Shin-ichi Miyashita

List of Publications by Year
in descending order

35 papers	678 citations	759233 12 h-index	552781 26 g-index
36 all docs	36 docs citations	36 times ranked	872 citing authors

#	Article	IF	Citations
1	Recovery of rare earth elements from the sulfothermophilic red alga Galdieria sulphuraria using aqueous acid. Applied Microbiology and Biotechnology, 2015, 99, 1513-1519.	3.6	86
2	Effective and selective recovery of gold and palladium ions from metal wastewater using a sulfothermophilic red alga, Galdieria sulphuraria. Bioresource Technology, 2016, 211, 759-764.	9.6	81
3	Rapid determination of arsenic species in freshwater organisms from the arsenic-rich Hayakawa River in Japan using HPLC-ICP-MS. Chemosphere, 2009, 75, 1065-1073.	8.2	74
4	Speciation of arsenic trioxide metabolites in blood cells and plasma of a patient with acute promyelocytic leukemia. Analytical and Bioanalytical Chemistry, 2009, 393, 689-697.	3.7	61
5	Highly efficient single-cell analysis of microbial cells by time-resolved inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2014, 29, 1598-1606.	3.0	59
6	High Sensitive Elemental Analysis of Single Yeast Cells (Saccharomyces cerevisiae) by Time-Resolved Inductively-Coupled Plasma Mass Spectrometry Using a High Efficiency Cell Introduction System. Analytical Sciences, 2013, 29, 597-603.	1.6	55
7	Cyanobacteria produce arsenosugars. Environmental Chemistry, 2012, 9, 474.	1.5	31
8	Time-resolved ICP-MS Measurement: a New Method for Elemental and Multiparametric Analysis of Single Cells. Analytical Sciences, 2014, 30, 219-224.	1.6	31
9	High transport efficiency of nanoparticles through a total-consumption sample introduction system and its beneficial application for particle size evaluation in single-particle ICP-MS. Analytical and Bioanalytical Chemistry, 2017, 409, 1531-1545.	3.7	30
10	Evaluation of three different sample introduction systems for single-particle inductively coupled plasma mass spectrometry (spICP-MS) applications. Journal of Analytical Atomic Spectrometry, 2019, 34, 401-406.	3.0	20
11	Arsenic metabolism in cyanobacteria. Environmental Chemistry, 2016, 13, 577.	1.5	17
12	Development of a Certified Reference Material (NMIJ CRM 7531-a) for the Determination of Trace Cadmium and Other Elements in Brown Rice Flour. Analytical Sciences, 2012, 28, 1171-1177.	1.6	12
13	Arsenic is not stored as arsenite - phytochelatin complexes in the seaweeds Fucus spiralis and Hizikia fusiforme. Environmental Chemistry, 2011, 8, 30.	1.5	11
14	Arsenic tolerance in a Chlamydomonas photosynthetic mutant is due to reduced arsenic uptake even in light conditions. Planta, 2012, 236, 1395-1403.	3.2	10
15	A coupling system of capillary gel electrophoresis with inductively coupled plasma-mass spectrometry for the determination of double stranded DNA fragments. Metallomics, 2013, 5, 424.	2.4	9
16	Development of a Certified Reference Material (NMIJ CRM 7512-a) for the Determination of Trace Elements in Milk Powder. Analytical Sciences, 2013, 29, 247-253.	1.6	9
17	Separation and quantification of RNA molecules using sizeâ€exclusion chromatography hyphenated with inductively coupled plasmaâ€mass spectrometry. Electrophoresis, 2014, 35, 1315-1318.	2.4	9
18	Recovery of Au from dilute aqua regia solutions via adsorption on the lyophilized cells of a unicellular red alga Galdieria sulphuraria: A mechanism study. Journal of Hazardous Materials, 2022, 425, 127982.	12.4	8

#	Article	IF	Citations
19	Identification of possible technical problems in determination of the major inorganic constituents of brown-rice flour by evaluating proficiency test results. Analytical and Bioanalytical Chemistry, 2013, 405, 8347-8362.	3.7	7
20	Assessment of technical problems in the analysis of inorganic elements in squid through proficiency testing. TrAC - Trends in Analytical Chemistry, 2016, 76, 216-226.	11.4	7
21	Arsenic-induced pericardial and pleural effusion without acute promyelocytic leukemia differentiation syndrome. Leukemia Research, 2010, 34, e25-e26.	0.8	5
22	A novel concentric grid nebulizer for inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2014, 29, 2136-2145.	3.0	5
23	Single Cell Analysis by Using ICP-MS. , 2017, , 107-124.		5
24	Development of a Certified Reference Material (NMIJ CRM 7203-a) for Elemental Analysis of Tap Water. Analytical Sciences, 2017, 33, 403-407.	1.6	5
25	Cell population behavior of the unicellular red alga Galdieria sulphuraria during precious metal biosorption. Journal of Hazardous Materials, 2022, 432, 128576.	12.4	5
26	Final report on APMP.QM-S5: Essential and toxic elements in seafood. Metrologia, 2013, 50, 08004-08004.	1.2	4
27	Effect of lyophilization on the acid resistance of a unicellular red alga Galdieria sulphuraria during platinum recovery. Journal of Hazardous Materials Advances, 2021, 3, 100015.	3.0	4
28	Multiple-channel Concentric Grid Nebulizer for Online Standard Addition in Inductively Coupled Plasma Optical Emission Spectrometry. Analytical Sciences, 2020, 36, 717-722.	1.6	3
29	Final report of the CCQM-K145: toxic and essential elements in bovine liver. Metrologia, 2020, 57, 08013.	1.2	3
30	Report of the key comparison CCQM-K108 determination of arsenic species, total arsenic and cadmium in brown rice flour. Metrologia, 2015, 52, 08005-08005.	1.2	2
31	Development of a Certified Reference Material (NMIJ CRM 7202-c) for Trace Elemental Analysis of River Water. Bunseki Kagaku, 2020, 69, 11-23.	0.2	1
32	A Simple and Effective Method for Speciation Analysis of 13 Arsenic Species Using HPLC on a Fluorocarbon Stationary Phase Coupled to ICP-MS. Analytical Sciences, 2021, 37, 381-386.	1.6	1
33	Contaminant and other elements in soil (CCQM-K127). Metrologia, 2017, 54, 08010-08010.	1.2	1
34	CCQM-K108.2014: determination of arsenic species and total arsenic in brown rice flour. Metrologia, 2017, 54, 08021-08021.	1.2	1
35	Development and Co-Validation of a Certified Reference Material (NMIJ CRM 7204-A) for the Analysis of Trace Elements in Seawater Sample. Bulletin of the Chemical Society of Japan, 2022, 95, 208-215.	3.2	0