Masataka Nishikawa

List of Publications by Year
in descending order

108	3,089	147566	168136
papers	citations	31 h-index	53 g-index

109	109	109	2873
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Co-exposure of peptidoglycan and heat-inactivated Asian sand dust exacerbates ovalbumin-induced allergic airway inflammation in mice. Inhalation Toxicology, 2022, 34, 231-243.	0.8	5
2	Development and characteristics of a new certified reference material for landfill cover soil analysis with extraction using dilute hydrochloric acid. Analytical Methods, 2020, 12, 1896-1905.	1.3	0
3	Investigation of inflammation inducing substances in PM2.5 particles by an elimination method using thermal decomposition. Environmental Toxicology, 2019, 34, 1137-1148.	2.1	8
4	Role of iron and oxidative stress in the exacerbation of allergic inflammation in murine lungs caused by urban particulate matter <2.5ÂÎ¼m and desert dust. Journal of Applied Toxicology, 2019, 39, 855-867.	1.4	18
5	Co-exposure to lipopolysaccharide and desert dust causes exacerbation of ovalbumin-induced allergic lung inflammation in mice via TLR4/MyD88-dependent and -independent pathways. Allergy, Asthma and Clinical Immunology, 2019, 15, 82.	0.9	6
6	Effects of coâ€exposure of lipopolysaccharide and Î²â€glucan (Zymosan A) in exacerbating murine allergic asthma associated with Asian sand dust. Journal of Applied Toxicology, 2019, 39, 672-684.	1.4	7
7	Transboundary transport of anthropogenic sulfur in PM2.5 at a coastal site in the Sea of Japan as studied by sulfur isotopic ratio measurement. Science of the Total Environment, 2016, 553, 617-625.	3.9	21
8	Exposure to bisphenol A enhanced lung eosinophilia in adult male mice. Allergy, Asthma and Clinical Immunology, 2016, 12, 16.	0.9	24
9	Co-exposure to zymosan A and heat-inactivated Asian sand dust exacerbates ovalbumin-induced murine lung eosinophilia. Allergy, Asthma and Clinical Immunology, 2016, 12, 48.	0.9	6
10	Desert dust induces TLR signaling to trigger Th2-dominant lung allergic inflammation via a MyD88-dependent signaling pathway. Toxicology and Applied Pharmacology, 2016, 296, 61-72.	1.3	29
11	Silicaâ€carrying particulate matter enhances <scp>B</scp>jerkandera adustaâ€induced murine lung eosinophilia. Environmental Toxicology, 2016, 31, 93-105.	2.1	10
12	Differences in allergic inflammatory responses between urban PM2.5 and fine particle derived from desert-dust in murine lungs. Toxicology and Applied Pharmacology, 2016, 297, 41-55.	1.3	87
13	A method for estimating the fraction of mineral dust in particulate matter using PM2.5-to-PM10 ratios. Particuology, 2016, 28, 114-120.	2.0	53
14	PM2.5-rich dust collected from the air in Fukuoka, Kyushu, Japan, can exacerbate murine lung eosinophilia. Inhalation Toxicology, 2015, 27, 287-299.	0.8	32
15	Aggravation of ovalbumin-induced murine asthma by co-exposure to desert-dust and organic chemicals: an animal model study. Environmental Health, 2014, 13, 83.	1.7	19
16	Effects of Asian sand dust particles on the respiratory and immune system. Journal of Applied Toxicology, 2014, 34, 250-257.	1.4	42
17	Lung inflammation by fungus, Bjerkandera adusta isolated from Asian sand dust (ASD) aerosol and enhancement of ovalbumin-induced lung eosinophilia by ASD and the fungus in mice. Allergy, Asthma and Clinical Immunology, 2014, 10, 10.	0.9	35
18	Enhancement of OVA-induced murine lung eosinophilia by co-exposure to contamination levels of LPS in Asian sand dust and heated dust. Allergy, Asthma and Clinical Immunology, 2014, 10, 30.	0.9	29

#	Article	IF	Citations
19	Induction of immune tolerance and reduction of aggravated lung eosinophilia by co-exposure to Asian sand dust and ovalbumin for 14Âweeks in mice. Allergy, Asthma and Clinical Immunology, 2013, 9, 19.	0.9	11
20	Preparation and chemical characterisation of an Asian mineral dust certified reference material. Analytical Methods, 2013, 5, 4088.	1.3	25
21	Dust and Sand Storms (DSS) in East Asia. Asia-Pacific Journal of Atmospheric Sciences, 2013, 49, 1-2.	1.3	3
22	Analysis of dust events in 2008 and 2009 using the lidar network, surface observations and the CFORS model. Asia-Pacific Journal of Atmospheric Sciences, 2013, 49, 27-39.	1.3	24
23	Effects of two Asian sand dusts transported from the dust source regions of Inner Mongolia and northeast China on murine lung eosinophilia. Toxicology and Applied Pharmacology, 2013, 272, 647-655.	1.3	37
24	Aggravating effects of Asian sand dust on lung eosinophilia in mice immunized beforehand by ovalbumin. Inhalation Toxicology, 2012, 24, 751-761.	0.8	9
25	Effects of Fetal Exposure to Urban Particulate Matter on the Immune System of Male Mouse Offspring. Biological and Pharmaceutical Bulletin, 2012, 35, 1238-1243.	0.6	11
26	Dust, biomass burning smoke, and anthropogenic aerosol detected by polarization-sensitive Mie lidar measurements in Mongolia. Atmospheric Environment, 2012, 54, 231-241.	1.9	9
27	Asian sand dust enhances murine lung inflammation caused by Klebsiella pneumoniae. Toxicology and Applied Pharmacology, 2012, 258, 237-247.	1.3	29
28	Survey of Volatile Organic Compounds (VOCs) in Mt. Tateyama Area. Journal of Environmental Chemistry, 2012, 22, 15-24.	0.1	0
29	Spatial and temporal variations of dust concentrations in the Gobi Desert of Mongolia. Global and Planetary Change, 2011, 78, 14-22.	1.6	83
30	Comparison of Surface Observations and a Regional Dust Transport Model Assimilated with Lidar Network Data in Asian Dust Event of March 29 to April 2, 2007. Scientific Online Letters on the Atmosphere, 2011, 7A, 13-16.	0.6	30
31	Solubility of Iron in the Aerosol Collected during Kosa (Asian Dust) Events in Japan. Scientific Online Letters on the Atmosphere, 2011, 7A, 5-8.	0.6	3
32	Chemical composition of urban airborne particulate matter in Ulaanbaatar. Atmospheric Environment, 2011, 45, 5710-5715.	1.9	36
33	Accurate LC-MS analyses for microcystins using per-15N-labeled microcystins. Analytical and Bioanalytical Chemistry, 2011, 399, 2511-2516.	1.9	34
34	Relationship between Lidar-derived Dust Extinction Coefficients and Mass Concentrations in Japan. Scientific Online Letters on the Atmosphere, 2011, 7A, 1-5.	0.6	32
35	Short-Term Variations in Aerosol Components during the Same Asian Dust (Kosa) Event Observed in Nagasaki, Japan and Beijing, China. Scientific Online Letters on the Atmosphere, 2011, 7A, 9-12.	0.6	5
36	Asian Dust Transport to Kanto by Flow around Japan's Central Mountains. Scientific Online Letters on the Atmosphere, 2011, 7A, 32-35.	0.6	2

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37	Characterization of NIES CRM No. 23 Tea Leaves II for the determination of multielements. Analytical and Bioanalytical Chemistry, 2010, 397, 463-470.	1.9	0
38	Observations on metal concentrations in commercial landings of two species of tilapia (Oreochromis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf and Environmental Chemistry, 2010, 92, 749-763.	0.6	2
39	Airborne Asian sand dust enhances murine lung eosinophilia. Inhalation Toxicology, 2010, 22, 1012-1025.	0.8	40
40	Urban particulate matter in Beijing, China, enhances allergen-induced murine lung eosinophilia. Inhalation Toxicology, 2010, 22, 709-718.	0.8	37
41	Dust Emission Estimated with an Assimilated Dust Transport Model Using Lidar Network Data and Vegetation Growth in the Gobi Desert in Mongolia. Scientific Online Letters on the Atmosphere, 2010, 6, 125-128.	0.6	19
42	Asian sand dust aggravates allergic rhinitis in guinea pigs induced by Japanese cedar pollen. Inhalation Toxicology, 2009, 21, 985-993.	0.8	39
43	Aggravating effect of natural sand dust on male reproductive function in mice. Reproductive Medicine and Biology, 2009, 8, 151-156.	1.0	8
44	NIES certified reference material for microcystins, hepatotoxic cyclic peptide toxins from cyanobacterial blooms in eutrophic water bodies. Analytical and Bioanalytical Chemistry, 2008, 391, 2005-2010.	1.9	12
45	Development and certification of the new NIES CRM 28: urban aerosols for the determination of multielements. Analytical and Bioanalytical Chemistry, 2008, 391, 1997-2003.	1.9	46
46	Effects of Asian Sand Dust, Arizona Sand Dust, Amorphous Silica and Aluminum Oxide on Allergic Inflammation in the Murine Lung. Inhalation Toxicology, 2008, 20, 685-694.	0.8	85
47	Gene Expression Analysis of Murine Lungs Following Pulmonary Exposure to Asian Sand Dust Particles. Experimental Biology and Medicine, 2007, 232, 1109-1118.	1.1	22
48	Radiocarbon Content in Urban Atmospheric Aerosols. Water, Air, and Soil Pollution, 2007, 185, 305-310.	1.1	20
49	Trace Metal Concentrations in the Balmain Bug (Ibacus peronii Leach, 1815) from Southwest Victoria, Australia. Bulletin of Environmental Contamination and Toxicology, 2006, 76, 1007-1013.	1.3	0
50	Trace Metal Concentrations in Wild and Cultured Australian Short-Finned Eel (Anguilla australis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	1.3	12
51	Enhancement of Mite Allergen-Induced Eosinophil Infiltration in the Murine Airway and Local Cytokine/Chemokine Expression by Asian Sand Dust. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2006, 69, 1571-1585.	1.1	47
52	Yellow Sand Dust Event on 13 April 2003 over Western Kyushu, Japan. Scientific Online Letters on the Atmosphere, 2006, 2, 100-103.	0.6	3
53	Development of Inside Stack Sampler for the Determination of Sublimable Boron Compounds. Journal of Environmental Chemistry, 2006, 16, 213-218.	0.1	3
54	Source and evolution of the â€œperfect Asian dust stormâ€•in early April 2001: Implications of the Srâ€“Nd isotope ratios. Atmospheric Environment, 2005, 39, 5568-5575.	1.9	20

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55	Behavior of soil nitrogen and leaching of metal elements from arable land. International Journal of Environmental Analytical Chemistry, 2005, 85, 209-221.	1.8	1
56	Asian sand dust enhances ovalbumin-induced eosinophil recruitment in the alveoli and airway of mice. Environmental Research, 2005, 99, 361-368.	3.7	72
57	Pulmonary toxicity induced by intratracheal instillation of Asian yellow dust (Kosa) in mice. Environmental Toxicology and Pharmacology, 2005, 20, 48-56.	2.0	76
58	Damage and Yellow or Dark Brown Discoloring of Various Garden Plants, Vegetables and Trees Exposed to the Atmosphere Containing Boron Compounds in an Artificial Exposure Chamber. Journal of Environmental Chemistry, 2005, 15, 761-770.	0.1	2
59	Regional Sr?Nd isotopic ratios of soil minerals in northern China as Asian dust fingerprints. Atmospheric Environment, 2004, 38, 3061-3067.	1.9	99
60	Mineralogical variation of Srâ€“Nd isotopic and elemental compositions in loess and desert sand from the central Loess Plateau in China as a provenance tracer of wet and dry deposition in the northwestern Pacific. Chemical Geology, 2004, 204, 45-62.	1.4	190
61	Change in size distribution and chemical composition of kosa (Asian dust) aerosol during long-range transport. Atmospheric Environment, 2003, 37, 4253-4263.	1.9	296
62	Record heavy Asian dust in Beijing in 2002: Observations and model analysis of recent events. Geophysical Research Letters, 2003, 30, .	1.5	166
63	Profiling Characteristics of Airborne Polycyclic Aromatic Hydrocarbons in Beijing, Yinchuan and Chengdu, China. Journal of Environmental Chemistry, 2003, 13, 653-671.	0.1	8
64	Analysis of a Boron Pollution Case by Stable Isotope Ratio. Journal of Environmental Chemistry, 2003, 13, 733-738.	0.1	2
65	Air Pollution by Gas-phase Boron Compounds. Journal of Environmental Chemistry, 2003, 13, 409-416.	0.1	3
66	Estimation of the concentration and chemical composition of kosa aerosols at their origin. Atmospheric Environment, 2002, 36, 4569-4575.	1.9	79
67	Determination of the abundance of Î´15N in nitrate ion in contaminated groundwater samples using an elemental analyzer coupled to a mass spectrometer. Analyst, The, 2001, 126, 1051-1054.	1.7	11
68	Study on Dry Deposition of SO2-NOX onto Loess. Water, Air, and Soil Pollution, 2001, 130, 541-546.	1.1	7
69	Title is missing!. Water, Air, and Soil Pollution, 2001, 130, 763-768.	1.1	17
70	Mobility of the constituents of chromated copper arsenate in a shallow sandy soil. New Zealand Journal of Agricultural Research, 2000, 43, 149-156.	0.9	20
71	Observations on Metal Concentrations in Three Species of Shark (Deania) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (calce… Journal of Agricultural and Food Chemistry, 2000, 48, 4357-4364.	2.4	53
72	Seasonal Fluctuation of Water Soluble Components in the Atmospheric Aerosol collected at Miho Peninsula in Shizuoka Prefecture, Japan.. Journal of Environmental Chemistry, 2000, 10, 337-343.	0.1	0

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73	Organic components in leachates from hazardous waste disposal sites. Waste Management and Research, 1999, 17, 186-197.	2.2	69
74	Leaching of copper, chromium and arsenic in a soil of south west Victoria, Australia. Toxicological and Environmental Chemistry, 1999, 70, 375-384.	0.6	6
75	Chemical characteristics of free tropospheric aerosols over the Japan Sea coast: aircraft-borne measurements. Atmospheric Environment, 1999, 33, 601-609.	1.9	31
76	Organic components in leachates from hazardous waste disposal sites. Waste Management and Research, 1999, 17, 186-197.	2.2	24
77	Examination of an Improved Passive Sampler for Gaseous Mercury on the Landfill Site.. Journal of Environmental Chemistry, 1999, 9, 681-684.	0.1	10
78	Chemical reaction during the coagulation of ammonium sulphate and mineral particles in the atmosphere. Science of the Total Environment, 1998, 224, 87-91.	3.9	68
79	Determination of Trace Elements in an Arctic Ice Core by ICP/MS with a Desolvated Micro-concentric Nebulizer.. Journal of Environmental Chemistry, 1998, 8, 421-427.	0.1	6
80	Surface water chemistry, particularly concentrations of NOâ^'3 and DO and Î´15N values, near a tea plantation in Kyushu, Japan. Journal of Hydrology, 1997, 202, 341-352.	2.3	26
81	Nitrate nitrogen due to fertilizer application to tea plantation and its effect on ambient surface water. Proceedings of Hydraulic Engineering, 1997, 41, 575-580.	0.0	2
82	Determination of organic components in leachates from hazardous waste disposal sites in Japan by gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 1997, 774, 321-332.	1.8	147
83	Simultaneous Determination of Ammonia, Nitrite and Nitrate in the Environmental Samples by HPLC.. Journal of Environmental Chemistry, 1997, 7, 23-30.	0.1	4
84	Preparation of Artificial Kosa Aerosol with Two Original Desert Sands.. Journal of Environmental Chemistry, 1996, 6, 225-231.	0.1	8
85	Aerosol.. Journal of Environmental Chemistry, 1996, 6, 567-573.	0.1	4
86	Carbonate Carbon in the Original Soil Particles of Kosa Aerosols.. Journal of Environmental Chemistry, 1994, 4, 677-682.	0.1	3
87	Availabilities of ICP-AES Analysis with a Ultra-Sonic Nebulizer for Environmental Water Samples.. Journal of Environmental Chemistry, 1994, 4, 683-688.	0.1	1
88	Determination of Lead Isotopic Ratios in Original Kosa Soils.. Journal of Environmental Chemistry, 1994, 4, 863-869.	0.1	1
89	Determination of Fluoride Ion in Water Samples by HPLC Using Lanthanum Alizarin Complexone Method.. Journal of Environmental Chemistry, 1994, 4, 665-670.	0.1	1
90	Environmental Effects of Kosa Aerosol.. Journal of Environmental Chemistry, 1993, 3, 673-682.	0.1	9

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91	Particularities of ICP-AES analysis in routine work.. Journal of Environmental Chemistry, 1993, 3, 789-796.	0.1	1
92	Study on Analysis of N-Nitroso Compounds in the Environment. (II). Determination of Nitrite in Environmental Samples by HPLC using Diazotization Reaction.. Journal of Environmental Chemistry, 1992, 2, 779-785.	0.1	0
93	Kosa aerosol as eolian carrier of anthropogenic material. Science of the Total Environment, 1991, 107, 13-27.	3.9	164
94	CHEMICAL COMPOSITION OF KOSA AEROSOL (YELLOW SAND DUST) COLLECTED IN JAPAN. Analytical Sciences, 1991, 7, 1127-1130.	0.8	28
95	A copper-rich protonemal colony of the mossScopelophila cataractae. Journal of Bryology, 1990, 16, 109-116.	0.4	11
96	Accumulation of scandium in the shoots of aquatic bryophytes in acid water. Hydrobiologia, 1990, 199, 173-177.	1.0	11
97	Vertical Distribution of Particulate Mercury as Measured on a Meteorological Observation Tower (213m). International Journal of Environmental Analytical Chemistry, 1990, 38, 591-598.	1.8	0
98	Copper accumulation and location in the mossScopelophila cataractae. Journal of Bryology, 1988, 15, 353-376.	0.4	31
99	Impurity levels of diverse elements in various collecting media for Andersen sampler.. Bunseki Kagaku, 1987, 36, T123-T128.	0.1	1
100	Emission efficiency for particulate forms of iron and aluminum in rain-water measured by inductively-coupled plasma atomic emission spectrometry. Analytica Chimica Acta, 1987, 193, 355-360.	2.6	7
101	Effect of pretreatment with cadmium/cysteine or metallothionein on accumulation of cadmium challenged with either complexes. Archives of Toxicology, 1986, 58, 261-264.	1.9	6
102	Temporal variation of trace element concentrations in selected rainfall events at Tsukuba, Japan. Atmospheric Environment, 1986, 20, 1931-1940.	1.1	20
103	Evaporation preconcentration of trace elements in rainwater for inductively coupled plasma emission spectrometry.. Bunseki Kagaku, 1985, 34, 659-664.	0.1	7
104	Dissolution of elements from coal fly ash by acid treatments and the accompanied changes in the surface composition.. Bunseki Kagaku, 1985, 34, 305-308.	0.1	1
105	Extent of cadmium accumulation and its effect on essential metals in liver, kidney, and body fluids. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1983, 11, 713-726.	1.1	43
106	Weight determinations of airborne particulates collected on some filters. Bunseki Kagaku, 1983, 32, 768-770.	0.1	1
107	Air Pollution Monitoring and Analysis of Atmospheric Aerosols. Journal of Environmental Conservation Engineering, 1982, 11, 159-163.	0.0	0
108	Variations in different sized water insoluble particulate matter in rain water. Atmospheric Environment, 1967, 21, 1469-1471.	1.1	6