

# Akiko Takatsu

## List of Publications by Year in descending order

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138  
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2,560  
citations

185998

28  
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276539

41  
g-index

138  
all docs

138  
docs citations

138  
times ranked

2342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Gold Nanoparticles Synthesized Using Sucrose by Seeding Formation in the Solid Phase and Seeding Growth in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2004, 108, 7006-7011.	1.2	111
2	Determination of ethanol in alcoholic beverages by high-performance liquid chromatography with flame ionization detection using pure water as mobile phase. <i>Journal of Chromatography A</i> , 2002, 976, 387-391.	1.8	99
3	Electrochemical DNA Methylation Detection for Enzymatically Digested CpG Oligonucleotides. <i>Analytical Chemistry</i> , 2011, 83, 7595-7599.	3.2	89
4	Application of amino acid analysis using hydrophilic interaction liquid chromatography coupled with isotope dilution mass spectrometry for peptide and protein quantification. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3059-3064.	1.2	68
5	Applications of stir-bar sorptive extraction to food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 45, 280-293.	5.8	67
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.	1.6	59
7	Investigation on chemical species of arsenic, selenium and antimony in fly ash from coal fuel thermal power stations. <i>Journal of Environmental Monitoring</i> , 2005, 7, 1342.	2.1	56
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.	0.8	55
9	A Slab-Optical-Waveguide Absorption Spectroscopy of Langmuir-Blodgett Films with a White Light Excitation Source. <i>Chemistry Letters</i> , 1995, 24, 437-438.	0.7	45
10	Optical waveguide spectrometer based on thin-film glass plates. <i>Optics Letters</i> , 2002, 27, 2001.	1.7	45
11	Adsorption Behavior of Cytochrome c, Myoglobin and Hemoglobin in a Quartz Surface Probed Using Slab Optical Waveguide (SOWG) Spectroscopy. <i>Analytical Sciences</i> , 2003, 19, 199-204.	0.8	44
12	Quantitative Nuclear Magnetic Resonance Spectroscopy Based on PULCON Methodology: Application to Quantification of Invaluable Marine Toxin, Okadaic Acid. <i>Toxins</i> , 2016, 8, 294.	1.5	43
13	Composite optical waveguide composed of a tapered film of bromothymol blue evaporated onto a potassium ion-exchanged waveguide and its application as a guided wave absorption-based ammonia-gas sensor. <i>Optics Letters</i> , 2001, 26, 629.	1.7	42
14	Absorption Spectra of Rhodamine 6G by Slab Optical Waveguide Spectroscopy. <i>Chemistry Letters</i> , 1996, 25, 105-106.	0.7	39
15	Prism-coupled multimode waveguide refractometer. <i>Optics Letters</i> , 2002, 27, 689.	1.7	39
16	Spectroelectrochemical studies on surface immobilized cytochrome c on ITO electrode by slab optical waveguide spectroscopy. <i>Thin Solid Films</i> , 2003, 438-439, 403-406.	0.8	39
17	Development of SI-traceable C-peptide certified reference material NMIJ CRM 6901-a using isotope-dilution mass spectrometry-based amino acid analyses. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 13-21.	1.9	39
18	A novel amino acid analysis method using derivatization of multiple functional groups followed by liquid chromatography/tandem mass spectrometry. <i>Analyst</i> , The, 2015, 140, 1965-1973.	1.7	38

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19	Microwave-Assisted Steam Distillation for Simple Determination of Polychlorinated Biphenyls and Organochlorine Pesticides in Sediments. <i>Analytical Chemistry</i> , 2003, 75, 1450-1457.	3.2	37
20	A Kinetic Study of Cytochrome c Adsorption to Hydrophilic Glass by Broad-Band, Time-Resolved Optical Waveguide Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6873-6875.	1.2	36
21	Implementing a Reference Measurement System for C-Peptide: Successes and Lessons Learned. <i>Clinical Chemistry</i> , 2017, 63, 1447-1456.	1.5	34
22	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.	1.8	31
23	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.	1.6	31
24	Time-resolved ICP-MS Measurement: a New Method for Elemental and Multiparametric Analysis of Single Cells. <i>Analytical Sciences</i> , 2014, 30, 219-224.	0.8	31
25	In Situ Observation of Adsorbed Heptylviologen Cation Radicals by Slab Optical Waveguide Spectroscopy Utilizing Indium-tin-oxide Electrode. <i>Chemistry Letters</i> , 1998, 27, 125-126.	0.7	30
26	Sediment certified reference materials for the determination of polychlorinated biphenyls and organochlorine pesticides from the National Metrology Institute of Japan (NMIJ). <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 2313-2323.	1.9	30
27	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.	1.9	30
28	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.	1.6	29
29	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.	1.9	28
30	Species-specific isotope dilution analysis of mono-, di-, and tri-butyltin compounds in sediment using gas chromatography-inductively coupled plasma mass spectrometry with synthesized <sup>118</sup> Sn-enriched butyltins. <i>Analyst</i> , 2003, 128, 265-272.	1.7	28
31	Certification of butyltins and phenyltins in marine sediment certified reference material by species-specific isotope-dilution mass spectrometric analysis using synthesized <sup>118</sup> Sn-enriched organotin compounds. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 2325-2334.	1.9	27
32	Experimental evidence of the reversibility of the first stage of protein adsorption at a hydrophobic quartz surface near the isoelectric point. <i>Surface and Interface Analysis</i> , 2003, 35, 432-436.	0.8	26
33	Simultaneous determination of methylene blue and new methylene blue by slab optical waveguide spectroscopy and artificial neural networks. <i>Analytica Chimica Acta</i> , 2003, 487, 109-116.	2.6	25
34	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.	1.7	25
35	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.	1.8	25
36	Certification of mono-, di-, and tributyltin compounds in marine sediment certified reference material by species-specific isotope dilution mass spectrometric analysis using synthesized <sup>118</sup> Sn-labeled butyltins. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1265-1270.	1.9	23

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37	Preparation of Sulfoxide Residue Bonded Silica Stationary Phase for Separation of Polychlorinated Biphenyls from Mineral Oils. <i>Analytical Chemistry</i> , 2007, 79, 9211-9217.	3.2	23
38	Multielement analysis of micro-volume biological samples by ICP-MS with highly efficient sample introduction system. <i>Talanta</i> , 2011, 87, 24-29.	2.9	23
39	Proficiency testing for determination of pesticide residues in soybean: Comparison of assigned values from participants <sup>x3</sup> results and isotope-dilution mass spectrometric determination. <i>Talanta</i> , 2015, 132, 269-277.	2.9	23
40	UV-visible Slab Optical Waveguide Spectroscopy of Cytochrome c Adsorbed on a Liquid-Solid Interface. <i>Chemistry Letters</i> , 1999, 28, 31-32.	0.7	22
41	In situ monitoring of metal nanoparticle self-assembly on protein-functionalized glass by broadband optical waveguide spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2004, 271, 249-253.	5.0	22
42	Miniaturized hollow fiber assisted liquid-phase microextraction and gas chromatography-mass spectrometry for the measurement of progesterone in human serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 343-346.	1.2	22
43	Calibration and evaluation of routine methods by serum certified reference material for aldosterone measurement in blood. <i>Endocrine Journal</i> , 2016, 63, 1065-1080.	0.7	22
44	In Situ Investigation of Coadsorption of Myoglobin and Methylene Blue to Hydrophilic Glass by Broadband Time-Resolved Optical Waveguide Spectroscopy. <i>Langmuir</i> , 2004, 20, 778-784.	1.6	21
45	Evaluation of a Microwave-Assisted Extraction Technique for the Determination of Polychlorinated Biphenyls and Organochlorine Pesticides in Sediments. <i>Analytical Sciences</i> , 2004, 20, 793-798.	0.8	21
46	In Situ Absorption Spectra and Adsorbed Species of Methylene Blue on Glass/Water Interfaces by Slab Optical Waveguide Spectroscopy. <i>Applied Spectroscopy</i> , 2003, 57, 100-103.	1.2	20
47	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.	1.9	20
48	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.	1.9	20
49	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.	1.9	20
50	Quantification of serum C-peptide by isotope-dilution liquid chromatography-tandem mass spectrometry: Enhanced detection using chemical modification and immunoaffinity purification. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 953-954, 138-142.	1.2	20
51	In situ observation of absorption spectra and adsorbed species of methylene blue on indium-tin-oxide electrode by slab optical waveguide spectroscopy. <i>Thin Solid Films</i> , 2003, 445, 313-316.	0.8	19
52	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.	1.9	19
53	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.	0.8	19
54	Traceable Amino Acid Analyses of Proteins and Peptides by Isotope-Dilution Mass Spectrometry Using Precolumn Derivatization Reagent. <i>Analytical Sciences</i> , 2010, 26, 1007-1010.	0.8	19

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55	Quantitative NMR spectroscopy for accurate purity determination of amino acids, and uncertainty evaluation for different signals. <i>Accreditation and Quality Assurance</i> , 2014, 19, 275-282.	0.4	19
56	Determination of aluminum in serum by capillary zone electrophoresis with laser-induced fluorescence detection. <i>Chromatographia</i> , 1995, 40, 125-128.	0.7	18
57	Development of C-reactive protein certified reference material NMIJ CRM 6201-b: optimization of a hydrolysis process to improve the accuracy of amino acid analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3137-3146.	1.9	18
58	Metal Complex Formation of Some Anthryl Formazans. <i>Analytical Sciences</i> , 1991, 7, 459-462.	0.8	17
59	A Study of Molecular Adsorption of Bromothymol Blue by Optical Waveguide Spectroscopy. <i>Langmuir</i> , 2003, 19, 214-217.	1.6	17
60	Study of Initial Adsorption Process of Hemoglobin to Glass Surface by Using Time-Resolved Slab Optical Waveguide(SOWG) Spectroscopy. <i>Chemistry Letters</i> , 2003, 32, 270-271.	0.7	17
61	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.	0.4	17
62	Investigation of saponification for determination of polychlorinated biphenyls in marine sediments. <i>Chemosphere</i> , 2005, 58, 865-875.	4.2	16
63	Modified high performance concentric nebulizer for inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1787.	1.6	15
64	Evaluation of the performance of 57 Japanese participating laboratories by two types of z-scores in proficiency test for the quantification of pesticide residues in brown rice. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7337-7344.	1.9	14
65	Isotope dilution liquid chromatography/atmospheric pressure ionization mass spectrometry for determination of serum cholesterol. <i>Analytical Chemistry</i> , 1988, 60, 2237-2239.	3.2	13
66	Time-Resolved Optical Waveguide Spectroscopy for Studying Protein Adsorption Kinetics. <i>Materials Transactions</i> , 2004, 45, 1015-1018.	0.4	13
67	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.	1.9	13
68	Determination of serum cholesterol by stable isotope dilution method using discharge-assisted thermospray liquid chromatography/mass spectrometry. <i>Biological Mass Spectrometry</i> , 1993, 22, 247-250.	0.5	12
69	Development of High-purity Certified Reference Materials for 17 Proteinogenic Amino Acids by Traceable Titration Methods. <i>Analytical Sciences</i> , 2015, 31, 805-814.	0.8	12
70	Proficiency Testing for Quantification of Pesticide Residues in Treated Brown Rice Samples: Comparison of Performance of Japanese Official Multiresidue, Modified QuEChERS, and QuEChERS Methods. <i>Journal of AOAC INTERNATIONAL</i> , 2016, 99, 821-829.	0.7	12
71	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.	1.8	12
72	Determination of serum creatinine by isotope dilution method using discharge-assisted thermospray liquid chromatography/mass spectrometry. <i>Biological Mass Spectrometry</i> , 1993, 22, 643-646.	0.5	11

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73	Sensitive detection of trace aluminium in biological tissues by confocal laser scanning microscopy after staining with lumogallion. <i>Analyst</i> , 1998, 123, 759-762.	1.7	11
74	Study of adsorption of methylene blue and new methylene blue in liquid/solid interface by slab optical waveguide spectroscopy. <i>Talanta</i> , 2005, 65, 1143-1148.	2.9	11
75	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.	1.6	11
76	Preparation and certification of creatinine and urea reference materials with certified purity as a traceability source in clinical chemical measurements. <i>Accreditation and Quality Assurance</i> , 2008, 13, 409-413.	0.4	11
77	Difference between Consensus Value of Participants' Results and Isotope-Dilution Mass Spectrometric Results in Proficiency Testing for Pesticide Residues in Husked Wheat. <i>Analytical Sciences</i> , 2016, 32, 557-563.	0.8	11
78	Photothermal Signal Detection on the Optical Waveguide. <i>Chemistry Letters</i> , 1997, 26, 583-584.	0.7	10
79	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.	0.1	10
80	Direct Electrochemistry of Hemoglobin Molecules Adsorbed on Bare Indium Tin Oxide Electrode Surfaces. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1333.	0.8	10
81	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.	1.4	10
82	Quantification of peptides using N-terminal isotope coding and C-terminal derivatization for sensitive analysis by micro liquid chromatography-tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2016, 51, 1111-1119.	0.7	10
83	Concentration Measurement of Amino Acid in Aqueous Solution by Quantitative <sup>1</sup> H NMR Spectroscopy with Internal Standard Method. <i>Analytical Sciences</i> , 2017, 33, 369-373.	0.8	10
84	Stable isotope dilution method for the determination of serum glucose using discharge-assisted thermospray liquid chromatography/mass spectrometry. <i>Biological Mass Spectrometry</i> , 1991, 20, 415-418.	0.5	9
85	Colloidal gold submonolayer-coated thin-film glass plates for waveguide-coupled surface plasmon resonance sensors. <i>Applied Optics</i> , 2003, 42, 4522.	2.1	9
86	In situ observation of the initial adsorption process of heptylviologen cation radicals by slab optical waveguide spectroscopy synchronized with electrode potential modulation methods. <i>Journal of Electroanalytical Chemistry</i> , 2005, 578, 137-142.	1.9	9
87	Identification of adsorption states of heptyl viologen cation radicals in a thin deposition layer by slab optical waveguide spectroscopy utilizing indium-tin-oxide electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2006, 595, 87-93.	1.9	9
88	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.	1.0	9
89	Separation and quantification of RNA molecules using size-exclusion chromatography hyphenated with inductively coupled plasma-mass spectrometry. <i>Electrophoresis</i> , 2014, 35, 1315-1318.	1.3	9
90	Automated isotope dilution liquid chromatography-tandem mass spectrometry with on-line dilution and solid phase extraction for the measurement of cortisol in human serum sample. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 96, 220-223.	1.4	9

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91	Development and co-validation of porcine insulin certified reference material by high-performance liquid chromatography-isotope dilution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3125-3135.	1.9	9
92	Certification and stability assessment of recombinant human growth hormone as a certified reference material for protein quantification. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1126-1127, 121732.	1.2	8
93	Determination of polychlorinated biphenyls in sediment by isotope-dilution gas chromatography/mass spectrometry with pressurized fluid extraction. <i>Bunseki Kagaku</i> , 2003, 52, 1011-1017.	0.1	7
94	Direct Electron Transfer of Hemoglobin Molecules on Bare ITO Electrodes. <i>Chemistry Letters</i> , 2007, 36, 406-407.	0.7	7
95	Preparation and certification of arsenobetaine reference material NMIJ CRM 7901-a. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 661-666.	1.9	7
96	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.	1.8	7
97	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.	0.8	7
98	Effects of the pH and Concentration on the Stability of Standard Solutions of Proteinogenic Amino Acid Mixtures. <i>Analytical Sciences</i> , 2017, 33, 1241-1245.	0.8	7
99	Evaluation of the impact of matrix effects in LC/MS measurement on the accurate quantification of neonicotinoid pesticides in food by isotope-dilution mass spectrometry. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2019, 54, 467-474.	0.7	7
100	Abnormal arsenic accumulation by fish living in a naturally acidified lake. <i>Analyst</i> , 1998, 123, 73-75.	1.7	6
101	Investigation into the relationship between major and minor element contents and particle size and leachability of boron in fly ash from coal fuel thermal power plants. <i>Journal of Environmental Monitoring</i> , 2003, 5, 831.	2.1	6
102	Development of a Candidate Reference Measurement Procedure for the Analysis of Cortisol in Human Serum Samples by Isotope Dilution-Gas Chromatography-Mass Spectrometry. <i>Analytical Sciences</i> , 2009, 25, 989-992.	0.8	6
103	Comparison of three amino acid analysis methods and their application to the amino acid impurity analysis for the development of high-purity amino acid certified reference materials. <i>Accreditation and Quality Assurance</i> , 2013, 18, 481-489.	0.4	6
104	Isotope-dilution liquid chromatography-tandem mass spectrometry for sensitive quantification of human insulin in serum using derivatization-technique. <i>Analytical Biochemistry</i> , 2017, 537, 26-32.	1.1	6
105	Interlaboratory comparison of liquid chromatography-tandem mass spectrometry quantification of diarrhetic shellfish toxins in scallop midgut glands. <i>Food Chemistry</i> , 2018, 252, 366-372.	4.2	6
106	Proficiency testing by the National Metrology Institute of Japan for quantification of pesticide residues in grain samples from 2012 to 2018. <i>Journal of Pesticide Sciences</i> , 2019, 44, 192-199.	0.8	6
107	Determination of serum creatinine by isotope dilution mass spectrometry with liquid chromatographic separation. <i>Analytical Sciences</i> , 1990, 6, 347-350.	0.8	5
108	Analysis and Application of the Transmission Spectrum of a Composite Optical Waveguide. <i>Applied Spectroscopy</i> , 2002, 56, 1222-1227.	1.2	5

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109	In Situ Observation of Reduction Behavior of Cytochrome c Adsorbed on Glass Surface by Slab Optical Waveguide Spectroscopy. IEICE Transactions on Electronics, 2011, E94-C, 170-175.	0.3	5
110	A novel concentric grid nebulizer for inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2014, 29, 2136-2145.	1.6	5
111	Characterization of scallop midgut gland certified reference material for quantification of diarrhetic shellfish toxins. Food Chemistry, 2019, 298, 125011.	4.2	5
112	In Situ Observation of Time Dependent Electrochemical Activity of Cytochrome c at Bare Indium-Tin-Oxide Electrodes by Cyclic Voltammetry and Slab Optical Waveguide Spectroscopy. IEICE Transactions on Electronics, 2008, E91-C, 1899-1904.	0.3	5
113	Adsorption of Copper Tetra-t-butylphthalocyanine Aggregates from Alcoholic Solution onto Glass Observed by Optical Waveguide Spectroscopy. Applied Spectroscopy, 2003, 57, 871-874.	1.2	4
114	Evaluation of Supercritical Fluid Extraction for Isotope Dilution Gas Chromatography-Mass Spectrometric Quantification of Polychlorinated Biphenyls in Sediment. Analytical Sciences, 2006, 22, 1449-1454.	0.8	4
115	Quantification of an Oligonucleotide Containing a Sequence Failure Product: Comparison of Isotope Dilution Mass Spectrometry with other Quantification Methods. European Journal of Mass Spectrometry, 2009, 15, 399-407.	0.5	4
116	Development of a certified reference material of human serum albumin: certification and value assignment via amino acid analyses. Analytical Methods, 2017, 9, 4574-4580.	1.3	4
117	In Situ Observation of Reduction Behavior of Hemoglobin Molecules Adsorbed on Glass Surface. IEICE Transactions on Electronics, 2006, E89-C, 1741-1745.	0.3	4
118	Evidences for Adsorption of Heptyl Viologen Cation Radicals in Thin Deposition Layers on ITO Electrodes by Slab Optical Waveguide Spectroscopy. IEICE Transactions on Electronics, 2006, E89-C, 1750-1754.	0.3	4
119	Separation of Polychlorinated Biphenyls from Mineral Oil Using Alkylammonium Ion-Bonded Silica Stationary Phases. Analytical Sciences, 2006, 22, 785-788.	0.8	3
120	Total and Species-Specific Quantitative Analyses of Trace Elements in Sediment by Isotope Dilution Inductively Coupled Plasma Mass Spectrometry. Bunseki Kagaku, 2009, 58, 175-184.	0.1	3
121	Amino Acid Analysis by Hydrophilic Interaction Chromatography Coupled with Isotope Dilution Mass Spectrometry. Methods in Molecular Biology, 2012, 828, 55-62.	0.4	3
122	HPLC for Separation and Quantification of Deoxyribonucleic Acid Fragments and Measurement of Deoxyribonucleic Acid Degradation. Chromatographia, 2014, 77, 1333-1338.	0.7	3
123	Evaluation of perfluorooctanoic acid purity based on potentiometric titration. Analytical Methods, 2014, 6, 3177-3182.	1.3	3
124	Metal free columns for determination of deoxynucleotide monophosphate by liquid chromatography/mass spectrometry and application to oligonucleotide. Journal of Chromatography A, 2015, 1406, 210-214.	1.8	3
125	Quantification of glycated N-terminal peptide of hemoglobin using derivatization for multiple functional groups of amino acids followed by liquid chromatography/tandem mass spectrometry. Biomedical Chromatography, 2016, 30, 280-284.	0.8	3
126	Amino Acid Analysis by Hydrophilic Interaction Chromatography Coupled with Isotope Dilution Mass Spectrometry. Methods in Molecular Biology, 2019, 2030, 111-118.	0.4	3



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127	International comparison on the determination of polychlorinated biphenyl congeners in sediment. Bunseki Kagaku, 2004, 53, 177-182.	0.1	2
128	Accurate Purity Analysis of L-Lysine Hydrochloride by Using Neutralization Titration and Uncertainty Evaluation. Bunseki Kagaku, 2012, 61, 959-962.	0.1	2
129	A Certified Urea Reference Material (NMJJ CRM 6006-a) as a Reliable Calibrant for the Elemental Analyses of Amino Acids and Food Samples. Analytical Sciences, 2014, 30, 471-476.	0.8	2
130	Development of human serum certified reference material for quantification of polychlorinated biphenyls. International Journal of Environmental Analytical Chemistry, 2016, 96, 1378-1388.	1.8	2
131	Development of a Certified Reference Material "NMJJ CRM 4228-a" for the Determination of Water Content in Liquids. Bunseki Kagaku, 2018, 67, 619-624.	0.1	2
132	Studies on adsorption behavior of hemoglobin onto hydrophobic surface by using slab optical waveguide spectroscopy. Electronics and Communications in Japan, 2003, 86, 61-66.	0.2	1
133	A Dual Functional-Group Derivatization Liquid Chromatography-Tandem Mass Spectrometry Method: Application for Quantification of Human Insulin. Chromatographia, 2022, 85, 343-352.	0.7	1
134	Dew Point Measurement of High Purity Gas with Slab Optical Waveguide Technique. Bunseki Kagaku, 2005, 54, 205-210.	0.1	0
135	Title is missing!. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2005, 56, 797-801.	0.1	0
136	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. Analytical and Bioanalytical Chemistry, 2019, 411, 6091-6100.	1.9	0
137	Prism-Free Broadband Coupling Approach for Spectroelectrochemical Characterization of Surface-Immobilized Molecules. , 2002, , 470-472.		0
138	Development of a Method for the Determination of Organic Contaminants in Biological Tissue and Its Application to International Comparisons. Bunseki Kagaku, 2006, 55, 29-40.	0.1	0