

# Kiyoshi Matsumoto

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9992629/publications.pdf>

Version: 2024-02-01

41  
papers

1,084  
citations

516710

16  
h-index

414414

32  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1372  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous measurement of methylamine in size-segregated aerosols and the gas phase. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 73, 1875585.	1.6	2
2	Atmospheric deposition fluxes and processes of the water-soluble and water-insoluble organic carbon in central Japan. <i>Atmospheric Environment</i> , 2022, 271, 118913.	4.1	7
3	Water-soluble organic nitrogen in fine aerosols over the Southern Ocean. <i>Atmospheric Environment</i> , 2022, 287, 119287.	4.1	1
4	Origins of free and combined amino acids in the aerosols at an inland urban site in Japan. <i>Atmospheric Environment</i> , 2021, 259, 118543.	4.1	7
5	Organic and inorganic nitrogen deposition on the red pine forests at the northern foot of Mt. Fuji, Japan. <i>Atmospheric Environment</i> , 2020, 237, 117676.	4.1	13
6	Water-soluble and water-insoluble organic nitrogen in the dry and wet deposition. <i>Atmospheric Environment</i> , 2019, 218, 117022.	4.1	16
7	Simultaneous measurement of the water-soluble organic nitrogen in the gas phase and aerosols at a forested site in Japan. <i>Atmospheric Environment</i> , 2019, 200, 312-318.	4.1	11
8	Water-soluble organic nitrogen in the aerosols and rainwater at an urban site in Japan: Implications for the nitrogen composition in the atmospheric deposition. <i>Atmospheric Environment</i> , 2018, 191, 267-272.	4.1	21
9	Chemical composition of polluted mist droplets. <i>Atmospheric Environment</i> , 2017, 171, 230-236.	4.1	5
10	Origin of the water-soluble organic nitrogen in the maritime aerosol. <i>Atmospheric Environment</i> , 2017, 167, 97-103.	4.1	14
11	Water-soluble organic nitrogen in the gas phase measured by the denuderâ€“filter pack method. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2017, 69, 1306916.	1.6	4
12	Characterization of Chromophoric Water-Soluble Organic Matter in Urban, Forest, and Marine Aerosols by HR-ToF-AMS Analysis and Excitationâ€“Emission Matrix Spectroscopy. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10351-10360.	10.0	139
13	Uncertainties in the measurements of water-soluble organic nitrogen in the aerosol. <i>Atmospheric Environment</i> , 2016, 144, 220-225.	4.1	5
14	Water-soluble organic nitrogen in the ambient aerosols and its contribution to the dry deposition of fixed nitrogen species in Japan. <i>Atmospheric Environment</i> , 2014, 95, 334-343.	4.1	44
15	Volatility of water-soluble organic carbon in ambient aerosols. <i>Journal of Aerosol Science</i> , 2014, 67, 38-47.	3.8	7
16	Partitioning of atmospheric fixed nitrogen species among gas phase, fine particles, and coarse particles. <i>Journal of Aerosol Science</i> , 2012, 54, 49-58.	3.8	4
17	Measurements of particulate sugars at urban and forested suburban sites. <i>Atmospheric Environment</i> , 2011, 45, 2335-2339.	4.1	24
18	Measurements of atmospheric aerosols with diameters greater than 10 <sup>1/4</sup> µm and their contribution to fixed nitrogen deposition in coastal urban environment. <i>Atmospheric Environment</i> , 2011, 45, 6433-6438.	4.1	17

#	ARTICLE	IF	CITATIONS
19	Atmospheric transport and deposition of anthropogenic substances from the Asia to the East China Sea. <i>Marine Chemistry</i> , 2010, 120, 108-115.	2.3	62
20	Volatile organic compounds in ambient aerosols. <i>Atmospheric Research</i> , 2010, 97, 124-128.	4.1	21
21	Seasonal variability of radon-derived fetch regions for Sado Island, Japan, based on 3 years of observations: 2002–2004. <i>Atmospheric Environment</i> , 2009, 43, 271-279.	4.1	34
22	Size partitioning of particulate inorganic nitrogen species between the fine and coarse mode ranges and its implication to their deposition on the surface ocean. <i>Atmospheric Environment</i> , 2009, 43, 4259-4265.	4.1	16
23	Effect of simulated acid fog on membrane-bound calcium (mCa) in fir ( <i>Abies firma</i> ) and cedar ( <i>Cryptomeria japonica</i> ) mesophyll cells. <i>Journal of Forest Research</i> , 2009, 14, 188-192.	1.4	4
24	Effects of acidic fog and ozone on the growth and physiological functions of <i>Fagus crenata</i> saplings. <i>Journal of Forest Research</i> , 2009, 14, 394-399.	1.4	9
25	Geographical distribution of particle number density in the accumulation mode range over the North Pacific Ocean. <i>Atmospheric Research</i> , 2009, 92, 251-257.	4.1	1
26	Growth and physiological responses of beech seedlings to long-term exposure of acid fog. <i>Science of the Total Environment</i> , 2008, 391, 124-131.	8.0	14
27	Leaching of cell wall components caused by acid deposition on fir needles and trees. <i>Science of the Total Environment</i> , 2008, 398, 185-195.	8.0	10
28	Ozone-CO Correlations in Siberian Wildfire Plumes Observed at Rishiri Island. <i>Scientific Online Letters on the Atmosphere</i> , 2008, 4, 65-68.	1.4	28
29	Regional climatology of particulate carbonaceous substances in the northern area of the east Asian Pacific rim. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	13
30	Application of Liesegang Ring Formation on a Gelatin Film to the Determination of Sulfate Concentration in Individual Rain Droplets. <i>Analytical Sciences</i> , 2006, 22, 1559-1563.	1.6	8
31	Scavenging Effect of Precipitation on Volatile Organic Compounds in Ambient Atmosphere. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 1231-1233.	3.2	18
32	Specific Permeation of Hydrophobic Solutes across a Hydrophobic Polymer Membrane. <i>Bulletin of the Chemical Society of Japan</i> , 2005, 78, 1702-1703.	3.2	4
33	Transport and chemical transformation of anthropogenic and mineral aerosol in the marine boundary layer over the western North Pacific Ocean. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	27
34	Positive artifact in the measurement of particulate carbonaceous substances using an ambient carbon particulate monitor. <i>Atmospheric Environment</i> , 2003, 37, 4713-4717.	4.1	20
35	Chemical properties and outflow patterns of anthropogenic and dust particles on Rishiri Island during the Asian Pacific Regional Aerosol Characterization Experiment (ACE-Asia). <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	69
36	Short term variation of marine organic aerosols under the North-western Pacific high pressure region in the summer of 1999.. <i>Geochemical Journal</i> , 2001, 35, 49-57.	1.0	9

#	ARTICLE	IF	CITATIONS
37	Characteristics of dimethylsulfide, ozone, aerosols, and cloud condensation nuclei in air masses over the northwestern Pacific Ocean. <i>Journal of Geophysical Research</i> , 1999, 104, 11675-11693.	3.3	31
38	Sunrise ozone destruction found in the sub-tropical marine boundary layer. <i>Geophysical Research Letters</i> , 1999, 26, 3377-3380.	4.0	58
39	Seasonal characteristics of organic and inorganic species and their size distributions in atmospheric aerosols over the northwest pacific ocean. <i>Atmospheric Environment</i> , 1998, 32, 1931-1946.	4.1	100
40	Contribution of particulate sulfate and organic carbon to cloud condensation nuclei in the marine atmosphere. <i>Geophysical Research Letters</i> , 1997, 24, 655-658.	4.0	106
41	Formation and dissociation of atmospheric particulate nitrate and chloride: An approach based on phase equilibrium. <i>Atmospheric Environment</i> , 1996, 30, 639-648.	4.1	81