

Kiyoshi Matsumoto

List of Publications by Year in descending order

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41
papers

1,084
citations

516710

16
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414414

32
g-index

41
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41
docs citations

41
times ranked

1372
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Chromophoric Water-Soluble Organic Matter in Urban, Forest, and Marine Aerosols by HR-ToF-AMS Analysis and Excitation-Dependent Emission Matrix Spectroscopy. <i>Environmental Science & Technology</i> , 2016, 50, 10351-10360.	10.0	139
2	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
3	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
4	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
5	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
6	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
7	Sunrise ozone destruction found in the sub-tropical marine boundary layer. <i>Geophysical Research Letters</i> , 1999, 26, 3377-3380.	4.0	58
8	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
9	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
10	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
11	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
12	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
13	Measurements of particulate sugars at urban and forested suburban sites. <i>Atmospheric Environment</i> , 2011, 45, 2335-2339.	4.1	24
14	Volatile organic compounds in ambient aerosols. <i>Atmospheric Research</i> , 2010, 97, 124-128.	4.1	21
15	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
16	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
17	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
18	Measurements of atmospheric aerosols with diameters greater than 10 ³ µm and their contribution to fixed nitrogen deposition in coastal urban environment. <i>Atmospheric Environment</i> , 2011, 45, 6433-6438.	4.1	17

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19	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
20	Water-soluble and water-insoluble organic nitrogen in the dry and wet deposition. <i>Atmospheric Environment</i> , 2019, 218, 117022.	4.1	16
21	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
22	Origin of the water-soluble organic nitrogen in the maritime aerosol. <i>Atmospheric Environment</i> , 2017, 167, 97-103.	4.1	14
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	Volatility of water-soluble organic carbon in ambient aerosols. <i>Journal of Aerosol Science</i> , 2014, 67, 38-47.	3.8	7
31	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
32	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
33	Uncertainties in the measurements of water-soluble organic nitrogen in the aerosol. <i>Atmospheric Environment</i> , 2016, 144, 220-225.	4.1	5
34	Chemical composition of polluted mist droplets. <i>Atmospheric Environment</i> , 2017, 171, 230-236.	4.1	5
35	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
36	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

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37	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
38	Water-soluble organic nitrogen in the gas phase measured by the denuder-filter pack method. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2017, 69, 1306916.	1.6	4
39	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
40	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
41	Water-soluble organic nitrogen in fine aerosols over the Southern Ocean. <i>Atmospheric Environment</i> , 2022, 287, 119287.	4.1	1