Manabu Igawa

List of Publications by Year
in descending order

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44 papers	528 citations	687363 13 h-index	677142 22 g-index
44 all docs	44 docs citations	44 times ranked	452 citing authors

#	Article	IF	Citations
1	Characteristics of Fog and Fog Collection with Passive Collector at Mt. Oyama in Japan. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	7
2	Quantitative Analytical Method for Single Rain Droplets via Crystal Formation in Photocrosslinking Polymer Gel. Analytical Sciences, 2019, 35, 1263-1267.	1.6	0
3	Chemical composition of polluted mist droplets. Atmospheric Environment, 2017, 171, 230-236.	4.1	5
4	View for the Achievement Award 2016 from Japan Society of Ion Exchange. Journal of Ion Exchange, 2017, 28, 45-50.	0.3	0
5	Effect of Interfacial Curvature on Marangoni Instability at Waterâ€“Oil Interface. Chemistry Letters, 2015, 44, 1530-1531.	1.3	2
6	Selective Transport of Mercury(II) Ions across Supported Liquid Membrane with Thymine Derivative as Carrier. Chemistry Letters, 2015, 44, 1732-1734.	1.3	0
7	Air pollutant deposition at declining forest sites of the Tanzawa Mountains, Japan. Atmospheric Research, 2015, 151, 93-100.	4.1	6
8	Relationship between crystal structure and oxide-ion conduction in <i>Ln</i>₂Zr₂O₇ (<i>Ln</i> = 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
9	ã€Original Contributionã€‘ Rate-limiting Step in Sugar Transport across an Anion-exchange Membrane Fixed with Borate Ions. Membrane, 2013, 38, 240-245.	0.0	0
10	Atmospheric Corrosion of Galvanized Steel and Stainless Steel in Yokohama and Mt. Oyama. Zairyo To Kankyo/ Corrosion Engineering, 2013, 62, 460-465.	0.2	1
11	Spontaneous Motion of o-Toluidine Droplets: Repetitive Motion of Running and Squashing. Chemistry Letters, 2012, 41, 609-611.	1.3	13
12	Measurements of atmospheric aerosols with diameters greater than 10ÂÎ¼m and their contribution to fixed nitrogen deposition in coastal urban environment. Atmospheric Environment, 2011, 45, 6433-6438.	4.1	17
13	Determination of Volatile Organic Compounds in Rainwater and Dew Water by Head Space Solid-Phase Microextraction and Gas Chromatography/Mass Spectrometry. Bunseki Kagaku, 2010, 59, 551-557.	0.2	6
14	Effect of simulated acid fog on membrane-bound calcium (mCa) in fir (Abies firma) and cedar (Cryptomeria japonica) mesophyll cells. Journal of Forest Research, 2009, 14, 188-192.	1.4	4
15	Effects of acidic fog and ozone on the growth and physiological functions of Fagus crenata saplings. Journal of Forest Research, 2009, 14, 394-399.	1.4	9
16	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
17	Leaching of cell wall components caused by acid deposition on fir needles and trees. Science of the Total Environment, 2008, 398, 185-195.	8.0	10
18	Ion Exchange in Membrane Chemistry. Journal of Ion Exchange, 2008, 19, 70-80.	0.3	1

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19	Preliminary Study on Evaluation of Effects of Acid Deposition on Forested Ecosystem in East Tanzawa Mountains Estimated from Chemical Characteristics of Stream Waters. Bunseki Kagaku, 2007, 56, 791-798.	0.2	1
20	Adsorption of air pollutants on the grain surface of Japanese cedar pollen. Atmospheric Environment, 2007, 41, 253-260.	4.1	42
21	Separation of Heavy Metal Ions with a Chelating Reagent Fixed in an Anion-exchange Membrane. Journal of Ion Exchange, 2007, 18, 506-509.	0.3	2
22	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
23	Deposition of coarse soil particles and ambient gaseous components dominating dew water chemistry. Journal of Geophysical Research, 2003, 108, .	3.3	21
24	Neutralization Dialysis by Three-Compartment Cell. Journal of Ion Exchange, 2003, 14, 249-252.	0.3	1
25	Controlling Factors of Weak Acid and Base Concentrations in Urban Dewwaterâ€"Comparison of Dew Chemistry with Rain and Fog Chemistryâ€". Bulletin of the Chemical Society of Japan, 2002, 75, 757-764.	3.2	17
26	High Frequency and Large Deposition of Acid Fog on High Elevation Forest. Environmental Science & Technology, 2002, 36, 1-6.	10.0	55
27	Severe leaching of calcium ions from fir needles caused by acid fog. Environmental Pollution, 2002, 119, 375-382.	7.5	20
28	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
29	Title is missing!. Water, Air, and Soil Pollution, 2001, 130, 613-618.	2.4	10
30	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
31	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
32	Membrane Series. 14. Deionization by Neutralization Dialysis.. Journal of Ion Exchange, 1998, 9, 20-25.	0.3	0
33	Effect of simulated acid fog on needles of fir seedlings. Environmental and Experimental Botany, 1997, 38, 155-163.	4.2	23
34	Fogwater Chemistry at a Mountainside in Japan. Bulletin of the Chemical Society of Japan, 1994, 67, 368-374.	3.2	28
35	Determination of fluoride and bromide ions in fogwater by ion chromatography.. Bunseki Kagaku, 1994, 43, 1005-1008.	0.2	0
36	Size distribution evaluation of metal in surface water by filtration method.. Bunseki Kagaku, 1993, 42, 259-264.	0.2	0

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37	FIA of fog- and rain-water acidity.. Bunseki Kagaku, 1993, 42, 631-636.	0.2	1
38	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
39	Analysis of Aldehydes in Fogwater by HPLC with Postcolumn Reaction Detector. Analytical Sciences, 1991, 7, 133-134.	1.6	2
40	Selective sorption of heavy metal thiocyanate complexes on crown ether resin. Journal of Applied Polymer Science, 1990, 39, 561-569.	2.6	7
41	Specific Sorption of Cadmium(II) and Lead(II) Chloride Complexes on Crown Ether Resin. Analytical Sciences, 1989, 5, 101-103.	1.6	4
42	Ion Separation by Charge-Mosaic Membrane System. Separation and Purification Reviews, 1988, 17, 141-154.	0.8	1
43	Selective permeation properties of ions through piezodialysis membrane. Journal of Applied Polymer Science, 1984, 29, 709-712.	2.6	12
44	Reverse osmosis separation of alkaline metal ions through hydrophobic membranes. Journal of Polymer Science, Polymer Letters Edition, 1982, 20, 165-169.	0.4	4