

Nobuyasu Itoh

List of Publications by Year in descending order

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54
papers

749
citations

567281

15
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580821

25
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54
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54
docs citations

54
times ranked

896
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of the dopant for the trace determination of polycyclic aromatic hydrocarbons by liquid chromatography/dopant-assisted atmospheric-pressure photoionization/mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1131, 285-288.	3.7	84
2	Comparison of low-level polycyclic aromatic hydrocarbons in sediment revealed by Soxhlet extraction, microwave-assisted extraction, and pressurized liquid extraction. <i>Analytica Chimica Acta</i> , 2008, 612, 44-52.	5.4	50
3	Temporal changes in the phytoplankton community of the southern basin of Lake Baikal over the last 24,000 years recorded by photosynthetic pigments in a sediment core. <i>Organic Geochemistry</i> , 2002, 33, 1621-1634.	1.8	46
4	Perylene in Lake Biwa sediments originating from <i>Cenococcum geophilum</i> in its catchment area. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 95, 241-251.	3.9	42
5	Optimization of aqueous acetylation for determination of hydroxy polycyclic aromatic hydrocarbons in water by stir bar sorptive extraction and thermal desorption-gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2005, 535, 243-250.	5.4	38
6	Distributions of polycyclic aromatic hydrocarbons in a sediment core from the north basin of Lake Biwa, Japan. <i>Organic Geochemistry</i> , 2010, 41, 845-852.	1.8	35
7	Title is missing!. <i>Journal of Paleolimnology</i> , 2003, 29, 403-422.	1.6	33
8	Development of Certified Reference Material for Quantification of Two Pesticides in Brown Rice. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 8208-8212.	5.2	28
9	Possible precursor of perylene in sediments of Lake Biwa elucidated by stable carbon isotope composition. <i>Geochemical Journal</i> , 2010, 44, 161-166.	1.0	28
10	High dilution surface-enhanced Raman spectroscopy for rapid determination of nicotine in e-liquids for electronic cigarettes. <i>Analyst</i> , 2017, 142, 994-998.	3.5	28
11	Comparison of the behavior of ¹³ C- and deuterium-labeled polycyclic aromatic hydrocarbons in analyses by isotope dilution mass spectrometry in combination with pressurized liquid extraction. <i>Journal of Chromatography A</i> , 2007, 1138, 26-31.	3.7	26
12	Alkaline extraction in combination with microwave-assisted extraction followed by solid-phase extraction treatment for polycyclic aromatic hydrocarbons in a sediment sample. <i>Analytica Chimica Acta</i> , 2008, 615, 47-53.	5.4	20
13	In-tube silylation in combination with thermal desorption gas chromatography-mass spectrometry for the determination of hydroxy polycyclic aromatic hydrocarbons in water. <i>Analytica Chimica Acta</i> , 2006, 555, 201-209.	5.4	18
14	Influence of climate fluctuation on clay formation in the Baikal drainage basin. <i>Journal of Paleolimnology</i> , 2005, 33, 105-121.	1.6	16
15	Effect of residues remaining in the injection liner of a gas chromatograph on the quantification of polycyclic aromatic hydrocarbons by isotope dilution mass spectrometry using deuterium-labeled internal standards. <i>Journal of Chromatography A</i> , 2006, 1134, 246-252.	3.7	16
16	Accurate quantification of polycyclic aromatic hydrocarbons in dust samples using microwave-assisted solvent extraction combined with isotope-dilution mass spectrometry. <i>Analytica Chimica Acta</i> , 2011, 699, 49-56.	5.4	16
17	Evaluation of pressurized liquid extraction for the analysis of four pesticides in unpolished rice. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2008, 43, 390-394.	1.5	13
18	Certified reference material for quantification of polycyclic aromatic hydrocarbons in sediment from the National Metrology Institute of Japan. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 2039-2049.	3.7	13

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19	Phytoplankton assemblage in the Plio-Pleistocene record of Lake Baikal as indicated by sedimentary steryl chlorin esters. <i>Quaternary International</i> , 2009, 205, 126-136.	1.5	12
20	Historical changes in the aquatic environment and input of polycyclic aromatic hydrocarbons over 1000 years in Lake Kitaura, Japan. <i>Limnology</i> , 2017, 18, 51-62.	1.5	12
21	Baseline Assessment for the Consistency of Raman Shifts Acquired with 26 Different Raman Systems and Necessity of a Standardized Calibration Protocol. <i>Analytical Sciences</i> , 2019, 35, 571-576.	1.6	12
22	Sterol composition of steryl chlorin esters (SCEs) formed through grazing of algae by freshwater crustaceans: relevance to the composition of sedimentary SCEs. <i>Limnology</i> , 2005, 6, 45-51.	1.5	11
23	MECHANISM OF IONIZATION OF POLYCYCLIC AROMATIC HYDROCARBONS BY A TOLUENE/ANISOLE MIXTURE AS A DOPANT IN LIQUID CHROMATOGRAPHY/DOPANT-ASSISTED ATMOSPHERIC-PRESSURE PHOTOIONIZATION/MASS SPECTROMETRY. <i>Polycyclic Aromatic Compounds</i> , 2009, 29, 41-55.	2.6	10
24	Application of Pesticide Quantification in Unpolished Rice by LC-Dopant-Assisted Atmospheric Pressure Photoionization-MS. <i>Chromatographia</i> , 2009, 70, 1073-1078.	1.3	10
25	Sedimentary photosynthetic pigments of algae and phototrophic bacteria in Lake Hamana, Japan: temporal changes of anoxia in its five basins. <i>Limnology</i> , 2003, 4, 139-148.	1.5	9
26	Evaluation of Behavioral Differences between Native Polycyclic Aromatic Hydrocarbons and ¹³ C-Labeled Internal Standards during Clean-up Steps of Analysis. <i>Analytical Sciences</i> , 2007, 23, 1245-1248.	1.6	9
27	Variation in concentration of perfluorooctanoic acid in methanol solutions during storage. <i>Chemosphere</i> , 2014, 94, 116-120.	8.2	9
28	Accumulation of sedimentary photosynthetic pigments characterized by pyropheophorbide a and steryl chlorin esters (SCEs) in a shallow eutrophic coastal lake (Lake Hamana, Japan). <i>Estuarine, Coastal and Shelf Science</i> , 2007, 71, 287-300.	2.1	8
29	Reliable estimation of Raman shift and its uncertainty for a non-doped Si substrate (NMIJ CRM 5606a). <i>Journal of Raman Spectroscopy</i> , 2020, 51, 2496-2504.	2.5	8
30	Development of a Polystyrene Reference Material for Raman Spectrometer (NMIJ RM 8158-a). <i>Analytical Sciences</i> , 2021, 37, 1533-1539.	1.6	8
31	Development of vial wall sorptive extraction and its application to determination of progesterone in human serum. <i>Journal of Chromatography A</i> , 2009, 1216, 7553-7557.	3.7	7
32	Determination of the Carbon, Hydrogen and Nitrogen Contents of Alanine and Their Uncertainties Using the Certified Reference Material L-Alanine (NMIJ CRM 6011-a). <i>Analytical Sciences</i> , 2013, 29, 1209-1212.	1.6	7
33	Measuring Number of Free Radicals and Evaluating the Purity of Di(phenyl)-(2,4,6-trinitrophenyl)iminoazanium [DPPH] Reagents by Effective Magnetic Moment Method. <i>Analytical Sciences</i> , 2018, 34, 965-971.	1.6	7
34	Optimization of Microwave-Assisted Extraction for the Determination of Organic Flame Retardants in Acrylonitrile Butadiene Styrene. <i>Analytical Letters</i> , 2015, 48, 2319-2328.	1.8	6
35	Certified reference material for quantification of polycyclic aromatic hydrocarbons and toxic elements in tunnel dust (NMIJ CRM 7308-a) from the National Metrology Institute of Japan. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 2909-2918.	3.7	5
36	Certified calibration solution reference material for the determination of perfluorooctane sulfonate from the National Metrology Institute of Japan (NMIJ). <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 692-705.	3.3	5

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37	Development of plastic disks containing flame retardants for elucidating changes in their concentrations due to simulated weathering and the application of these disks to weathering tests. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 92.	2.7	5
38	Differences in the Yields of Polycyclic Aromatic Hydrocarbons by Pressurized Liquid Extraction and the Japanese Official Method. <i>Analytical Sciences</i> , 2008, 24, 1129-1133.	1.6	4
39	Elucidation of polycyclic aromatic hydrocarbon sources in the sinking particles in Lake Biwa, Japan. <i>Limnology</i> , 2010, 11, 241-250.	1.5	4
40	Accurate Quantification of Polycyclic Aromatic Hydrocarbons in Environmental Samples Using Deuterium-labeled Compounds as Internal Standards. <i>Analytical Sciences</i> , 2008, 24, 1193-1197.	1.6	3
41	Influence of desorption and sorption of water on the purity of perfluorooctanoic acid. <i>Accreditation and Quality Assurance</i> , 2013, 18, 137-142.	0.8	3
42	Evaluation of perfluorooctanoic acid purity based on potentiometric titration. <i>Analytical Methods</i> , 2014, 6, 3177-3182.	2.7	3
43	Residual Photosynthetic Pigments in the Sediment of Lake Baikal as Indicators of Phytoplankton History. , 2003, , 137-160.		3
44	Reliable estimation of Raman shifts for peaks of l-cystine (NMIJ CRM 6025-a) in the low-frequency region. <i>Analytical Sciences</i> , 2022, , 1.	1.6	3
45	Fragmentation of a Non-Ester Pyrethroid Insecticide by Atmospheric Pressure Chemical Ionization. <i>European Journal of Mass Spectrometry</i> , 2009, 15, 45-56.	1.0	2
46	The structure of a perylene-containing fossilized sclerotium is maintained by original silica. <i>Organic Geochemistry</i> , 2013, 63, 37-39.	1.8	2
47	Development of a certified reference material for the determination of perfluorooctanoic acid. <i>Accreditation and Quality Assurance</i> , 2014, 19, 391-396.	0.8	2
48	A Certified Urea Reference Material (NMIJ CRM 6006-a) as a Reliable Calibrant for the Elemental Analyses of Amino Acids and Food Samples. <i>Analytical Sciences</i> , 2014, 30, 471-476.	1.6	2
49	Pre-Feasibility Study on Environmental Pollution of Dechlorane Plus in Resins by Accelerated Weathering Tests . <i>Journal of Environmental Chemistry</i> , 2016, 26, 61-66.	0.2	2
50	Certified reference material for the determination of perfluorooctane sulfonate in acrylonitrile-butadiene-styrene resin (NMIJ CRM 8155-a). <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 56-66.	3.3	2
51	Report of the CCQM-K97: measurement of arsenobetaine standard solution and arsenobetaine content in fish tissue (tunafish). <i>Metrologia</i> , 2017, 54, 08003-08003.	1.2	2
52	Effect of Long-time Heating for Elements from Flame Retardants in Acrylonitrile Butadiene Styrene and Polycarbonate Resin Disks. <i>Analytical Sciences</i> , 2018, 34, 1365-1371.	1.6	1
53	CCQM-K131 Low-polarity analytes in a multicomponent organic solution: polycyclic aromatic hydrocarbons (PAHs) in acetonitrile. <i>Metrologia</i> , 2019, 56, 08003-08003.	1.2	1
54	Evaluation of flame retardancy and flexural property on prepared plastic disks containing known concentrations of flame retardants through simulated weathering tests. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 1287-1295.	1.7	0