

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	The extraction and speciation of arsenic in rice flour by HPLC-ICP-MS. <i>Talanta</i> , 2008, 77, 427-432.	5.5	106
2	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
3	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
4	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
5	Determination of rare earth elements in human blood serum by inductively coupled plasma mass spectrometry after chelating resin preconcentration. <i>Analyst</i> , 2000, 125, 191-196.	3.5	70
6	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
7	Speciation of protein-binding zinc and copper in human blood serum by chelating resin pre-treatment and inductively coupled plasma mass spectrometry. <i>Analyst</i> , 2000, 125, 197-203.	3.5	55
8	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
9	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
10	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
11	Structure and catalytic properties of Ga-MFI in propane aromatization. <i>Applied Catalysis A: General</i> , 2002, 223, 187-193.	4.3	44
12	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
13	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
14	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
15	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
16	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
17	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
18	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</i> , 1998, 123, 1767-1770.	3.5	29

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	The role of ICP-MS in inorganic chemical metrology. <i>Metrologia</i> , 2019, 56, 034005.	1.2	20

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37	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.. Analytical Sciences, 2000, 16, 787-788.	1.6	19
38	Certification of methylmercury in cod fish tissue certified reference material by species-specific isotope dilution mass spectrometric analysis. Analytical and Bioanalytical Chemistry, 2008, 391, 2047-2054.	3.7	19
39	Simultaneous Determination of Trimethyl-and Triethyllead in Urban Dust by Species-specific Isotope Dilution/Gas Chromatography-Inductively Coupled Plasma Mass Spectrometry. Analytical Sciences, 2008, 24, 791-794.	1.6	19
40	Matrix certified reference materials for environmental monitoring from the National Metrology Institute of Japan (NMIJ). Accreditation and Quality Assurance, 2007, 12, 156-160.	0.8	17
41	Proficiency test in Japan for the elements in tea-leaf powder. TrAC - Trends in Analytical Chemistry, 2012, 34, 152-160.	11.4	16
42	Modified high performance concentric nebulizer for inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2012, 27, 1787.	3.0	15
43	Major-to-Ultratrace Elements in Bone-Marrow Fluid as Determined by ICP-AES and ICP-MS.. Analytical Sciences, 2003, 19, 147-150.	1.6	13
44	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
45	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. Analytica Chimica Acta, 2012, 713, 23-29.	5.4	12
46	Formic acid hydrolysis/liquid chromatography isotope dilution mass spectrometry: An accurate method for large DNA quantification. Journal of Chromatography A, 2016, 1468, 109-115.	3.7	12
47	Applications and Uncertainty Estimation of Single Level Standard Addition Method ICP-MS for Elemental Analysis in Various Matrix. Analytical Sciences, 2018, 34, 701-710.	1.6	12
48	Methylmercury in tuna: demonstrating measurement capabilities and evaluating comparability of results worldwide from the CCQM P-39 comparison. Journal of Analytical Atomic Spectrometry, 2005, 20, 1058.	3.0	11
49	Improvement of Analytical Sensitivity by Ar-N2 Inductively Coupled Plasma in Axially Viewing Optical Emission Spectrometry. Analytical Sciences, 2009, 25, 161-163.	1.6	11
50	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. Journal of Analytical Atomic Spectrometry, 2010, 25, 1682.	3.0	11
51	Study on carbon-induced signal enhancement in inductively coupled plasma mass spectrometry: an approach from the spatial distribution of analyte signal intensities. Journal of Analytical Atomic Spectrometry, 2019, 34, 1865-1874.	3.0	11
52	Analytical Chemistry for Advanced Technologies. Analysis of cadmium and lead in sediment by isotope-dilution ICP-MS.. Bunseki Kagaku, 2001, 50, 829-835.	0.2	10
53	Calcium tungstate coprecipitation for removal of Sr interference with determination of Rb by ID-ICP-MS. Talanta, 2008, 77, 897-900.	5.5	9
54	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

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55	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
56	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
57	Multielement determination of major-to-ultratraces elements in biological samples by analytical plasma spectrometry. <i>Bunseki Kagaku</i> , 1999, 48, 57-67.	0.2	8
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	Single Cell Analysis by Using ICP-MS. , 2017, , 107-124.		5
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	Determination and Size-Fractional Distribution of the Elements in Garlic. <i>Analytical Sciences</i> , 2009, 25, 137-140.	1.6	2
74	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
75	Report of the CCQM-K123: trace elements in biodiesel fuel. <i>Metrologia</i> , 2017, 54, 08008-08008.	1.2	2
76	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
77	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
78	Sensitive Determination of Rb by Cool Plasma ICP-OES. <i>Bunseki Kagaku</i> , 2018, 67, 19-25.	0.2	1
79	CCQM-K108.2014: determination of arsenic species and total arsenic in brown rice flour. <i>Metrologia</i> , 2017, 54, 08021-08021.	1.2	1
80	Development of certified reference material NMJJ 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
81	Study on the Formation Process of Oxide Ion and the Influence of Carbon Matrix in Inductively Coupled Plasma Mass Spectrometry Using ¹⁸ O-Labeled Arsenous Acid. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1637-1644.	3.2	0