

Shin-ichi Miyashita

List of Publications by Year in descending order

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35
papers

678
citations

759233

12
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26
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36
all docs

36
docs citations

36
times ranked

872
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery of Au from dilute aqua regia solutions via adsorption on the lyophilized cells of a unicellular red alga <i>Galdieria sulphuraria</i> : A mechanism study. <i>Journal of Hazardous Materials</i> , 2022, 425, 127982.	12.4	8
2	Development and Co-Validation of a Certified Reference Material (NMIJ CRM 7204-A) for the Analysis of Trace Elements in Seawater Sample. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 208-215.	3.2	0
3	Cell population behavior of the unicellular red alga <i>Galdieria sulphuraria</i> during precious metal biosorption. <i>Journal of Hazardous Materials</i> , 2022, 432, 128576.	12.4	5
4	A Simple and Effective Method for Speciation Analysis of 13 Arsenic Species Using HPLC on a Fluorocarbon Stationary Phase Coupled to ICP-MS. <i>Analytical Sciences</i> , 2021, 37, 381-386.	1.6	1
5	Effect of lyophilization on the acid resistance of a unicellular red alga <i>Galdieria sulphuraria</i> during platinum recovery. <i>Journal of Hazardous Materials Advances</i> , 2021, 3, 100015.	3.0	4
6	Multiple-channel Concentric Grid Nebulizer for Online Standard Addition in Inductively Coupled Plasma Optical Emission Spectrometry. <i>Analytical Sciences</i> , 2020, 36, 717-722.	1.6	3
7	Development of a Certified Reference Material (NMIJ CRM 7202-c) for Trace Elemental Analysis of River Water. <i>Bunseki Kagaku</i> , 2020, 69, 11-23.	0.2	1
8	Final report of the CCQM-K145: toxic and essential elements in bovine liver. <i>Metrologia</i> , 2020, 57, 08013.	1.2	3
9	Evaluation of three different sample introduction systems for single-particle inductively coupled plasma mass spectrometry (spICP-MS) applications. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 401-406.	3.0	20
10	Single Cell Analysis by Using ICP-MS. , 2017, , 107-124.		5
11	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. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1531-1545.	3.7	30
12	Development of a Certified Reference Material (NMIJ CRM 7203-a) for Elemental Analysis of Tap Water. <i>Analytical Sciences</i> , 2017, 33, 403-407.	1.6	5
13	Contaminant and other elements in soil (CCQM-K127). <i>Metrologia</i> , 2017, 54, 08010-08010.	1.2	1
14	CCQM-K108.2014: determination of arsenic species and total arsenic in brown rice flour. <i>Metrologia</i> , 2017, 54, 08021-08021.	1.2	1
15	Effective and selective recovery of gold and palladium ions from metal wastewater using a sulfotolerant red alga, <i>Galdieria sulphuraria</i> . <i>Bioresource Technology</i> , 2016, 211, 759-764.	9.6	81
16	Assessment of technical problems in the analysis of inorganic elements in squid through proficiency testing. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 76, 216-226.	11.4	7
17	Arsenic metabolism in cyanobacteria. <i>Environmental Chemistry</i> , 2016, 13, 577.	1.5	17
18	Report of the key comparison CCQM-K108 determination of arsenic species, total arsenic and cadmium in brown rice flour. <i>Metrologia</i> , 2015, 52, 08005-08005.	1.2	2

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19	Recovery of rare earth elements from the sulfothermophilic red alga <i>Galdieria sulphuraria</i> using aqueous acid. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1513-1519.	3.6	86
20	Separation and quantification of RNA molecules using size-exclusion chromatography hyphenated with inductively coupled plasma-mass spectrometry. <i>Electrophoresis</i> , 2014, 35, 1315-1318.	2.4	9
21	A novel concentric grid nebulizer for inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 2136-2145.	3.0	5
22	Highly efficient single-cell analysis of microbial cells by time-resolved inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1598-1606.	3.0	59
23	Time-resolved ICP-MS Measurement: a New Method for Elemental and Multiparametric Analysis of Single Cells. <i>Analytical Sciences</i> , 2014, 30, 219-224.	1.6	31
24	Identification of possible technical problems in determination of the major inorganic constituents of brown-rice flour by evaluating proficiency test results. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8347-8362.	3.7	7
25	A coupling system of capillary gel electrophoresis with inductively coupled plasma-mass spectrometry for the determination of double stranded DNA fragments. <i>Metallomics</i> , 2013, 5, 424.	2.4	9
26	Final report on APMP.QM-S5: Essential and toxic elements in seafood. <i>Metrologia</i> , 2013, 50, 08004-08004.	1.2	4
27	Development of a Certified Reference Material (NMIJ CRM 7512-a) for the Determination of Trace Elements in Milk Powder. <i>Analytical Sciences</i> , 2013, 29, 247-253.	1.6	9
28	High Sensitive Elemental Analysis of Single Yeast Cells (<i>Saccharomyces cerevisiae</i>) by Time-Resolved Inductively-Coupled Plasma Mass Spectrometry Using a High Efficiency Cell Introduction System. <i>Analytical Sciences</i> , 2013, 29, 597-603.	1.6	55
29	Cyanobacteria produce arsenosugars. <i>Environmental Chemistry</i> , 2012, 9, 474.	1.5	31
30	Development of a Certified Reference Material (NMIJ CRM 7531-a) for the Determination of Trace Cadmium and Other Elements in Brown Rice Flour. <i>Analytical Sciences</i> , 2012, 28, 1171-1177.	1.6	12
31	Arsenic tolerance in a <i>Chlamydomonas</i> photosynthetic mutant is due to reduced arsenic uptake even in light conditions. <i>Planta</i> , 2012, 236, 1395-1403.	3.2	10
32	Arsenic is not stored as arsenite - phytochelatin complexes in the seaweeds <i>Fucus spiralis</i> and <i>Hizikia fusiforme</i> . <i>Environmental Chemistry</i> , 2011, 8, 30.	1.5	11
33	Arsenic-induced pericardial and pleural effusion without acute promyelocytic leukemia differentiation syndrome. <i>Leukemia Research</i> , 2010, 34, e25-e26.	0.8	5
34	Speciation of arsenic trioxide metabolites in blood cells and plasma of a patient with acute promyelocytic leukemia. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 689-697.	3.7	61
35	Rapid determination of arsenic species in freshwater organisms from the arsenic-rich Hayakawa River in Japan using HPLC-ICP-MS. <i>Chemosphere</i> , 2009, 75, 1065-1073.	8.2	74