

Shinsuke Inagaki

List of Publications by Year in descending order

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58
papers

1,216
citations

331670

21
h-index

414414

32
g-index

58
all docs

58
docs citations

58
times ranked

1299
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Simple and practical derivatization procedure for enhanced detection of carboxylic acids in liquid chromatography-electrospray ionization-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 809-818. | 2.8 | 105 |
| 2 | A specific LC/ESI-MS/MS method for determination of 25-hydroxyvitamin D ₃ in neonatal dried blood spots containing a potential interfering metabolite, 3-epi-25-hydroxyvitamin D ₃ . <i>Journal of Separation Science</i> , 2011, 34, 725-732. | 2.5 | 71 |
| 3 | Determination of dl-amino acids, derivatized with R(â)-4-(3-isothiocyanatopyrrolidin-1-yl)-7-(N,N-dimethylaminosulfonyl)-2,1,3-benzoxadiazole, in nail of diabetic patients by UPLC-ESI-TOF-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3220-3228. | 2.3 | 51 |
| 4 | Biomarker discovery in biological specimens (plasma, hair, liver and kidney) of diabetic mice based upon metabolite profiling using ultra-performance liquid chromatography with electrospray ionization time-of-flight mass spectrometry. <i>Clinica Chimica Acta</i> , 2011, 412, 861-872. | 1.1 | 48 |
| 5 | Rapid determination of histamine and its metabolites in mice hair by ultra-performance liquid chromatography with time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1132, 148-156. | 3.7 | 46 |
| 6 | Highly sensitive and positively charged precolumn derivatization reagent for amines and amino acids in liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1358-1364. | 1.5 | 43 |
| 7 | Determination of Fluorescence-Labeled Asparaginy-Oligosaccharide in Glycoprotein by Reversed-Phase Ultraperformance Liquid Chromatography with Electrospray Ionization Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 8694-8698. | 6.5 | 39 |
| 8 | Direct detection method of oligosaccharides by high-performance liquid chromatography with charged aerosol detection. <i>Biomedical Chromatography</i> , 2007, 21, 338-342. | 1.7 | 39 |
| 9 | Simultaneous determination of \pm -lipoic acid and its reduced form by high-performance liquid chromatography with fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 854, 109-115. | 2.3 | 39 |
| 10 | Identification of AMPN1-Oxide in Royal Jelly as a Component Neurotrophic toward Cultured Rat Pheochromocytoma PC12 Cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 897-906. | 1.3 | 35 |
| 11 | Practical Analytical Approach for the Identification of Biomarker Candidates in Prediabetic State Based upon Metabonomic Study by Ultraperformance Liquid Chromatography Coupled to Electrospray Ionization Time-of-Flight Mass Spectrometry. <i>Journal of Proteome Research</i> , 2010, 9, 3912-3922. | 3.7 | 34 |
| 12 | Metabolic profiling of rat hair and screening biomarkers using ultra performance liquid chromatography with electrospray ionization time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1176, 94-99. | 3.7 | 32 |
| 13 | Analysis of DNA adducts of acetaldehyde by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2003, 987, 341-347. | 3.7 | 30 |
| 14 | Selective and sensitive determination of lipoyllysine (protein-bound \pm -lipoic acid) in biological specimens by high-performance liquid chromatography with fluorescence detection. <i>Analytica Chimica Acta</i> , 2008, 618, 210-217. | 5.4 | 30 |
| 15 | Simultaneous determination of polyamines in human nail as 4-(N,N-dimethylaminosulfonyl)-7-fluoro-2,1,3-benzoxadiazole derivatives by nano-flow chip LC coupled with quadrupole time-of-flight tandem mass spectrometry. <i>Clinica Chimica Acta</i> , 2011, 412, 98-106. | 1.1 | 30 |
| 16 | Histones accelerate the cyclic 1, N 2 -propanoguanine adduct-formation of DNA by the primary metabolite of alcohol and carcinogenic crotonaldehyde. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 3497-3498. | 2.2 | 28 |
| 17 | Rapid analysis of N-linked oligosaccharides in glycoproteins (ovalbumin, ribonuclease B and Tj ETQq1 1 0.784314 rgBT /Ove) by electrospray ionization time-of-flight mass spectrometry. <i>Biomedical Chromatography</i> , 2009, 23, 516-523. | 1.7 | 27 |
| 18 | First detection of free d-amino acids in human nails by combination of derivatization and UPLC-ESI-TOF-MS. <i>Analytical Methods</i> , 2010, 2, 1233. | 2.7 | 27 |

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| 19 | Separation procedures capable of revealing DNA adducts. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 797, 321-329. | 2.3 | 26 |
| 20 | Rapid, sensitive and simultaneous determination of fluorescence-labeled polyamines in human hair by high-pressure liquid chromatography coupled with electrospray-ionization time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1205, 94-102. | 3.7 | 25 |
| 21 | A novel derivatization reagent possessing a bromoquinolinium structure for biological carboxylic acids in <sc>HPLCâ€ESIâ€MS/MS</sc>. <i>Journal of Separation Science</i> , 2013, 36, 1883-1889. | 2.5 | 23 |
| 22 | LC-MS Study on the Formation of Cyclic 1,N2-Propano Guanine Adduct in the Reactions of DNA with Acetaldehyde in the Presence of Histone. <i>Biological and Pharmaceutical Bulletin</i> , 2004, 27, 273-276. | 1.4 | 21 |
| 23 | Rapid detection of ketamine and norketamine in rat hair using micropulverized extraction and ultraâ€performance liquid chromatographyâ€electrospray ionization mass spectrometry. <i>Biomedical Chromatography</i> , 2009, 23, 1245-1250. | 1.7 | 19 |
| 24 | Analysis of DNA adducts bases by capillary electrophoresis with amperometric detection. <i>Electrophoresis</i> , 2001, 22, 3408-3412. | 2.4 | 18 |
| 25 | Prediction for the Separation Efficiency of a Pair of Enantiomers during Chiral High-Performance Liquid Chromatography Using a Quartz Crystal Microbalance. <i>Analytical Chemistry</i> , 2008, 80, 1824-1828. | 6.5 | 18 |
| 26 | Hair analysis of histamine and several metabolites in C3H/HeNCrj mice by ultra performance liquid chromatography with electrospray ionization time-of-flight mass spectrometry (UPLC-ESI-TOF-MS): Influence of hair cycle and age. <i>Clinica Chimica Acta</i> , 2007, 378, 122-127. | 1.1 | 17 |
| 27 | Resolution of oligosaccharides in glycopeptides using immobilized Endo-M and ultra-performance liquid chromatography with electrospray ionization time-of-flight mass spectrometry. <i>Biomedical Chromatography</i> , 2007, 21, 852-860. | 1.7 | 17 |
| 28 | Novel decaffeination of green tea using a special picking method and shortening of the rolling process. <i>Food Chemistry</i> , 2011, 125, 878-883. | 8.2 | 17 |
| 29 | Development of a reliable method to determine water content by headspace gas chromatography/mass spectrometry with the standard addition technique. <i>Analytical Methods</i> , 2015, 7, 4816-4820. | 2.7 | 17 |
| 30 | Polyacrylamides as hydrophilic selectors in non-aqueous capillary electrophoresis. <i>Journal of Chromatography A</i> , 2001, 905, 291-297. | 3.7 | 16 |
| 31 | Screening DNA Adducts by LCâ€ESIâ€MSâ€MS: Application to Screening New Adducts Formed from Acrylamide. <i>Chromatographia</i> , 2010, 72, 1043-1048. | 1.3 | 16 |
| 32 | Stable isotope-dilution liquid chromatography/tandem mass spectrometry method for determination of thyroxine in saliva. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 1013-1017. | 2.3 | 16 |
| 33 | Certification of water content in NMIJ CRM 4222-a, water standard solution 0.1 mg g ⁻¹ , by coulometric and volumetric Karl Fischer titration. <i>Analytical Methods</i> , 2014, 6, 2785-2790. | 2.7 | 16 |
| 34 | Fast GC Analysis of Fatty Acid Methyl Esters Using a Highly Polar Ionic Liquid Column and its Application for the Determination of Trans Fatty Acid Contents in Edible Oils. <i>Chromatographia</i> , 2015, 78, 291-295. | 1.3 | 15 |
| 35 | A Handy Detection Cell for End-Column Electrochemical Detection in Capillary Electrophoresis.. <i>Analytical Sciences</i> , 2001, 17, 1383-1387. | 1.6 | 14 |
| 36 | Simultaneous determination of 11 designated hallucinogenic phenethylamines by ultra-fast liquid chromatography with fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 873, 187-194. | 2.3 | 14 |

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| 37 | Fully automated two-dimensional high-performance liquid chromatography with electrospray ionization time-of-flight mass spectrometry for the determination of oligosaccharides in glycopeptides after enzymic fluorescence labeling. <i>Journal of Chromatography A</i> , 2007, 1160, 120-127. | 3.7 | 13 |
| 38 | Characterization of Certified Reference Material for the Quantification of Water in Bioethanol. <i>Analytical Sciences</i> , 2012, 28, 1089-1095. | 1.6 | 13 |
| 39 | Separation of N ² -ethyl-2'-deoxyguanosine-5'-monophosphate and four native deoxyribonucleoside monophosphates using capillary zone electrophoresis with polyethylene glycol as buffer additive. <i>Electrophoresis</i> , 2001, 22, 104-108. | 2.4 | 10 |
| 40 | Human liver dihydrodiol dehydrogenase 1 α -catalyzed reaction generating 9 β ,11 β -prostaglandin F ₂ from prostaglandin D ₂ followed by micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , 2008, 31, 735-740. | 2.5 | 9 |
| 41 | HPLC enantioseparation of \pm -diphenyl-2-pyrrolidinemethanol and methylphenidate using a chiral fluorescent derivatization reagent and its application to the analysis of rat plasma. <i>Journal of Separation Science</i> , 2010, 33, 3137-3143. | 2.5 | 9 |
| 42 | Oxidative hydrolysis of a cyclic 1,N ² -propano-2 α -deoxyguanosine, an adduct of 2 α -deoxyguanosine with acetaldehyde or crotonaldehyde. <i>Tetrahedron Letters</i> , 2003, 44, 7303-7306. | 1.4 | 8 |
| 43 | Development and validation of stable isotope dilution liquid chromatography-tandem mass spectrometric method for determination of salivary progesterone. <i>Biomedical Chromatography</i> , 2011, 25, 1175-1180. | 1.7 | 8 |
| 44 | Amino Acid Analysis via LC-MS Method After Derivatization with Quaternary Phosphonium. <i>Methods in Molecular Biology</i> , 2012, 828, 47-54. | 0.9 | 8 |
| 45 | Identification of N-linked oligosaccharide labeled with pyrenesulfonyl chloride by quadrupole time-of-flight tandem mass spectrometry after separation by micro- and nanoflow liquid chromatography. <i>Biomedical Chromatography</i> , 2009, 23, 912-921. | 1.7 | 7 |
| 46 | Simultaneous and group determination methods for designated substances by HPLC with multi-channel electrochemical detection and their application to real samples. <i>Biomedical Chromatography</i> , 2010, 24, 1287-1299. | 1.7 | 7 |
| 47 | Characterization of water content in biodiesel fuel certified reference material (NMIJ CRM 8302-a). <i>Accreditation and Quality Assurance</i> , 2016, 21, 361-366. | 0.8 | 7 |
| 48 | Rapid, sensitive and simultaneous determination of fluorescence-labeled designated substances controlled by the Pharmaceutical Affairs Law in Japan by ultra-performance liquid chromatography coupled with electrospray-ionization time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1411-1422. | 3.7 | 6 |
| 49 | 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 |
| 50 | Determination of Sulfur in Bioethanol Certified Reference Material. <i>Journal of the Japan Petroleum Institute</i> , 2013, 56, 171-175. | 0.6 | 6 |
| 51 | Characterization of scallop midgut gland certified reference material for quantification of diarrhetic shellfish toxins. <i>Food Chemistry</i> , 2019, 298, 125011. | 8.2 | 5 |
| 52 | Rapid determination of oxidized methionine residues in recombinant human basic fibroblast growth factor by ultra-performance liquid chromatography and electrospray ionization quadrupole time-of-flight mass spectrometry with in-source collision-induced dissociation. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2053-2060. | 1.5 | 3 |
| 53 | Rapid enantiomeric separation and simultaneous determination of phenethylamines by ultra high performance liquid chromatography with fluorescence and mass spectrometric detection: application to the analysis of illicit drugs distributed in the Japanese market and biological samples. <i>Drug Testing and Analysis</i> , 2012, 4, 1001-1008. | 2.6 | 3 |
| 54 | Characterization of water in methylcyclohexane as a certified reference material for determination of trace water content in liquids. <i>Metrologia</i> , 2019, 56, 034004. | 1.2 | 3 |

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|----|---|-----|-----------|
| 55 | Fragmentation of a Non-Ester Pyrethroid Insecticide by Atmospheric Pressure Chemical Ionization. <i>European Journal of Mass Spectrometry</i> , 2009, 15, 45-56. | 1.0 | 2 |
| 56 | Development of a Certified Reference Material "NMJJ CRM 4228" for the Determination of Water Content in Liquids. <i>Bunseki Kagaku</i> , 2018, 67, 619-624. | 0.2 | 2 |
| 57 | Determination of N-Linked Oligosaccharide Derivatives by Reversed-Phase Chromatography Followed by Electrospray Ionization Time-of-Flight Mass Spectrometry: Evaluation of Fluorescence Reagents for the Labeling of α -Glycosylamine. <i>Current Analytical Chemistry</i> , 2010, 6, 184-192. | 1.2 | 1 |
| 58 | Characterization of Diarrhetic Shellfish Toxins in the <i>Mizuhopecten yessoensis</i> (Scallop) Midgut Gland by High-Performance Liquid Chromatography "Tandem Mass Spectrometry (HPLC-MS/MS)". <i>Analytical Letters</i> , 2023, 56, 531-540. | 1.8 | 1 |