution of submicron aerosol chemical composition in the Tokyo megacity region in summer. <i>Journal of Geophysical Research</i> , 2008 , 113,		22
27	Intercomparison between a single particle soot photometer and evolved gas analysis in an industrial area in Japan: Implications for the consistency of soot aerosol mass concentration measurements. <i>Atmospheric Environment</i> , 2016 , 127, 14-21	5.3	20
26	Significant alteration in the hygroscopic properties of urban aerosol particles by the secondary formation of organics. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	20
25	Rapid reduction in black carbon emissions from China: evidence from 2009-2019 observations on Fukue Island, Japan. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 6339-6356	6.8	18
24	Shipborne observations of atmospheric black carbon aerosol particles over the Arctic Ocean, Bering Sea, and North Pacific Ocean during September 2014. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 1914-1921	4.4	18
23	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
22	Dominant contribution of oxygenated organic aerosol to haze particles from real-time observation in Singapore during an Indonesian wildfire event in 2015. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 16481-16498	6.8	15
21	Water uptake by fresh Indonesian peat burning particles is limited by water-soluble organic matter. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11591-11604	6.8	14
20	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
19	Ozone and carbon monoxide observations over open oceans on R/V Mirai from 67°S to 75°N during 2012 to 2017: testing global chemical reanalysis in terms of Arctic processes, low ozone levels at low latitudes, and pollution transport. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 7233-7254	6.8	11
18	Reconsidering Adhesion and Bounce of Submicron Particles Upon High-Velocity Impact. <i>Aerosol Science and Technology</i> , 2013 , 47, 472-481	3.4	10
17	FLEXPART v10.1 simulation of source contributions to Arctic black carbon. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 1641-1656	6.8	9
16	Secondary aerosol formation promotes water uptake by organic-rich wildfire haze particles in equatorial Asia. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 7781-7798	6.8	9
15	Characterization of carbonaceous aerosols in Asian outflow in the spring of 2015: Importance of non-fossil fuel sources. <i>Atmospheric Environment</i> , 2019 , 214, 116858	5.3	9

14	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
13	Constraining the Emission of Particulate Matter From Indonesian Peatland Burning Using Continuous Observation Data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 9828-9842	4.4	8
12	Evaluation of a Heated-Inlet for Calibration of the SP2. <i>Aerosol Science and Technology</i> , 2013 , 47, 895-905.	3.4	7
11	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
10	Evaluation of black carbon mass concentrations using a miniaturized aethalometer: Intercomparison with a continuous soot monitoring system (COSMOS) and a single-particle soot photometer (SP2). <i>Aerosol Science and Technology</i> , 2020 , 54, 811-825	3.4	3
9	Emission Regulations Altered the Concentrations, Origin, and Formation of Carbonaceous Aerosols in the Tokyo Metropolitan Area. <i>Aerosol and Air Quality Research</i> , 2016 , 16, 1603-1614	4.6	3
8	Analysis of the mixing state of airborne particles using a tandem combination of laser-induced fluorescence and incandescence techniques. <i>Journal of Aerosol Science</i> , 2015 , 87, 102-110	4.3	2
7	Mass concentration and origin of black carbon in spring snow on glaciers in the Alaska Range. <i>Polar Science</i> , 2021 , 27, 100572	2.3	2
6	Alteration of the microphysical properties of black carbon through transport in the boundary layer in East Asia 2016 ,		2
5	Dominant contribution of oxygenated organic aerosol to haze particles from real-time observation in Singapore during an Indonesian wildfire event in 2015 2018 ,		1
4	Characterization and source apportionment of submicron aerosol with aerosol mass spectrometer during the PRIDE-PRD 2006 campaign		1
3	Fluorescent biological aerosol particles over the central Pacific Ocean: covariation with ocean surface biological activity indicators. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 15969-15983	6.8	1
2	Full latitudinal marine atmospheric measurements of iodine monoxide. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 4005-4018	6.8	1
1	The Madden-Julian Oscillation Modulates the Air Quality in the Maritime Continent. <i>Earth and Space Science</i> , 2021 , 8, e2021EA001708	3.1	0