Jun Zhe Min

List of Publications by Year
in descending order

95	2,059	201674	302126
papers	citations	27 h-index	39 g-index

97	97	97	2311
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simple and practical derivatization procedure for enhanced detection of carboxylic acids in liquid chromatographyâ€“electrospray ionization-tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 809-818.	2.8	105
2	A specific LC/ESIâ€MS/MS method for determination of 25â€hydroxyvitamin D₃ in neonatal dried blood spots containing a potential interfering metabolite, 3â€epiâ€25â€hydroxyvitamin D₃. Journal of Separation Science, 2011, 34, 725-732.	2.5	71
3	Diagnostic approach to breast cancer patients based on target metabolomics in saliva by liquid chromatography with tandem mass spectrometry. Clinica Chimica Acta, 2016, 452, 18-26.	1.1	68
4	UPLC/ESIâ€MS/MSâ€based determination of metabolism of several new illicit drugs, ADBâ€FUBINACA, ABâ€FUBINACA, ABâ€PINACA, QUPIC, 5Fâ€QUPIC and Î±â€PVT, by human liver microsome. Biomedical Chromatography, 2014, 28, 831-838.	1.7	63
5	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1002, 394-398.	2.3	60
6	Simultaneous determination of dl-lactic acid and dl-3-hydroxybutyric acid enantiomers in saliva of diabetes mellitus patients by high-throughput LCâ€“ESI-MS/MS. Analytical and Bioanalytical Chemistry, 2012, 404, 1925-1934.	3.7	54
7	Towards the chiral metabolomics: Liquid chromatographyâ€“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. Analytica Chimica Acta, 2015, 875, 73-82.	5.4	52
8	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 UPLCâ€“ESI-TOF-MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 3220-3228.	2.3	51
9	The great importance of normalization of LCâ€“MS data for highlyâ€accurate nonâ€targeted metabolomics. Biomedical Chromatography, 2017, 31, e3864.	1.7	50
10	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. Clinica Chimica Acta, 2011, 412, 861-872.	1.1	48
11	High-Throughput LCâ€“MS/MS Based Simultaneous Determination of Polyamines Including N-Acetylated Forms in Human Saliva and the Diagnostic Approach to Breast Cancer Patients. Analytical Chemistry, 2013, 85, 11835-11842.	6.5	47
12	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. Analytica Chimica Acta, 2014, 811, 51-59.	5.4	47
13	Metabolomics approach of infant formula for the evaluation of contamination and degradation using hydrophilic interaction liquid chromatography coupled with mass spectrometry. Food Chemistry, 2015, 181, 318-324.	8.2	46
14	Highly sensitive and positively charged precolumn derivatization reagent for amines and amino acids in liquid chromatography/electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 1358-1364.	1.5	43
15	Novel chiral derivatization reagents possessing a pyridylthiourea structure for enantiospecific determination of amines and carboxylic acids in high-throughput liquid chromatography and electrospray-ionization mass spectrometry for chiral metabolomics identification. Journal of Chromatography A, 2013, 1296, 111-118.	3.7	42
16	A novel approach for LC-MS/MS-based chiral metabolomics fingerprinting and chiral metabolomics extraction using a pair of enantiomers of chiral derivatization reagents. Analytica Chimica Acta, 2015, 898, 73-84.	5.4	41
17	Dried Saliva Spot (DSS) as a Convenient and Reliable Sampling for Bioanalysis: An Application for the Diagnosis of Diabetes Mellitus. Analytical Chemistry, 2016, 88, 635-639.	6.5	41
18	Determination of Fluorescence-Labeled Asparaginyl-Oligosaccharide in Glycoprotein by Reversed-Phase Ultraperformance Liquid Chromatography with Electrospray Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2007, 79, 8694-8698.	6.5	39

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19	Profiling of chiral and achiral carboxylic acid metabolomics: synthesis and evaluation of triazine-type chiral derivatization reagents for carboxylic acids by LC-ESI-MS/MS and the application to saliva of healthy volunteers and diabetic patients. Analytical and Bioanalytical Chemistry, 2015, 407, 1003-1014.	3.7	38
20	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. Journal of Proteome Research, 2010, 9, 3912-3922.	3.7	34
21	Selective and sensitive determination of lipoyllysine (protein-bound Î±-lipoic acid) in biological specimens by high-performance liquid chromatography with fluorescence detection. Analytica Chimica Acta, 2008, 618, 210-217.	5.4	30
22	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. Clinica Chimica Acta, 2011, 412, 98-106.	1.1	30
23	Stable isotope dilution HILICâ€MS/MS method for accurate quantification of glutamic acid, glutamine, pyroglutamic acid, GABA and theanine in mouse brain tissues. Biomedical Chromatography, 2016, 30, 55-61.	1.7	28
24	Bioanalysis of bevacizumab and infliximab by high-temperature reversed-phase liquid chromatography with fluorescence detection after immunoaffinity magnetic purification. Analytica Chimica Acta, 2016, 916, 112-119.	5.4	28
25	Rapid analysis of Nâ€linked oligosaccharides in glycoproteins (ovalbumin, ribonuclease B and) Tj ETQq1 1 0.784314 rgBT /Overlo electrospray ionization timeâ€ofâ€flight mass spectrometry. Biomedical Chromatography, 2009, 23, 516-523.	1.7	27
26	First detection of free d-amino acids in human nails by combination of derivatization and UPLC-ESI-TOF-MS. Analytical Methods, 2010, 2, 1233.	2.7	27
27	Relative quantification of enantiomers of chiral amines by high-throughput LCâ€“ESI-MS/MS using isotopic variants of light and heavy l-pyroglutamic acids as the derivatization reagents. Analytica Chimica Acta, 2013, 773, 76-82.	5.4	27
28	Evaluation of a series of prolylamidepyridines as the chiral derivatization reagents for enantioseparation of carboxylic acids by LCâ€“ESIâ€“MS/MS and the application to human saliva. Analytical and Bioanalytical Chemistry, 2014, 406, 2641-2649.	3.7	27
29	Chiral amines as reagents for <scp>HPLC</scp>â€“<scp>MS</scp> enantioseparation of chiral carboxylic acids. Journal of Separation Science, 2012, 35, 1551-1559.	2.5	26
30	Determination of acetone in saliva by reversed-phase liquid chromatography with fluorescence detection and the monitoring of diabetes mellitus patients with ketoacidosis. Clinica Chimica Acta, 2014, 430, 140-144.	1.1	26
31	Determination of creatinine-related molecules in saliva by reversed-phase liquid chromatography with tandem mass spectrometry and the evaluation of hemodialysis in chronic kidney disease patients. Analytica Chimica Acta, 2016, 911, 92-99.	5.4	26
32	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. Journal of Chromatography A, 2008, 1205, 94-102.	3.7	25
33	A quantitative analysis of the polyamine in lung cancer patient fingernails by LCâ€ESIâ€MS/MS. Biomedical Chromatography, 2014, 28, 492-499.	1.7	25
34	Rapid and sensitive determination of the intermediates of advanced glycation end products in the human nail by ultra-performance liquid chromatography with electrospray ionization time-of-flight mass spectrometry. Analytical Biochemistry, 2012, 424, 187-194.	2.4	23
35	A novel derivatization reagent possessing a bromoquinolinium structure for biological carboxylic acids in <scp>HPLCâ€ESIâ€MS/MS</scp>. Journal of Separation Science, 2013, 36, 1883-1889.	2.5	23
36	Determination of dicyandiamide in infant formula by stable isotope dilution hydrophilic interaction liquid chromatography with tandem mass spectrometry. Food Chemistry, 2014, 156, 390-393.	8.2	23

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37	Methods for determination of fingernail steroids by LC/MS/MS and differences in their contents between right and left hands. Steroids, 2016, 109, 60-65.	1.8	21
38	Simultaneous determination of DL-cysteine, DL-homocysteine, and glutathione in saliva and urine by UHPLC-Q-Orbitrap HRMS: Application to studies of oxidative stress. Journal of Pharmaceutical and Biomedical Analysis, 2021, 196, 113939.	2.8	20
39	Rapid detection of ketamine and norketamine in rat hair using micropulverized extraction and ultraâ€performance liquid chromatographyâ€“electrospray ionization mass spectrometry. Biomedical Chromatography, 2009, 23, 1245-1250.	1.7	19
40	Foodomics Platform for the Assay of Thiols in Wines with Fluorescence Derivatization and Ultra Performance Liquid Chromatography Mass Spectrometry Using Multivariate Statistical Analysis. Journal of Agricultural and Food Chemistry, 2013, 61, 1228-1234.	5.2	19
41	Simple and Sensitive Analysis of Histamine and Tyramine in Japanese Soy Sauces and Their Intermediates Using the Stable Isotope Dilution HILICâ€“MS/MS Method. Journal of Agricultural and Food Chemistry, 2014, 62, 6206-6211.	5.2	19
42	Prediction for the Separation Efficiency of a Pair of Enantiomers during Chiral High-Performance Liquid Chromatography Using a Quartz Crystal Microbalance. Analytical Chemistry, 2008, 80, 1824-1828.	6.5	18
43	Development of a stable isotope dilution UPLCâ€MS/MS method for quantification of dexmedetomidine in a small amount of human plasma. Biomedical Chromatography, 2013, 27, 853-858.	1.7	18
44	Novel fluorescent asparaginyl-N-acetyl-d-glucosamines (Asn-GlcNAc) for the resolution of oligosaccharides in glycopeptides, based on enzyme transglycosylation reaction. Analytica Chimica Acta, 2005, 550, 173-181.	5.4	17
45	Resolution of oligosaccharides in glycopeptides using immobilized Endo-M and ultra-performance liquid chromatography with electrospray ionization time-of-flight mass spectrometry. Biomedical Chromatography, 2007, 21, 852-860.	1.7	17
46	Screening DNA Adducts by LCâ€“ESIâ€“MSâ€“MS: Application to Screening New Adducts Formed from Acrylamide. Chromatographia, 2010, 72, 1043-1048.	1.3	16
47	Stable isotope-dilution liquid chromatography/tandem mass spectrometry method for determination of thyroxine in saliva. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 1013-1017.	2.3	16
48	Synthesis of ?uorescent label, DBD-?-proline, and the resolution ef?ciency for chiral amines by reversed-phase chromatography. Biomedical Chromatography, 2005, 19, 43-50.	1.7	15
49	Evaluation of gardenia yellow using crocetin from alkaline hydrolysis based on ultra high performance liquid chromatography and highâ€speed countercurrent chromatography. Journal of Separation Science, 2014, 37, 3619-3624.	2.5	15
50	Synthesis and evaluation of a novel chiral derivatization reagent for resolution of carboxylic acid enantiomers by RP-HPLC. Microchemical Journal, 2017, 135, 213-220.	4.5	15
51	Synthesis and Evaluation of 3-Substituted-4-(quinoxalin-6-yl) Pyrazoles as TGF-Î² Type I Receptor Kinase Inhibitors. Molecules, 2018, 23, 3369.	3.8	15
52	Resolution of N-linked oligosaccharides in glycoproteins based upon transglycosylation reaction by CE-TOF-MS. Chemical Communications, 2005, , 3484.	4.1	14
53	Simultaneous determination of 11 designated hallucinogenic phenethylamines by ultra-fast liquid chromatography with fluorescence detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 873, 187-194.	2.3	14
54	Principal component analysis of molecularly based signals from infant formula contaminations using LCâ€MS and NMR in foodomics. Journal of the Science of Food and Agriculture, 2016, 96, 3876-3881.	3.5	14

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55	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. Journal of Chromatography A, 2007, 1160, 120-127.	3.7	13
56	A novel, simplified strategy of relative quantification N-glycan: Quantitative glycomics using electrospray ionization mass spectrometry through the stable isotopic labeling by transglycosylation reaction of mutant enzyme Endo-M-N175Q. Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 365-373.	2.8	13
57	High Sensitivity and Precision High-Temperature Reversed-Phase LC Analysis of Bevacizumab for Intact Bioanalysis of Therapeutic Monoclonal Antibodies. Chromatography, 2018, 39, 21-26.	1.7	13
58	Uric acid quantification in fingernail of gout patients and healthy volunteers using HPLCâ€UV. Biomedical Chromatography, 2016, 30, 1338-1342.	1.7	11
59	Simultaneous determination of three endogenous chiral thiol compounds in serum from humans at normal and stress states using ultrahigh-performance liquid chromatography coupled to quadrupole-Orbitrap high resolution mass spectrometry. Journal of Chromatography A, 2021, 1642, 462028.	3.7	11
60	Synthesis and evaluation of new fluorescent derivatization reagents for resolution of chiral amines by RP-HPLC. Analytica Chimica Acta, 2004, 515, 243-253.	5.4	10
61	4-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-4-methylmorpholinium chloride as an enantioseparation enhancer for fluorescence chiral derivatizationâ€“liquid chromatographic analysis of dl-lactic acid. Journal of Chromatography A, 2014, 1360, 188-195.	3.7	10
62	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. Journal of Chromatography A, 2016, 1465, 79-89.	3.7	10
63	Determination of d,l-Amino Acids in Collagen from Pig and Cod Skins by UPLC Using Pre-column Fluorescent Derivatization. Food Analytical Methods, 2018, 11, 3130-3137.	2.6	10
64	HPLC enantioseparation of Î±,Î±â€diphenylâ€2â€pyrrolidinemethanol and methylphenidate using a chiral fluorescent derivatization reagent and its application to the analysis of rat plasma. Journal of Separation Science, 2010, 33, 3137-3143.	2.5	9
65	Dielsâ€“Alder derivatization for sensitive detection and characterization of conjugated linoleic acids using LC/ESI-MS/MS. Analytical and Bioanalytical Chemistry, 2012, 403, 495-502.	3.7	9
66	A convenient sampling and noninvasive dried spot method of uric acid in human saliva: Comparison of serum uric acid value and salivary uric acid in healthy volunteers and hyperuricemia patients. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1164, 122528.	2.3	9
67	Development and validation of stableâ€isotope dilution liquid chromatographyâ€“tandem mass spectrometric method for determination of salivary progesterone. Biomedical Chromatography, 2011, 25, 1175-1180.	1.7	8
68	Rapid and Sensitive Determination of Diacetylpolyamines in Human Fingernail by Ultraperformance Liquid Chromatography Coupled with Electrospray Ionization Tandem Mass Spectrometry. European Journal of Mass Spectrometry, 2014, 20, 477-486.	1.0	8
69	Advanced dress-up chiral columns: New removable chiral stationary phases for enantioseparation of chiral carboxylic acids. Analytica Chimica Acta, 2015, 882, 101-111.	5.4	8
70	First observation of N-acetyl leucine and N-acetyl isoleucine in diabetic patient hair and quantitative analysis by UPLCâ€“ESIâ€“MS/MS. Clinica Chimica Acta, 2015, 444, 143-148.	1.1	8
71	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. Analytica Chimica Acta, 2015, 880, 145-151.	5.4	8
72	Evaluation of chiral separation efficiency of a novel OTPTHE derivatization reagent: Applications to liquidâ€chromatographic determination of DLâ€serine in human plasma. Chirality, 2019, 31, 1043-1052.	2.6	8

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73	Simultaneous Determination of Chiral Thiol Compounds and Monitoring of Dynamic Changes in Human Urine after Drinking Chinese Korean Ethnic Rice Wine. Journal of Agricultural and Food Chemistry, 2021, 69, 5416-5427.	5.2	8
74	Identification of Nâ€linked oligosaccharide labeled with 1â€pyrenesulfonyl chloride by quadrupole timeâ€ofâ€flight tandem mass spectrometry after separation by microâ€and nanoflow liquid chromatography. Biomedical Chromatography, 2009, 23, 912-921.	1.7	7
75	Simultaneous and group determination methods for designated substances by HPLC with multiâ€channel electrochemical detection and their application to real samples. Biomedical Chromatography, 2010, 24, 1287-1299.	1.7	7
76	A rapid and sensitive detection of D-Aspartic acid in Crystallin by chiral derivatized liquid chromatography mass spectrometry. Journal of Chromatography A, 2016, 1467, 318-325.	3.7	7
77	Potential use of a dried saliva spot (DSS) in therapeutic drug monitoring and disease diagnosis. Journal of Pharmaceutical Analysis, 2022, 12, 815-823.	5.3	7
78	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. Analytical and Bioanalytical Chemistry, 2009, 395, 1411-1422.	3.7	6
79	Automatic analyzer for highly polar carboxylic acids based on fluorescence derivatizationâ€“liquid chromatography. Biomedical Chromatography, 2015, 29, 445-451.	1.7	6
80	Sensitive and Comprehensive LC-MS/MS Analyses of Chiral Pharmaceuticals and Their Hepatic Metabolites Using Ovomucoid Column. Analytical Sciences, 2018, 34, 1011-1015.	1.6	6
81	Development of Highly Sensitive Analysis Method for Histamine and Metabolites in Pregnant Womenâ€™s Fingernail by UPLC-ESI-MS. Analytical Sciences, 2018, 34, 1023-1029.	1.6	6
82	Urate in fingernail represents the deposition of urate burden in gout patients. Scientific Reports, 2020, 10, 15575.	3.3	6
83	Simultaneous Determination of Free DL-Amino Acids in Natto with Novel Fluorescent Derivatization by UPLC-FL. Food Analytical Methods, 2021, 14, 1099-1109.	2.6	6
84	Dress-up chiral columns for the enantioseparation of amino acids based on fluorous separation. Analytical and Bioanalytical Chemistry, 2013, 405, 8121-8129.	3.7	5
85	Evaluation of a Novel Positively-Charged Pyrrolidine-Based Chiral Derivatization Reagent for the Enantioseparation of Carboxylic Acids by LC-ESI-MS/MS. Chromatography, 2015, 36, 57-60.	1.7	5
86	Determination of N-acetyl-DL-leucine in the saliva of healthy volunteers and diabetic patients using ultra-performance liquid chromatography with fluorescence detection. Clinica Chimica Acta, 2022, 526, 66-73.	1.1	5
87	Highly sensitive novel fluorescent chiral probe possessing (S)-2-methylproline structures for the determination of chiral amino compounds by ultra-performance liquid chromatography with fluorescence: An application in the saliva of healthy volunteer. Journal of Chromatography A, 2022, 1661, 462672.	3.7	4
88	Relative quantitation of glycans in cetuximab using ultra-high-performance liquid chromatography-high-resolution mass spectrometry by Pronase E digestion. Journal of Chromatography A, 2022, 1677, 463302.	3.7	4
89	Rapid determination of oxidized methionine residues in recombinant human basic fibroblast growth factor by ultraâ€performance liquid chromatography and electrospray ionization quadrupole timeâ€ofâ€flight mass spectrometry with inâ€source collisionâ€induced dissociation. Rapid Communications in Mass Spectrometry, 2009, 23, 2053-2060.	1.5	3
90	Development of novel active acceptors possessing a positively charged structure for the transglycosylation reaction with Endo-M and their application to oligosaccharide analysis. Rapid Communications in Mass Spectrometry, 2011, 25, 2911-2922.	1.5	3

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91	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. Drug Testing and Analysis, 2012, 4, 1001-1008.	2.6	3
92	Computational Prediction of Diastereomeric Separation Behavior of Fluorescent o-Phthalaldehyde Derivatives of Amino Acids. Analytical Sciences, 2014, 30, 865-870.	1.6	3
93	4-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-4-methylmorpholinium Chloride as an Enantioseparation Enhancer for Chiral Derivatization-LC Analysis of D- and L-Amino acids. Chromatography, 2016, 37, 23-28.	1.7	3
94	Development of the High Sensitive Separation Analysis Method of Metabolites in Human Nail and its Application to the Diagnosis of Chronic Disease. Chromatography, 2014, 35, 23-29.	1.7	3
95	Fluorescence Bioanalysis of Bevacizumab Using Pre-Column and Post-Column Derivatization â€“ Liquid Chromatography After Immunoaffinity Magnetic Purification. Chromatography, 2020, 41, 115-122.	1.7	2