

Akiko Takatsu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5119427/publications.pdf>

Version: 2024-02-01

138
papers

2,560
citations

186265

28
h-index

276875

41
g-index

138
all docs

138
docs citations

138
times ranked

2342
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A Dual Functional-Group Derivatization Liquid Chromatography-Tandem Mass Spectrometry Method: Application for Quantification of Human Insulin. <i>Chromatographia</i> , 2022, 85, 343-352. | 1.3 | 1 |
| 2 | 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. | 1.4 | 6 |
| 3 | Amino Acid Analysis by Hydrophilic Interaction Chromatography Coupled with Isotope Dilution Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2019, 2030, 111-118. | 0.9 | 3 |
| 4 | 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 |
| 5 | 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. | 2.3 | 8 |
| 6 | Characterization of scallop midgut gland certified reference material for quantification of diarrhetic shellfish toxins. <i>Food Chemistry</i> , 2019, 298, 125011. | 8.2 | 5 |
| 7 | 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. | 1.5 | 7 |
| 8 | 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. | 8.2 | 6 |
| 9 | Development of a Certified Reference Material "NMIJ CRM 4228-a" for the Determination of Water Content in Liquids. <i>Bunseki Kagaku</i> , 2018, 67, 619-624. | 0.2 | 2 |
| 10 | 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 |
| 11 | 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. | 2.4 | 6 |
| 12 | Development of a certified reference material of human serum albumin: certification and value assignment via amino acid analyses. <i>Analytical Methods</i> , 2017, 9, 4574-4580. | 2.7 | 4 |
| 13 | Implementing a Reference Measurement System for C-Peptide: Successes and Lessons Learned. <i>Clinical Chemistry</i> , 2017, 63, 1447-1456. | 3.2 | 34 |
| 14 | 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. | 1.6 | 7 |
| 15 | Concentration Measurement of Amino Acid in Aqueous Solution by Quantitative ¹ H NMR Spectroscopy with Internal Standard Method. <i>Analytical Sciences</i> , 2017, 33, 369-373. | 1.6 | 10 |
| 16 | Quantitative Nuclear Magnetic Resonance Spectroscopy Based on PULCON Methodology: Application to Quantification of Invaluable Marine Toxin, Okadaic Acid. <i>Toxins</i> , 2016, 8, 294. | 3.4 | 43 |
| 17 | Calibration and evaluation of routine methods by serum certified reference material for aldosterone measurement in blood. <i>Endocrine Journal</i> , 2016, 63, 1065-1080. | 1.6 | 22 |
| 18 | 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. | 1.5 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Development of human serum certified reference material for quantification of polychlorinated biphenyls. <i>International Journal of Environmental Analytical Chemistry</i> , 2016, 96, 1378-1388. | 3.3 | 2 |
| 20 | Quantification of peptides using ¹⁵ N-terminal isotope coding and ¹³ C-terminal derivatization for sensitive analysis by micro liquid chromatography-tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2016, 51, 1111-1119. | 1.6 | 10 |
| 21 | 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. | 1.6 | 11 |
| 22 | 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 |
| 23 | Quantification of glycated N-terminal peptide of hemoglobin using derivatization for multiple functional groups of amino acids followed by liquid chromatography/tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2016, 30, 280-284. | 1.7 | 3 |
| 24 | Development of High-purity Certified Reference Materials for 17 Proteinogenic Amino Acids by Traceable Titration Methods. <i>Analytical Sciences</i> , 2015, 31, 805-814. | 1.6 | 12 |
| 25 | A novel amino acid analysis method using derivatization of multiple functional groups followed by liquid chromatography/tandem mass spectrometry. <i>Analyst</i> , 2015, 140, 1965-1973. | 3.5 | 38 |
| 26 | 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. | 3.7 | 18 |
| 27 | Metal free columns for determination of deoxynucleotide monophosphate by liquid chromatography/mass spectrometry and application to oligonucleotide. <i>Journal of Chromatography A</i> , 2015, 1406, 210-214. | 3.7 | 3 |
| 28 | 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. | 3.7 | 9 |
| 29 | Proficiency testing for determination of pesticide residues in soybean: Comparison of assigned values from participants ^{x3} results and isotope-dilution mass spectrometric determination. <i>Talanta</i> , 2015, 132, 269-277. | 5.5 | 23 |
| 30 | 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. | 3.7 | 14 |
| 31 | HPLC for Separation and Quantification of Deoxyribonucleic Acid Fragments and Measurement of Deoxyribonucleic Acid Degradation. <i>Chromatographia</i> , 2014, 77, 1333-1338. | 1.3 | 3 |
| 32 | 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 |
| 33 | Evaluation of perfluorooctanoic acid purity based on potentiometric titration. <i>Analytical Methods</i> , 2014, 6, 3177-3182. | 2.7 | 3 |
| 34 | 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 |
| 35 | 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. | 0.8 | 19 |
| 36 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | 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. | 2.8 | 9 |
| 38 | 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. | 2.3 | 20 |
| 39 | A Certified Urea Reference Material (NMIJ CRM 6006-a) as a Reliable Calibrant for the Elemental Analyses of Amino Acids and Food Samples. <i>Analytical Sciences</i> , 2014, 30, 471-476. | 1.6 | 2 |
| 40 | 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 |
| 41 | Applications of stir-bar sorptive extraction to food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 45, 280-293. | 11.4 | 67 |
| 42 | 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. | 0.8 | 6 |
| 43 | 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 |
| 44 | 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. | 1.6 | 7 |
| 45 | 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 |
| 46 | Accurate Purity Analysis of L-Lysine Hydrochloride by Using Neutralization Titration and Uncertainty Evaluation. <i>Bunseki Kagaku</i> , 2012, 61, 959-962. | 0.2 | 2 |
| 47 | 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 |
| 48 | Amino Acid Analysis by Hydrophilic Interaction Chromatography Coupled with Isotope Dilution Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2012, 828, 55-62. | 0.9 | 3 |
| 49 | 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. | 3.7 | 39 |
| 50 | Electrochemical DNA Methylation Detection for Enzymatically Digested CpG Oligonucleotides. <i>Analytical Chemistry</i> , 2011, 83, 7595-7599. | 6.5 | 89 |
| 51 | 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 |
| 52 | 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 |
| 53 | In Situ Observation of Reduction Behavior of Cytochrome c Adsorbed on Glass Surface by Slab Optical Waveguide Spectroscopy. <i>IEICE Transactions on Electronics</i> , 2011, E94-C, 170-175. | 0.6 | 5 |
| 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. | 1.6 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | 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 |
| 56 | 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. | 2.6 | 10 |
| 57 | 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. | 2.3 | 22 |
| 58 | 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. | 3.7 | 13 |
| 59 | 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. | 2.3 | 68 |
| 60 | 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. | 3.7 | 7 |
| 61 | 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 |
| 62 | 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. | 1.6 | 6 |
| 63 | Quantification of an Oligonucleotide Containing a Sequence Failure Product: Comparison of Isotope Dilution Mass Spectrometry with other Quantification Methods. <i>European Journal of Mass Spectrometry</i> , 2009, 15, 399-407. | 1.0 | 4 |
| 64 | 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 |
| 65 | 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 |
| 66 | 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. | 0.8 | 11 |
| 67 | Direct Electrochemistry of Hemoglobin Molecules Adsorbed on Bare Indium Tin Oxide Electrode Surfaces. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1333. | 1.5 | 10 |
| 68 | 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 |
| 69 | 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. <i>IEICE Transactions on Electronics</i> , 2008, E91-C, 1899-1904. | 0.6 | 5 |
| 70 | Direct Electron Transfer of Hemoglobin Molecules on Bare ITO Electrodes. <i>Chemistry Letters</i> , 2007, 36, 406-407. | 1.3 | 7 |
| 71 | Preparation of Sulfoxide Residue Bonded Silica Stationary Phase for Separation of Polychlorinated Biphenyls from Mineral Oils. <i>Analytical Chemistry</i> , 2007, 79, 9211-9217. | 6.5 | 23 |
| 72 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | 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. | 3.7 | 30 |
| 74 | 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 |
| 75 | Preparation and certification of arsenobetaine reference material NMIJ CRM 7901-a. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 661-666. | 3.7 | 7 |
| 76 | 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 |
| 77 | Evaluation of Supercritical Fluid Extraction for Isotope Dilution Gas Chromatography-Mass Spectrometric Quantification of Polychlorinated Biphenyls in Sediment. <i>Analytical Sciences</i> , 2006, 22, 1449-1454. | 1.6 | 4 |
| 78 | Separation of Polychlorinated Biphenyls from Mineral Oil Using Alkylammonium Ion-Bonded Silica Stationary Phases. <i>Analytical Sciences</i> , 2006, 22, 785-788. | 1.6 | 3 |
| 79 | 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 |
| 80 | 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. | 3.8 | 9 |
| 81 | In Situ Observation of Reduction Behavior of Hemoglobin Molecules Adsorbed on Glass Surface. <i>IEICE Transactions on Electronics</i> , 2006, E89-C, 1741-1745. | 0.6 | 4 |
| 82 | Evidences for Adsorption of Heptyl Viologen Cation Radicals in Thin Deposition Layers on ITO Electrodes by Slab Optical Waveguide Spectroscopy. <i>IEICE Transactions on Electronics</i> , 2006, E89-C, 1750-1754. | 0.6 | 4 |
| 83 | Development of a Method for the Determination of Organic Contaminants in Biological Tissue and Its Application to International Comparisons. <i>Bunseki Kagaku</i> , 2006, 55, 29-40. | 0.2 | 0 |
| 84 | Dew Point Measurement of High Purity Gas with Slab Optical Waveguide Technique. <i>Bunseki Kagaku</i> , 2005, 54, 205-210. | 0.2 | 0 |
| 85 | 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. | 3.8 | 9 |
| 86 | 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 |
| 87 | Title is missing!. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2005, 56, 797-801. | 0.2 | 0 |
| 88 | 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 |
| 89 | Investigation of saponification for determination of polychlorinated biphenyls in marine sediments. <i>Chemosphere</i> , 2005, 58, 865-875. | 8.2 | 16 |
| 90 | 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. | 5.5 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | 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 |
| 92 | 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. | 9.4 | 22 |
| 93 | 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 |
| 94 | 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 |
| 95 | 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. | 3.5 | 21 |
| 96 | 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. | 2.6 | 111 |
| 97 | 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. | 1.6 | 21 |
| 98 | Time-Resolved Optical Waveguide Spectroscopy for Studying Protein Adsorption Kinetics. <i>Materials Transactions</i> , 2004, 45, 1015-1018. | 1.2 | 13 |
| 99 | International comparison on the determination of polychlorinated biphenyl congeners in sediment. <i>Bunseki Kagaku</i> , 2004, 53, 177-182. | 0.2 | 2 |
| 100 | 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 |
| 101 | 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. | 1.8 | 39 |
| 102 | Studies on adsorption behavior of hemoglobin onto hydrophobic surface by using slab optical waveguide spectroscopy. <i>Electronics and Communications in Japan</i> , 2003, 86, 61-66. | 0.2 | 1 |
| 103 | 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. | 5.4 | 25 |
| 104 | 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. | 1.8 | 19 |
| 105 | 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. | 1.8 | 26 |
| 106 | A Study of Molecular Adsorption of Bromothymol Blue by Optical Waveguide Spectroscopy. <i>Langmuir</i> , 2003, 19, 214-217. | 3.5 | 17 |
| 107 | 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. | 2.6 | 36 |
| 108 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | 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. | 2.2 | 20 |
| 110 | Adsorption of Copper Tetra-t-butylphthalocyanine Aggregates from Alcoholic Solution onto Glass Observed by Optical Waveguide Spectroscopy. <i>Applied Spectroscopy</i> , 2003, 57, 871-874. | 2.2 | 4 |
| 111 | Microwave-Assisted Steam Distillation for Simple Determination of Polychlorinated Biphenyls and Organochlorine Pesticides in Sediments. <i>Analytical Chemistry</i> , 2003, 75, 1450-1457. | 6.5 | 37 |
| 112 | Species-specific isotope dilution analysis of mono-, di, and tri-butyltin compounds in sediment using gas chromatography-inductively coupled plasma mass spectrometry with synthesized 118Sn-enriched butyltins. <i>Analyst, The</i> , 2003, 128, 265-272. | 3.5 | 28 |
| 113 | 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 |
| 114 | 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. | 1.6 | 44 |
| 115 | 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. | 0.2 | 7 |
| 116 | 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. | 1.3 | 17 |
| 117 | Prism-coupled multimode waveguide refractometer. <i>Optics Letters</i> , 2002, 27, 689. | 3.3 | 39 |
| 118 | Optical waveguide spectrometer based on thin-film glass plates. <i>Optics Letters</i> , 2002, 27, 2001. | 3.3 | 45 |
| 119 | Analysis and Application of the Transmission Spectrum of a Composite Optical Waveguide. <i>Applied Spectroscopy</i> , 2002, 56, 1222-1227. | 2.2 | 5 |
| 120 | Determination of ethanol in alcoholic beverages by high-performance liquid chromatography-flame ionization detection using pure water as mobile phase. <i>Journal of Chromatography A</i> , 2002, 976, 387-391. | 3.7 | 99 |
| 121 | Prism-Free Broadband Coupling Approach for Spectroelectrochemical Characterization of Surface-Immobilized Molecules. , 2002, , 470-472. | | 0 |
| 122 | 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. | 3.3 | 42 |
| 123 | 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 |
| 124 | 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 |
| 125 | UV-visible Slab Optical Waveguide Spectroscopy of Cytochromec Adsorbed on a Liquid-Solid Interface. <i>Chemistry Letters</i> , 1999, 28, 31-32. | 1.3 | 22 |
| 126 | Abnormal arsenic accumulation by fish living in a naturally acidified lake. <i>Analyst, The</i> , 1998, 123, 73-75. | 3.5 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Sensitive detection of trace aluminium in biological tissues by confocal laser scanning microscopy after staining with lumogallion. <i>Analyst</i> , 1998, 123, 759-762. | 3.5 | 11 |
| 128 | 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. | 1.3 | 30 |
| 129 | Photothermal Signal Detection on the Optical Waveguide. <i>Chemistry Letters</i> , 1997, 26, 583-584. | 1.3 | 10 |
| 130 | Absorption Spectra of Rhodamine 6G by Slab Optical Waveguide Spectroscopy. <i>Chemistry Letters</i> , 1996, 25, 105-106. | 1.3 | 39 |
| 131 | A Slab-Optical-Waveguide Absorption Spectroscopy of Langmuir-Blodgett Films with a White Light Excitation Source. <i>Chemistry Letters</i> , 1995, 24, 437-438. | 1.3 | 45 |
| 132 | Determination of aluminum in serum by capillary zone electrophoresis with laser-induced fluorescence detection. <i>Chromatographia</i> , 1995, 40, 125-128. | 1.3 | 18 |
| 133 | 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 |
| 134 | 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 |
| 135 | Metal Complex Formation of Some Anthryl Formazans. <i>Analytical Sciences</i> , 1991, 7, 459-462. | 1.6 | 17 |
| 136 | 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 |
| 137 | Determination of serum creatinine by isotope dilution mass spectrometry with liquid chromatographic separation. <i>Analytical Sciences</i> , 1990, 6, 347-350. | 1.6 | 5 |
| 138 | Isotope dilution liquid chromatography/atmospheric pressure ionization mass spectrometry for determination of serum cholesterol. <i>Analytical Chemistry</i> , 1988, 60, 2237-2239. | 6.5 | 13 |