

Kazumi Inagaki

List of Publications by Year in descending order

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81
papers

1,770
citations

236925

25
h-index

315739

38
g-index

84
all docs

84
docs citations

84
times ranked

1723
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	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
3	Study on the Formation Process of Oxide Ion and the Influence of Carbon Matrix in Inductively Coupled Plasma Mass Spectrometry Using 18O-Labeled Arsenous Acid. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1637-1644.	3.2	0
4	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
5	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
6	A New Candidate Reference Material for Inorganic Arsenic and Arsenosugars in Hijiki Seaweed: First Results from an Inter-laboratory Study. <i>Analytical Sciences</i> , 2020, 36, 233-239.	1.6	8
7	Study on carbon-induced signal enhancement in inductively coupled plasma mass spectrometry: an approach from the spatial distribution of analyte signal intensities. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1865-1874.	3.0	11
8	Development of certified reference material NMIJ CRM 6205-a for the validation of DNA quantification methods: accurate mass concentrations of 600-bp DNA solutions having artificial sequences. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6091-6100.	3.7	0
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	The role of ICP-MS in inorganic chemical metrology. <i>Metrologia</i> , 2019, 56, 034005.	1.2	20
11	Sensitive Determination of Rb by Cool Plasma ICP-OES. <i>Bunseki Kagaku</i> , 2018, 67, 19-25.	0.2	1
12	Applications and Uncertainty Estimation of Single Level Standard Addition Method ICP-MS for Elemental Analysis in Various Matrix. <i>Analytical Sciences</i> , 2018, 34, 701-710.	1.6	12
13	Single Cell Analysis by Using ICP-MS. , 2017, , 107-124.		5
14	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
15	Cold Plasma: Effective Control of Argon Emission Line Interferences on the Measurement of Rubidium by Axial-view ICP-OES. <i>Chemistry Letters</i> , 2017, 46, 1751-1753.	1.3	1
16	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
17	Report of the CCQM-K123: trace elements in biodiesel fuel. <i>Metrologia</i> , 2017, 54, 08008-08008.	1.2	2
18	Report of the CCQM-K124: trace elements and chromium speciation in drinking water—part A: trace elements in drinking water, part B: chromium speciation in drinking water. <i>Metrologia</i> , 2017, 54, 08012-08012.	1.2	4

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19	CCQM-K108.2014: determination of arsenic species and total arsenic in brown rice flour. <i>Metrologia</i> , 2017, 54, 08021-08021.	1.2	1
20	Formic acid hydrolysis/liquid chromatography isotope dilution mass spectrometry: An accurate method for large DNA quantification. <i>Journal of Chromatography A</i> , 2016, 1468, 109-115.	3.7	12
21	Effective and selective recovery of gold and palladium ions from metal wastewater using a sulfothermophilic red alga, <i>Galdieria sulphuraria</i> . <i>Bioresource Technology</i> , 2016, 211, 759-764.	9.6	81
22	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
23	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
24	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
25	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
26	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
27	Extraction techniques for arsenic species in rice flour and their speciation by HPLC-ICP-MS. <i>Talanta</i> , 2014, 130, 213-220.	5.5	46
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	Modified high performance concentric nebulizer for inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1787.	3.0	15
36	Development of salt-tolerance interface for an high performance liquid chromatography/inductively coupled plasma mass spectrometry system and its application to accurate quantification of DNA samples. <i>Analytica Chimica Acta</i> , 2012, 713, 23-29.	5.4	12

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37	Proficiency test in Japan for the elements in tea-leaf powder. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 34, 152-160.	11.4	16
38	Preparation and certification of Hijiki reference material, NMIJ CRM 7405-a, from the edible marine algae hijiki (<i>Hizikia fusiforme</i>). <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1713-1722.	3.7	27
39	Estimation of the Distribution of Intravenously Injected Adipose Tissue-Derived Stem Cells Labeled with Quantum Dots in Mice Organs through the Determination of their Metallic Components by ICPMS. <i>Analytical Chemistry</i> , 2011, 83, 8252-8258.	6.5	25
40	High performance concentric nebulizer for low-flow rate liquid sample introduction to ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 623-630.	3.0	31
41	Multielement analysis of micro-volume biological samples by ICP-MS with highly efficient sample introduction system. <i>Talanta</i> , 2011, 87, 24-29.	5.5	23
42	Development of a Certified Reference Material (NMIJ CRM 7505-a) for the Determination of Trace Elements in Tea Leaves. <i>Analytical Sciences</i> , 2011, 27, 1149-1155.	1.6	22
43	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
44	Quantification of phosphorus in DNA using capillary electrophoresis hyphenated with inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 7921-7925.	3.7	25
45	Possible chemical forms of cadmium and varietal differences in cadmium concentrations in the phloem sap of rice plants (<i>Oryza sativa</i> L.). <i>Soil Science and Plant Nutrition</i> , 2010, 56, 839-847.	1.9	104
46	On-line elution of iron hydroxide coprecipitate carrier for determination of REEs in natural water by mix-gas ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 364-369.	3.0	27
47	Differences in sensitivity between As(III) and As(V) measured by inductively coupled plasma spectrometry and the factors affecting the incoherent molecular formation (IMF) effect in the plasma. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1682.	3.0	11
48	Determination of REEs in natural water by ICP-MS with the aid of an automatic column changing system. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1253.	3.0	27
49	Determination of phosphorus using capillary electrophoresis and micro-high-performance liquid chromatography hyphenated with inductively coupled plasma mass spectrometry for the quantification of nucleotides. <i>Journal of Chromatography A</i> , 2009, 1216, 7488-7492.	3.7	31
50	Determination of REEs in seawater by ICP-MS after on-line preconcentration using a syringe-driven chelating column. <i>Talanta</i> , 2009, 78, 891-895.	5.5	48
51	Determination of Fe, Cu, Ni, and Zn in seawater by ID-ICP-MS after preconcentration using a syringe-driven chelating column. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1179.	3.0	39
52	Determination and Size-Fractional Distribution of the Elements in Garlic. <i>Analytical Sciences</i> , 2009, 25, 137-140.	1.6	2
53	Improvement of Analytical Sensitivity by Ar-N ₂ Inductively Coupled Plasma in Axially Viewing Optical Emission Spectrometry. <i>Analytical Sciences</i> , 2009, 25, 161-163.	1.6	11
54	Total and Species-Specific Quantitative Analyses of Trace Elements in Sediment by Isotope Dilution Inductively Coupled Plasma Mass Spectrometry. <i>Bunseki Kagaku</i> , 2009, 58, 175-184.	0.2	3

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55	Certification of methylmercury in cod fish tissue certified reference material by species-specific isotope dilution mass spectrometric analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2047-2054.	3.7	19
56	Development of a highly precise ID-ICP-SFMS method for analysis of low concentrations of lead in rice flour reference materials. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2055-2060.	3.7	8
57	The extraction and speciation of arsenic in rice flour by HPLC-ICP-MS. <i>Talanta</i> , 2008, 77, 427-432.	5.5	106
58	Calcium tungstate coprecipitation for removal of Sr interference with determination of Rb by ID-ICP-MS. <i>Talanta</i> , 2008, 77, 897-900.	5.5	9
59	Simultaneous Determination of Trimethyl- and Triethyllead in Urban Dust by Species-specific Isotope Dilution/Gas Chromatography-Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Sciences</i> , 2008, 24, 791-794.	1.6	19
60	Proficiency Testing for Determination of Cadmium and Major Inorganic Constituents in Milled Rice Flour. <i>Bunseki Kagaku</i> , 2008, 57, 427-437.	0.2	1
61	Certification of butyltins and phenyltins in marine sediment certified reference material by species-specific isotope-dilution mass spectrometric analysis using synthesized ¹¹⁸ Sn-enriched organotin compounds. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 2325-2334.	3.7	27
62	Determination of cadmium in grains by isotope dilution ICP-MS and coprecipitation using sample constituents as carrier precipitants. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 691-696.	3.7	20
63	Matrix certified reference materials for environmental monitoring from the National Metrology Institute of Japan (NMIJ). <i>Accreditation and Quality Assurance</i> , 2007, 12, 156-160.	0.8	17
64	Determination of selenium in sediment by isotope-dilution inductively coupled plasma mass spectrometry with an octapole reaction cell. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 67-75.	3.7	20
65	Decomposition of organoarsenic compounds for total arsenic determination in marine organisms by the hydride generation technique. <i>Applied Organometallic Chemistry</i> , 2005, 19, 239-245.	3.5	25
66	Methylmercury in tuna: demonstrating measurement capabilities and evaluating comparability of results worldwide from the CCQM P-39 comparison. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 1058.	3.0	11
67	Certified sediment reference materials for trace element analysis from the National Metrology Institute of Japan (NMIJ). <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1271-1276.	3.7	20
68	Certification of mono-, di-, and tributyltin compounds in marine sediment certified reference material by species-specific isotope dilution mass spectrometric analysis using synthesized ¹¹⁸ Sn-labeled butyltins. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1265-1270.	3.7	23
69	Determination of tributyltin in marine sediment: Comité Consultatif pour la Quantité de Matière (CCQM) pilot study P-18 international intercomparison. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 780-787.	3.7	28
70	Species-specific isotope dilution analysis of mono-, di-, and tri-butyltin compounds in sediment using gas chromatography-inductively coupled plasma mass spectrometry with synthesized ¹¹⁸ Sn-enriched butyltins. <i>Analyst</i> , 2003, 128, 265-272.	3.5	28
71	Major-to-Ultratrace Elements in Bone-Marrow Fluid as Determined by ICP-AES and ICP-MS. <i>Analytical Sciences</i> , 2003, 19, 147-150.	1.6	13
72	Structure and catalytic properties of Ga-MFI in propane aromatization. <i>Applied Catalysis A: General</i> , 2002, 223, 187-193.	4.3	44

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73	Determination of cadmium in sediment by isotope dilution inductively coupled plasma mass spectrometry using a co-precipitation separation technique. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1370-1374.	3.0	29
74	Analytical Chemistry for Advanced Technologies. Analysis of cadmium and lead in sediment by isotope-dilution ICP-MS.. <i>Bunseki Kagaku</i> , 2001, 50, 829-835.	0.2	10
75	Speciation of Trace Elements, Binding and Non-binding with Proteins in Human Blood Serum, by Surfactant-Mediated HPLC with Element-Selective Detection by ICP-MS.. <i>Analytical Sciences</i> , 2000, 16, 787-788.	1.6	19
76	Determination of rare earth elements in human blood serum by inductively coupled plasma mass spectrometry after chelating resin preconcentration. <i>Analyst, The</i> , 2000, 125, 191-196.	3.5	70
77	Speciation of protein-binding zinc and copper in human blood serum by chelating resin pre-treatment and inductively coupled plasma mass spectrometry. <i>Analyst, The</i> , 2000, 125, 197-203.	3.5	55
78	Determination of lanthanum and rare earth elements in bovine whole blood reference material by ICP-MS after coprecipitation preconcentration with heme-iron as coprecipitant. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 363, 277-282.	1.5	32
79	Multielement determination of major-to-ultratrace elements in biological samples by analytical plasma spectrometry.. <i>Bunseki Kagaku</i> , 1999, 48, 57-67.	0.2	8
80	Direct injection determination of theophylline and caffeine in blood serum by high-performance liquid chromatography using an ODS column coated with a zwitterionic bile acid derivative. <i>Analyst, The</i> , 1998, 123, 1767-1770.	3.5	29
81	Rare Earth Elements in Human Blood Serum as Determined by Inductively Coupled Plasma Mass Spectrometry. <i>Chemistry Letters</i> , 1997, 26, 775-776.	1.3	2