

Koichi Inoue

List of Publications by Year in descending order

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69
papers

1,694
citations

257450

24
h-index

315739

38
g-index

70
all docs

70
docs citations

70
times ranked

2522
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of Short-Chain Fatty Acids in the Gut Microbiome With Clinical Response to Treatment With Nivolumab or Pembrolizumab in Patients With Solid Cancer Tumors. <i>JAMA Network Open</i> , 2020, 3, e202895.	5.9	192
2	Metabolic profiling of Alzheimer's disease brains. <i>Scientific Reports</i> , 2013, 3, 2364.	3.3	133
3	Analysis of the gut microbiome and plasma short-chain fatty acid profiles in a spontaneous mouse model of metabolic syndrome. <i>Scientific Reports</i> , 2017, 7, 15876.	3.3	86
4	Diagnostic approach to breast cancer patients based on target metabolomics in saliva by liquid chromatography with tandem mass spectrometry. <i>Clinica Chimica Acta</i> , 2016, 452, 18-26.	1.1	68
5	Purification of Curcumin, Demethoxycurcumin, and Bisdemethoxycurcumin by High-Speed Countercurrent Chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 9328-9336.	5.2	66
6	Human nails metabolite analysis: A rapid and simple method for quantification of uric acid in human fingernail by high-performance liquid chromatography with UV-detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1002, 394-398.	2.3	60
7	Effect of coffee or coffee components on gut microbiome and short-chain fatty acids in a mouse model of metabolic syndrome. <i>Scientific Reports</i> , 2018, 8, 16173.	3.3	57
8	Towards the chiral metabolomics: Liquid chromatography-mass spectrometry based dl-amino acid analysis after labeling with a new chiral reagent, (S)-2,5-dioxopyrrolidin-1-yl-1-(4,6-dimethoxy-1,3,5-triazin-2-yl)pyrrolidine-2-carboxylate, and the application to saliva of healthy volunteers. <i>Analytica Chimica Acta</i> , 2015, 875, 73-82.	5.4	52
9	Development and Application of an HILIC-MS/MS Method for the Quantitation of Nucleotides in Infant Formula. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 9918-9924.	5.2	49
10	Isotopic variants of light and heavy l-pyroglutamic acid succinimidyl esters as the derivatization reagents for dl-amino acid chiral metabolomics identification by liquid chromatography and electrospray ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 811, 51-59.	5.4	47
11	Metabolomics approach of infant formula for the evaluation of contamination and degradation using hydrophilic interaction liquid chromatography coupled with mass spectrometry. <i>Food Chemistry</i> , 2015, 181, 318-324.	8.2	46
12	Simultaneous Determination of Post-Translational Racemization and Isomerization of N-Terminal Amyloid- β in Alzheimer's Brain Tissues by Covalent Chiral Derivatized Ultraperformance Liquid Chromatography Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 797-804.	6.5	45
13	A novel approach for LC-MS/MS-based chiral metabolomics fingerprinting and chiral metabolomics extraction using a pair of enantiomers of chiral derivatization reagents. <i>Analytica Chimica Acta</i> , 2015, 898, 73-84.	5.4	41
14	Widely targeted metabolomics of Alzheimer's disease postmortem cerebrospinal fluid based on 9-fluorenylmethyl chloroformate derivatized ultra-high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1091, 53-66.	2.3	34
15	Blood-based diagnosis of Alzheimer's disease using fingerprinting metabolomics based on hydrophilic interaction liquid chromatography with mass spectrometry and multivariate statistical analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 974, 24-34.	2.3	33
16	Application of 2-Picolylamine Derivatized Ultra-high Performance Liquid Chromatography Tandem Mass Spectrometry for the Determination of Short-chain Fatty Acids in Feces Samples. <i>Analytical Sciences</i> , 2018, 34, 1031-1036.	1.6	31
17	Screening Assay for Metal-Catalyzed Oxidation Inhibitors Using Liquid Chromatography-Mass Spectrometry with an N-Terminal β -Amyloid Peptide. <i>Analytical Chemistry</i> , 2009, 81, 1819-1825.	6.5	30
18	Stable isotope dilution HILIC-MS/MS method for accurate quantification of glutamic acid, glutamine, pyroglutamic acid, GABA and theanine in mouse brain tissues. <i>Biomedical Chromatography</i> , 2016, 30, 55-61.	1.7	28

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19	Bioanalysis of bevacizumab and infliximab by high-temperature reversed-phase liquid chromatography with fluorescence detection after immunoaffinity magnetic purification. <i>Analytica Chimica Acta</i> , 2016, 916, 112-119.	5.4	28
20	Simultaneous determination of avermectins in bovine tissues by LC-MS/MS. <i>Journal of Separation Science</i> , 2009, 32, 3596-3602.	2.5	27
21	Relative quantification of enantiomers of chiral amines by high-throughput LC-ESI-MS/MS using isotopic variants of light and heavy L-pyroglutamic acids as the derivatization reagents. <i>Analytica Chimica Acta</i> , 2013, 773, 76-82.	5.4	27
22	Determination of Nucleotides in Infant Formula by Ion-Exchange Liquid Chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 6863-6867.	5.2	26
23	Determination of acetone in saliva by reversed-phase liquid chromatography with fluorescence detection and the monitoring of diabetes mellitus patients with ketoacidosis. <i>Clinica Chimica Acta</i> , 2014, 430, 140-144.	1.1	26
24	An approach to on-line electrospray mass spectrometric detection of polypeptide antibiotics of enramycin for high-speed counter-current chromatographic separation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 1154-1160.	2.8	25
25	Isotope Corrected Chiral and Achiral Nontargeted Metabolomics: An Approach for High Accuracy and Precision Metabolomics Based on Derivatization and Its Application to Cerebrospinal Fluid of Patients with Alzheimer's Disease. <i>Analytical Chemistry</i> , 2019, 91, 4396-4404.	6.5	25
26	Determination of dicyandiamide in infant formula by stable isotope dilution hydrophilic interaction liquid chromatography with tandem mass spectrometry. <i>Food Chemistry</i> , 2014, 156, 390-393.	8.2	23
27	A comparison between dosages and plasma concentrations of dexmedetomidine in clinically ill patients: a prospective, observational, cohort study in Japan. <i>Journal of Intensive Care</i> , 2013, 1, 15.	2.9	20
28	Foodomics Platform for the Assay of Thiols in Wines with Fluorescence Derivatization and Ultra Performance Liquid Chromatography Mass Spectrometry Using Multivariate Statistical Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1228-1234.	5.2	19
29	Development of a stable isotope dilution UPLC-MS/MS method for quantification of dexmedetomidine in a small amount of human plasma. <i>Biomedical Chromatography</i> , 2013, 27, 853-858.	1.7	18
30	Screening assay of angiotensin-converting enzyme inhibitory activity from complex natural colourants and foods using high-throughput LC-MS/MS. <i>Food Chemistry</i> , 2011, 126, 1909-1915.	8.2	17
31	Determination and purification of sesamin and sesamol in sesame seed oil unsaponified matter using reversed-phase liquid chromatography coupled with photodiode array and tandem mass spectrometry and high-speed countercurrent chromatography. <i>Journal of Separation Science</i> , 2016, 39, 3898-3905.	2.5	17
32	Evaluation of gardenia yellow using crocetin from alkaline hydrolysis based on ultra high performance liquid chromatography and high-speed countercurrent chromatography. <i>Journal of Separation Science</i> , 2014, 37, 3619-3624.	2.5	15
33	Comprehensive quantification of purine and pyrimidine metabolism in Alzheimer's disease postmortem cerebrospinal fluid by LC-MS/MS with metal-free column. <i>Biomedical Chromatography</i> , 2020, 34, e4722.	1.7	15
34	LC-MS/MS and centrifugal ultrafiltration method for the determination of novobiocin in chicken, fish tissues, milk and human serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 461-464.	2.3	14
35	Principal component analysis of molecularly based signals from infant formula contaminations using LC-MS and NMR in foodomics. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 3876-3881.	3.5	14
36	Single reference quantitative analysis of xanthomonasin A and B in Monascus yellow colorant using high-performance liquid chromatography with relative molar sensitivity based on high-speed countercurrent chromatography. <i>Journal of Chromatography A</i> , 2018, 1555, 45-52.	3.7	14

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37	Quantification of N-acetyl-seryl-aspartyl-lysyl-proline in hemodialysis patients administered angiotensin-converting enzyme inhibitors by stable isotope dilution liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 54, 765-771.	2.8	12
38	A strategy for high-speed countercurrent chromatography purification of specific antioxidants from natural products based on on-line HPLC method with radical scavenging assay. <i>Food Chemistry</i> , 2012, 134, 2276-2282.	8.2	12
39	Use of chiral derivatization for the determination of dichlorprop in tea samples by ultra performance <sc>LC</sc> with fluorescence detection. <i>Journal of Separation Science</i> , 2013, 36, 1356-1361.	2.5	12
40	Separation of Major Safflowers from <i>Carthamus Yellow</i> using High-Speed Countercurrent Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2008, 31, 1047-1059.	1.0	11
41	DETERMINATION OF IMIDOCARB IN BOVINE TISSUES AND MILK SAMPLES BY LC-MS/MS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 2149-2156.	1.0	10
42	HILIC-MS/MS Method for the Quantitation of Nucleotides in Infant Formula and Adult Nutritional Formula: First Action 2011.21. <i>Journal of AOAC INTERNATIONAL</i> , 2012, 95, 603-605.	1.5	10
43	4-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-4-methylmorpholinium chloride as an enantioseparation enhancer for fluorescence chiral derivatization-liquid chromatographic analysis of dl-lactic acid. <i>Journal of Chromatography A</i> , 2014, 1360, 188-195.	3.7	10
44	Highly sensitive derivatization reagents possessing positively charged structures for the determination of oligosaccharides in glycoproteins by high-performance liquid chromatography electrospray ionization tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1465, 79-89.	3.7	10
45	Theanine, Antistress Amino Acid in Tea Leaves, Causes Hippocampal Metabolic Changes and Antidepressant Effects in Stress-Loaded Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 193.	4.1	10
46	On-line solid-phase extraction LC-MS/MS for the determination of Ac-SDKP peptide in human plasma from hemodialysis patients. <i>Biomedical Chromatography</i> , 2012, 26, 137-141.	1.7	9
47	Hydrophilic Interaction Liquid Chromatography Tandem Mass Spectrometry Method for the Determination of Bicozamycin in Milk. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009, 32, 1914-1924.	1.0	8
48	Preparative purification of gentamicin components using high-speed counter-current chromatography coupled with electrospray mass spectrometry. <i>Journal of Separation Science</i> , 2011, 34, 1484-1488.	2.5	8
49	Rapid and Sensitive Determination of Diacetylpolyamines in Human Fingernail by Ultrapformance Liquid Chromatography Coupled with Electrospray Ionization Tandem Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 477-486.	1.0	8
50	Advanced dress-up chiral columns: New removable chiral stationary phases for enantioseparation of chiral carboxylic acids. <i>Analytica Chimica Acta</i> , 2015, 882, 101-111.	5.4	8
51	First observation of N-acetyl leucine and N-acetyl isoleucine in diabetic patient hair and quantitative analysis by UPLC-ESI-MS/MS. <i>Clinica Chimica Acta</i> , 2015, 444, 143-148.	1.1	8
52	An easy-to-use excimer fluorescence derivatization reagent, 2-chloro-4-methoxy-6-(4-(pyren-4-yl)butoxy)-1,3,5-triazine, for use in the highly sensitive and selective liquid chromatography analysis of histamine in Japanese soy sauces. <i>Analytica Chimica Acta</i> , 2015, 880, 145-151.	5.4	8
53	A Review on the Foodomics Based on Liquid Chromatography Mass Spectrometry. <i>Chemical and Pharmaceutical Bulletin</i> , 2022, 70, 12-18.	1.3	8
54	Simple and Novel Screening Assay of Natural Antioxidants for Cu(II) Ion/Adrenaline-Mediated Oxidation of N-Terminal Amyloid I ² by Liquid Chromatography/Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 9413-9417.	5.2	6

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55	Design of synthetic single reference standards for the simultaneous determination of sesamin, sesamol, episesamin, and sesamol by HPLC using relative molar sensitivity. <i>Separation Science Plus</i> , 2018, 1, 498-505.	0.6	6
56	Experimental design of a stable isotope labeling derivatized UHPLC-MS/MS method for the detection/quantification of primary/secondary bile acids in biofluids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 209, 114485.	2.8	6
57	Determination of avoparcin in animal tissues and milk using LC-ESI-MS/MS and tandem-SPE. <i>Journal of Separation Science</i> , 2008, 31, 3871-3878.	2.5	5
58	PREPARATIVE ISOLATION OF AVERMECTIN ISOMERS BY HIGH-SPEED COUNTERCURRENT CHROMATOGRAPHY COUPLED WITH ELECTROSPRAY MASS SPECTROMETRY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 2621-2628.	1.0	5
59	Evaluation of a Novel Positively-Charged Pyrrolidine-Based Chiral Derivatization Reagent for the Enantioseparation of Carboxylic Acids by LC-ESI-MS/MS. <i>Chromatography</i> , 2015, 36, 57-60.	1.7	5
60	Application of High-speed Countercurrent Chromatography for the Purification of High-purity Illudin S from <i>Omphalotus japonicus</i> . <i>Analytical Sciences</i> , 2019, 35, 789-792.	1.6	5
61	Relationship between dexmedetomidine dose and plasma dexmedetomidine concentration in critically ill infants: a prospective observational cohort study. <i>Korean Journal of Anesthesiology</i> , 2017, 70, 426.	2.5	4
62	Simultaneous Determination of Five Polyether Ionophores Using Liquid Chromatography with One-step Fluorescent Derivatization. <i>Analytical Sciences</i> , 2012, 28, 175-178.	1.6	3
63	Quantification of tea-derived catechins without the requirement for respective calibration curves by single reference liquid chromatography based on relative molar sensitivity. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 3804-3810.	3.5	3
64	Advances in Chromatographic Analysis of Cannabidiol (CBD). <i>Analytical Sciences</i> , 2020, 36, 781-782.	1.6	3
65	Verification of the Impact of Blood Glucose Level on Liver Carcinogenesis and the Efficacy of a Dietary Intervention in a Spontaneous Metabolic Syndrome Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12844.	4.1	3
66	Study on the Synthesis of Methylated Reference and Their Application in the Quantity of Curcuminoids Using Single Reference Liquid Chromatography Based on Relative Molar Sensitivity. <i>Chemical and Pharmaceutical Bulletin</i> , 2022, 70, 25-31.	1.3	2
67	Effect of different surgical procedures on the accuracy of prediction of the plasma concentration of fentanyl: comparison between mastectomy and laparoscopic prostatectomy. <i>JA Clinical Reports</i> , 2017, 3, 30.	0.7	1
68	LC-MS/MS assay for the investigation of acetylated Alpha-synuclein in serum from postmortem Alzheimer's disease pathology. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1181, 122885.	2.3	1
69	Simultaneous determination of alachlor and its metabolites in beef muscle, liver, milk, and egg by liquid chromatography-tandem mass spectrometry. <i>Separation Science Plus</i> , 2021, 4, 68-76.	0.6	0