

Manabu Igawa

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fogwater Chemistry at a Mountainside Forest and the Estimation of the Air Pollutant Deposition via Fog Droplets Based on the Atmospheric Quality at the Mountain Base. Environmental Science & Technology, 1998, 32, 1566-1572.	10.0	85
2	High Frequency and Large Deposition of Acid Fog on High Elevation Forest. Environmental Science & Technology, 2002, 36, 1-6.	10.0	55
3	Adsorption of air pollutants on the grain surface of Japanese cedar pollen. Atmospheric Environment, 2007, 41, 253-260.	4.1	42
4	Characteristics of water-soluble components of atmospheric aerosols in Yokohama and Mt. Oyama, Japan from 1990 to 2001. Atmospheric Environment, 2004, 38, 4701-4708.	4.1	33
5	Fogwater Chemistry at a Mountainside in Japan. Bulletin of the Chemical Society of Japan, 1994, 67, 368-374.	3.2	28
6	Effect of simulated acid fog on needles of fir seedlings. Environmental and Experimental Botany, 1997, 38, 155-163.	4.2	23
7	Elevational Patterns of Acid Deposition into a Forest and Nitrogen Saturation on Mt. Oyama, Japan. Water, Air, and Soil Pollution, 2001, 130, 1091-1096.	2.4	22
8	Deposition of coarse soil particles and ambient gaseous components dominating dew water chemistry. Journal of Geophysical Research, 2003, 108, .	3.3	21
9	Severe leaching of calcium ions from fir needles caused by acid fog. Environmental Pollution, 2002, 119, 375-382.	7.5	20
10	Relationship between crystal structure and oxide-ion conduction in $\text{Ln}_{1-x}\text{Ce}_x\text{Zr}_2\text{O}_7$ ($\text{Ln} = \text{Eu, Nd and La}$) system deduced by neutron and X-ray diffraction. Journal of the Ceramic Society of Japan, 2013, 121, 205-210.	1.1	20
11	Controlling Factors of Weak Acid and Base Concentrations in Urban Dewwater—Comparison of Dew Chemistry with Rain and Fog Chemistry—. Bulletin of the Chemical Society of Japan, 2002, 75, 757-764.	3.2	17
12	Measurements of atmospheric aerosols with diameters greater than $10\ \mu\text{m}$ and their contribution to fixed nitrogen deposition in coastal urban environment. Atmospheric Environment, 2011, 45, 6433-6438.	4.1	17
13	Growth and physiological responses of beech seedlings to long-term exposure of acid fog. Science of the Total Environment, 2008, 391, 124-131.	8.0	14
14	Spontaneous Motion of α -Toluidine Droplets: Repetitive Motion of Running and Squashing. Chemistry Letters, 2012, 41, 609-611.	1.3	13
15	Selective permeation properties of ions through piezodialysis membrane. Journal of Applied Polymer Science, 1984, 29, 709-712.	2.6	12
16	Acid Fog Removes Calcium and Boron from Fir Tree: One of the Possible Causes of Forest Decline. Journal of Forest Research, 2002, 7, 213-215.	1.4	12
17	Special Articles on Global and Regional Environment and Chemistry. Analysis and Scavenging Effect of Acid Fog.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1991, 1991, 698-704.	0.1	10
18	Title is missing!. Water, Air, and Soil Pollution, 2001, 130, 613-618.	2.4	10

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Selective sorption of heavy metal thiocyanate complexes on crown ether resin. <i>Journal of Applied Polymer Science</i> , 1990, 39, 561-569.	2.6	7
22	Characteristics of Fog and Fog Collection with Passive Collector at Mt. Oyama in Japan. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	7
23	Determination of Volatile Organic Compounds in Rainwater and Dew Water by Head Space Solid-Phase Microextraction and Gas Chromatography/Mass Spectrometry. <i>Bunseki Kagaku</i> , 2010, 59, 551-557.	0.2	6
24	Air pollutant deposition at declining forest sites of the Tanzawa Mountains, Japan. <i>Atmospheric Research</i> , 2015, 151, 93-100.	4.1	6
25	Chemical composition of polluted mist droplets. <i>Atmospheric Environment</i> , 2017, 171, 230-236.	4.1	5
26	Reverse osmosis separation of alkaline metal ions through hydrophobic membranes. <i>Journal of Polymer Science, Polymer Letters Edition</i> , 1982, 20, 165-169.	0.4	4
27	Specific Sorption of Cadmium(II) and Lead(II) Chloride Complexes on Crown Ether Resin. <i>Analytical Sciences</i> , 1989, 5, 101-103.	1.6	4
28	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
29	Analysis of Aldehydes in Fogwater by HPLC with Postcolumn Reaction Detector. <i>Analytical Sciences</i> , 1991, 7, 133-134.	1.6	2
30	Effect of Interfacial Curvature on Marangoni Instability at Water/Oil Interface. <i>Chemistry Letters</i> , 2015, 44, 1530-1531.	1.3	2
31	Separation of Heavy Metal Ions with a Chelating Reagent Fixed in an Anion-exchange Membrane. <i>Journal of Ion Exchange</i> , 2007, 18, 506-509.	0.3	2
32	Ion Separation by Charge-Mosaic Membrane System. <i>Separation and Purification Reviews</i> , 1988, 17, 141-154.	0.8	1
33	FIA of fog- and rain-water acidity.. <i>Bunseki Kagaku</i> , 1993, 42, 631-636.	0.2	1
34	Preliminary Study on Evaluation of Effects of Acid Deposition on Forested Ecosystem in East Tanzawa Mountains Estimated from Chemical Characteristics of Stream Waters. <i>Bunseki Kagaku</i> , 2007, 56, 791-798.	0.2	1
35	Atmospheric Corrosion of Galvanized Steel and Stainless Steel in Yokohama and Mt. Oyama. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2013, 62, 460-465.	0.2	1
36	Neutralization Dialysis by Three-Compartment Cell. <i>Journal of Ion Exchange</i> , 2003, 14, 249-252.	0.3	1

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37	Ion Exchange in Membrane Chemistry. Journal of Ion Exchange, 2008, 19, 70-80.	0.3	1
38	Size distribution evaluation of metal in surface water by filtration method.. Bunseki Kagaku, 1993, 42, 259-264.	0.2	0
39	Determination of fluoride and bromide ions in fogwater by ion chromatography.. Bunseki Kagaku, 1994, 43, 1005-1008.	0.2	0
40	“Original Contribution” Rate-limiting Step in Sugar Transport across an Anion-exchange Membrane Fixed with Borate Ions. Membrane, 2013, 38, 240-245.	0.0	0
41	Selective Transport of Mercury(II) Ions across Supported Liquid Membrane with Thymine Derivative as Carrier. Chemistry Letters, 2015, 44, 1732-1734.	1.3	0
42	Quantitative Analytical Method for Single Rain Droplets <i>via</i> Crystal Formation in Photocrosslinking Polymer Gel. Analytical Sciences, 2019, 35, 1263-1267.	1.6	0
43	Membrane Series. 14. Deionization by Neutralization Dialysis.. Journal of Ion Exchange, 1998, 9, 20-25.	0.3	0
44	View for the Achievement Award 2016 from Japan Society of Ion Exchange. Journal of Ion Exchange, 2017, 28, 45-50.	0.3	0