

Jun Zhe Min

List of Publications by Year in descending order

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95
papers

2,059
citations

201674

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docs citations

97
times ranked

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#	ARTICLE	IF	CITATIONS
1	Potential use of a dried saliva spot (DSS) in therapeutic drug monitoring and disease diagnosis. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 815-823.	5.3	7
2	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. <i>Journal of Chromatography A</i> , 2022, 1661, 462672.	3.7	4
3	Determination of N-acetyl-DL-leucine in the saliva of healthy volunteers and diabetic patients using ultra-performance liquid chromatography with fluorescence detection. <i>Clinica Chimica Acta</i> , 2022, 526, 66-73.	1.1	5
4	Relative quantitation of glycans in cetuximab using ultra-high-performance liquid chromatography-high-resolution mass spectrometry by Pronase E digestion. <i>Journal of Chromatography A</i> , 2022, 1677, 463302.	3.7	4
5	Simultaneous Determination of Free DL-Amino Acids in Natto with Novel Fluorescent Derivatization by UPLC-FL. <i>Food Analytical Methods</i> , 2021, 14, 1099-1109.	2.6	6
6	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. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1164, 122528.	2.3	9
7	Simultaneous determination of DL-cysteine, DL-homocysteine, and glutathione in saliva and urine by UHPLC-Q-Orbitrap HRMS: Application to studies of oxidative stress. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 196, 113939.	2.8	20
8	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. <i>Journal of Chromatography A</i> , 2021, 1642, 462028.	3.7	11
9	Simultaneous Determination of Chiral Thiol Compounds and Monitoring of Dynamic Changes in Human Urine after Drinking Chinese Korean Ethnic Rice Wine. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 5416-5427.	5.2	8
10	Urate in fingernail represents the deposition of urate burden in gout patients. <i>Scientific Reports</i> , 2020, 10, 15575.	3.3	6
11	Fluorescence Bioanalysis of Bevacizumab Using Pre-Column and Post-Column Derivatization " Liquid Chromatography After Immunoaffinity Magnetic Purification. <i>Chromatography</i> , 2020, 41, 115-122.	1.7	2
12	Evaluation of chiral separation efficiency of a novel OTPHE derivatization reagent: Applications to liquid chromatographic determination of DL-serine in human plasma. <i>Chirality</i> , 2019, 31, 1043-1052.	2.6	8
13	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 365-373.	2.8	13
14	Synthesis and Evaluation of 3-Substituted-4-(quinoxalin-6-yl) Pyrazoles as TGF- β 2 Type I Receptor Kinase Inhibitors. <i>Molecules</i> , 2018, 23, 3369.	3.8	15
15	Sensitive and Comprehensive LC-MS/MS Analyses of Chiral Pharmaceuticals and Their Hepatic Metabolites Using Ovomucoid Column. <i>Analytical Sciences</i> , 2018, 34, 1011-1015.	1.6	6
16	Determination of d,l-Amino Acids in Collagen from Pig and Cod Skins by UPLC Using Pre-column Fluorescent Derivatization. <i>Food Analytical Methods</i> , 2018, 11, 3130-3137.	2.6	10
17	High Sensitivity and Precision High-Temperature Reversed-Phase LC Analysis of Bevacizumab for Intact Bioanalysis of Therapeutic Monoclonal Antibodies. <i>Chromatography</i> , 2018, 39, 21-26.	1.7	13
18	Development of Highly Sensitive Analysis Method for Histamine and Metabolites in Pregnant Women's Fingernail by UPLC-ESI-MS. <i>Analytical Sciences</i> , 2018, 34, 1023-1029.	1.6	6

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19	Synthesis and evaluation of a novel chiral derivatization reagent for resolution of carboxylic acid enantiomers by RP-HPLC. <i>Microchemical Journal</i> , 2017, 135, 213-220.	4.5	15
20	The great importance of normalization of LC-MS data for highly accurate non-targeted metabolomics. <i>Biomedical Chromatography</i> , 2017, 31, e3864.	1.7	50
21	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. <i>Chromatography</i> , 2016, 37, 23-28.	1.7	3
22	A rapid and sensitive detection of D-Aspartic acid in Crystallin by chiral derivatized liquid chromatography mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1467, 318-325.	3.7	7
23	Methods for determination of fingernail steroids by LC/MS/MS and differences in their contents between right and left hands. <i>Steroids</i> , 2016, 109, 60-65.	1.8	21
24	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
25	Uric acid quantification in fingernail of gout patients and healthy volunteers using HPLC-UV. <i>Biomedical Chromatography</i> , 2016, 30, 1338-1342.	1.7	11
26	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
27	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. <i>Analytica Chimica Acta</i> , 2016, 911, 92-99.	5.4	26
28	Dried Saliva Spot (DSS) as a Convenient and Reliable Sampling for Bioanalysis: An Application for the Diagnosis of Diabetes Mellitus. <i>Analytical Chemistry</i> , 2016, 88, 635-639.	6.5	41
29	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
30	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
31	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
32	Automatic analyzer for highly polar carboxylic acids based on fluorescence derivatization-liquid chromatography. <i>Biomedical Chromatography</i> , 2015, 29, 445-451.	1.7	6
33	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
34	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
35	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
36	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. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1003-1014.	3.7	38

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37	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
38	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
39	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
40	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
41	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
42	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
43	Evaluation of a series of prolylamidopyridines as the chiral derivatization reagents for enantioseparation of carboxylic acids by LC-ESI-MS/MS and the application to human saliva. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2641-2649.	3.7	27
44	UPLC/ESI-MS/MS-based determination of metabolism of several new illicit drugs, ADB-FUBINACA, AB-FUBINACA, AB-PINACA, QUPIC, 5F-QUPIC and Δ^9 -THC-PVT, by human liver microsome. <i>Biomedical Chromatography</i> , 2014, 28, 831-838.	1.7	63
45	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
46	A quantitative analysis of the polyamine in lung cancer patient fingernails by LC-ESI-MS/MS. <i>Biomedical Chromatography</i> , 2014, 28, 492-499.	1.7	25
47	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
48	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
49	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
50	Simple and Sensitive Analysis of Histamine and Tyramine in Japanese Soy Sauces and Their Intermediates Using the Stable Isotope Dilution HILIC-MS/MS Method. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 6206-6211.	5.2	19
51	Computational Prediction of Diastereomeric Separation Behavior of Fluorescent α -Phthalaldehyde Derivatives of Amino Acids. <i>Analytical Sciences</i> , 2014, 30, 865-870.	1.6	3
52	Rapid and Sensitive Determination of Diacetylpolyamines in Human Fingernail by Ultraperformance Liquid Chromatography Coupled with Electrospray Ionization Tandem Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 477-486.	1.0	8
53	Development of the High Sensitive Separation Analysis Method of Metabolites in Human Nail and its Application to the Diagnosis of Chronic Disease. <i>Chromatography</i> , 2014, 35, 23-29.	1.7	3
54	Dress-up chiral columns for the enantioseparation of amino acids based on fluororous separation. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8121-8129.	3.7	5

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55	A novel derivatization reagent possessing a bromoquinolinium structure for biological carboxylic acids in <sc>HPLC</sc>. Journal of Separation Science, 2013, 36, 1883-1889.	2.5	23
56	High-Throughput LC^{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
57	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
58	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. Analytica Chimica Acta, 2013, 773, 76-82.	5.4	27
59	Development of a stable isotope dilution UPLC^{MS/MS} method for quantification of dexmedetomidine in a small amount of human plasma. Biomedical Chromatography, 2013, 27, 853-858.	1.7	18
60	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
61	Simultaneous determination of dl-lactic acid and dl-3-hydroxybutyric acid enantiomers in saliva of diabetes mellitus patients by high-throughput LC^{ESI-MS/MS}. Analytical and Bioanalytical Chemistry, 2012, 404, 1925-1934.	3.7	54
62	Chiral amines as reagents for <sc>HPLC</sc>^{MS} enantioseparation of chiral carboxylic acids. Journal of Separation Science, 2012, 35, 1551-1559.	2.5	26
63	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
64	Diels^{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
65	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
66	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
67	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
68	Determination of dl-amino acids, derivatized with R^(â²)-4-(3-isothiocyanatopyrrolidin-1-yl)-7-(N,N-dimethylaminosulfonyl)-2,1,3-benzoxadiazole, in nail of diabetic patients by UPLC^{ESI-TOF-MS}. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 3220-3228.	2.3	51
69	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
70	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
71	A specific LC/ESI^{MS/MS} method for determination of 25^{hydroxy}vitamin D₃ in neonatal dried blood spots containing a potential interfering metabolite, 3^{epi}25^{hydroxy}vitamin D₃. Journal of Separation Science, 2011, 34, 725-732.	2.5	71
72	Development and validation of stable^{isotope} dilution liquid chromatography^{tandem} mass spectrometric method for determination of salivary progesterone. Biomedical Chromatography, 2011, 25, 1175-1180.	1.7	8

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73	Screening DNA Adducts by LC-ESI-MS/MS: Application to Screening New Adducts Formed from Acrylamide. <i>Chromatographia</i> , 2010, 72, 1043-1048.	1.3	16
74	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
75	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
76	HPLC enantioseparation of \pm -diphenylpyrrolidinemethanol 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
77	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
78	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
79	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
80	Rapid analysis of N-linked oligosaccharides in glycoproteins (ovalbumin, ribonuclease B and Tj ETQq0 0 0 rgBT /Overlock 10 Tf) electro spray ionization time-of-flight mass spectrometry. <i>Biomedical Chromatography</i> , 2009, 23, 516-523.	1.7	27
81	Identification of N-linked oligosaccharide labeled with 14 C-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
82	Rapid detection of ketamine and norketamine in rat hair using micropulverized extraction and ultra-performance liquid chromatography-electrospray ionization mass spectrometry. <i>Biomedical Chromatography</i> , 2009, 23, 1245-1250.	1.7	19
83	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
84	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
85	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
86	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
87	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
88	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
89	Determination of Fluorescence-Labeled Asparaginyl-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
90	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

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91	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
92	Novel fluorescent asparaginyl-N-acetyl-d-glucosamines (Asn-GlcNAc) for the resolution of oligosaccharides in glycopeptides, based on enzyme transglycosylation reaction. <i>Analytica Chimica Acta</i> , 2005, 550, 173-181.	5.4	17
93	Synthesis of fluorescent label, DBD- γ -proline, and the resolution efficiency for chiral amines by reversed-phase chromatography. <i>Biomedical Chromatography</i> , 2005, 19, 43-50.	1.7	15
94	Resolution of N-linked oligosaccharides in glycoproteins based upon transglycosylation reaction by CE-TOF-MS. <i>Chemical Communications</i> , 2005, , 3484.	4.1	14
95	Synthesis and evaluation of new fluorescent derivatization reagents for resolution of chiral amines by RP-HPLC. <i>Analytica Chimica Acta</i> , 2004, 515, 243-253.	5.4	10