

Tatsuya Higashi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119 papers	2,905 citations	31 h-index	47 g-index
123 ext. papers	3,231 ext. citations	3 avg, IF	5.2 L-index

#	Paper	IF	Citations
119	A method for determination of aldosterone concentrations of six adrenal venous serum samples during a single LC/ESI-MS/MS run using a sextet of Girard reagents. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 207, 114423	3.5	2
118	23,25-Dihydroxyvitamin D3 is liberated as a major vitamin D3 metabolite in human urine after treatment with β -glucuronidase: Quantitative comparison with 24,25-dihydroxyvitamin D3 by LC/MS/MS. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2022 , 223, 106133	5.1	
117	Derivatization-based quadruplex LC/ESI-MS/MS method for high throughput quantification of serum dehydroepiandrosterone sulfate. <i>Biomedical Chromatography</i> , 2021 , 35, e5027	1.7	2
116	Controlled lipid oxidation and carnitine biosynthesis by a vitamin D metabolite. <i>Cell Chemical Biology</i> , 2021 ,	8.2	1
115	Sample-multiplexing by derivatization using multiple analogous reagents for enhancing throughput in LC/ESI-MS/MS assay of steroids: Plasma 17 β -hydroxyprogesterone as an example. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1146, 122117	3.2	5
114	Analysis of steryl glucosides in rice bran-based fermented food by LC/ESI-MS/MS. <i>Steroids</i> , 2020 , 158, 108605	2.8	4
113	Benzothiazepines, diltiazem and JTV-519, exert an anxiolytic-like effect via neurosteroid biosynthesis in mice. <i>Journal of Pharmacological Sciences</i> , 2020 , 143, 234-237	3.7	0
112	Enhancing LC/ESI-MS/MS Throughput for Plasma Bile Acid Assay by Derivatization-based Sample-Multiplexing. <i>Analytical Sciences</i> , 2020 , 36, 1099-1104	1.7	5
111	Quantification of ergothioneine in <i>Aspergillus oryzae</i> -fermented rice bran by a newly-developed LC/ESI-MS/MS method. <i>LWT - Food Science and Technology</i> , 2020 , 118, 108812	5.4	6
110	3-Epi-25-hydroxyvitamin D is a poor substrate for SULT2A1: Analysis of its 3-sulfate in cord plasma and recombinant human SULT2A1 incubate. <i>Steroids</i> , 2020 , 162, 108695	2.8	2
109	Derivatization-based sample-multiplexing for enhancing throughput in liquid chromatography/tandem mass spectrometry quantification of metabolites: an overview. <i>Journal of Chromatography A</i> , 2020 , 1634, 461679	4.5	6
108	Quantitative MALDI-MS/MS assay for serum cortisol through charged derivatization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 178, 112912	3.5	3
107	Tandem Mass Spectrometry Imaging Reveals Distinct Accumulation Patterns of Steroid Structural Isomers in Human Adrenal Glands. <i>Analytical Chemistry</i> , 2019 , 91, 8918-8925	7.8	27
106	Applications of MALDI mass spectrometry imaging for pharmacokinetic studies during drug development. <i>Drug Metabolism and Pharmacokinetics</i> , 2019 , 34, 209-216	2.2	20
105	Identification of conjugation positions of urinary glucuronidated vitamin D metabolites by LC/ESI-MS/MS after conversion to MS/MS-fragmentable derivatives. <i>Biomedical Chromatography</i> , 2019 , 33, e4538	1.7	3
104	Changes in Polyamine Content in Rice Bran due to Fermentation with <i>Aspergillus oryzae</i> Analyzed by LC/ESI-MS/MS Combined with Derivatization. <i>Analytical Sciences</i> , 2019 , 35, 427-432	1.7	7
103	(S)-1-(1-Methylpyridin-2-yl)-3-aminopiperidine as a novel derivatization reagent capable of enantiomeric separation and enhanced ESI-MS/MS detection for chiral carboxylic acids. <i>Microchemical Journal</i> , 2019 , 146, 25-33	4.8	3

102	A Method for Quantification of Tetrahydroglucocorticoid Glucuronides in Human Urine by LC/MS/MS with Isotope-coded Derivatization. <i>Analytical Sciences</i> , 2018 , 34, 1003-1009	1.7	7
101	A method for determination of aldosterone in adrenal tributary venous serum by derivatization using Girard P reagent isotopologues followed by LC/ESI-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1092, 106-113	3.2	13
100	Aldosterone and 18-Oxocortisol Coaccumulation in Aldosterone-Producing Lesions. <i>Hypertension</i> , 2018 , 72, 1345-1354	8.5	23
99	Enhancing analysis throughput, sensitivity and specificity in LC/ESI-MS/MS assay of plasma 25-hydroxyvitamin D by derivatization with triplex 4-(4-dimethylaminophenyl)-1,2,4-triazoline-3,5-dione (DAPTAD) isotopologues. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 136, 126-133	3.5	8
98	Role of allopregnanolone biosynthesis in acute stress-induced anxiety-like behaviors in mice. <i>Synapse</i> , 2017 , 71, e21978	2.4	12
97	Isotope-coded derivatization based LC/ESI-MS/MS methods using a pair of novel reagents for quantification of hydroxycinnamic acids and hydroxybenzoic acids in fermented brown rice product. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 142, 162-170	3.5	9
96	High performance liquid chromatography analysis of 100-nm liposomal nanoparticles using polymer-coated, silica monolithic columns with aqueous mobile phase. <i>Journal of Chromatography A</i> , 2017 , 1484, 34-40	4.5	18
95	Application of Cookson-type reagents for biomedical HPLC and LC/MS analyses: a brief overview. <i>Biomedical Chromatography</i> , 2017 , 31, e3808	1.7	13
94	Improved sensitivity of serum/plasma 25-dihydroxyvitamin D quantification by DAPTAD derivatization. <i>Clinica Chimica Acta</i> , 2017 , 473, 173-179	6.2	6
93	Unconjugated bile acids in rat brain: Analytical method based on LC/ESI-MS/MS with chemical derivatization and estimation of their origin by comparison to serum levels. <i>Steroids</i> , 2017 , 125, 107-113	2.8	38
92	Rapid Analysis of DOXIL Stability and Drug Release from DOXIL by HPLC Using a Glycidyl Methacrylate-Coated Monolithic Column. <i>Chemical and Pharmaceutical Bulletin</i> , 2017 , 65, 945-949	1.9	13
91	Methods for differential and quantitative analyses of brain neurosteroid levels by LC/MS/MS with ESI-enhancing and isotope-coded derivatization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 117, 155-62	3.5	12
90	Development and validation of the simultaneous measurement of four vitamin D metabolites in serum by LC-MS/MS for clinical laboratory applications. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 7617-7627	4.4	30
89	A Method for Simultaneous Determination of 25-Hydroxyvitamin D3 and Its 3-Sulfate in Newborn Plasma by LC/ESI-MS/MS after Derivatization with a Proton-Affinitive Cookson-Type Reagent. <i>Mass Spectrometry</i> , 2016 , 5, S0051	1.7	8
88	LC/ESI-MS/MS method for determination of salivary eicosapentaenoic acid concentration to arachidonic acid concentration ratio. <i>Biomedical Chromatography</i> , 2016 , 30, 29-34	1.7	20
87	Chemical derivatization for enhancing sensitivity during LC/ESI-MS/MS quantification of steroids in biological samples: a review. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016 , 162, 57-69	5.1	58
86	Comparative evaluation of new Cookson-type reagents for LC/ESI-MS/MS assay of 25-hydroxyvitamin D3 in neonatal blood samples. <i>Biomedical Chromatography</i> , 2016 , 30, 938-45	1.7	7
85	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, 60-5	2.8	14

84	Isotope-coded ESI-enhancing derivatization reagents for differential analysis, quantification and profiling of metabolites in biological samples by LC/MS: A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 130, 181-193	3.5	49
83	Comparison of the migration behavior of nanoparticles based on polyethylene glycol and silica using micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , 2015 , 38, 468-74	3.4	11
82	Enantioselective determination of ibuprofen in saliva by liquid chromatography/tandem mass spectrometry with chiral electrospray ionization-enhancing and stable isotope-coded derivatization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 98, 387-92	3.5	25
81	Analysis of urinary vitamin D metabolites by liquid chromatography/tandem mass spectrometry with ESI-enhancing and stable isotope-coded derivatization. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 6647-54	4.4	29
80	Development and validation of a method for determination of plasma 25-hydroxyvitamin D3 3-sulfate using liquid chromatography/tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 969, 230-4	3.2	25
79	An efficient synthesis of 7 β -2 β -dihydroxy-4-cholesten-3-one and its biological precursor 7 β -hydroxy-4-cholesten-3-one: Key intermediates in bile acid biosynthesis. <i>Steroids</i> , 2013 , 78, 927-37	2.8	7
78	Occurrence of cytotoxic 9-oxononanoyl secosterol aldehydes in human low-density lipoprotein. <i>Free Radical Biology and Medicine</i> , 2013 , 60, 73-9	7.8	16
77	Overestimation of salivary 25-hydroxyvitamin D3 level when using stimulated saliva with gum-chewing. <i>Steroids</i> , 2013 , 78, 884-7	2.8	6
76	(S)-1-(4-Dimethylaminophenylcarbonyl)-3-aminopyrrolidine: a derivatization reagent for enantiomeric separation and sensitive detection of chiral carboxylic acids by LC/ESI-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013 , 940, 7-14	3.2	26
75	Stereoselective synthesis and NMR characterization of C-24 epimeric pairs of 24-alkyl oxysterols. <i>Lipids</i> , 2013 , 48, 197-207	1.6	1
74	A novel Cookson-type reagent for enhancing sensitivity and specificity in assessment of infant vitamin D status using liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 2453-60	2.2	41
73	LC/MS/MS of steroids having vicinal diol as electrospray-active boronates. <i>Chemical and Pharmaceutical Bulletin</i> , 2013 , 61, 326-32	1.9	5
72	Salivary hormone measurement using LC/MS/MS: specific and patient-friendly tool for assessment of endocrine function. <i>Biological and Pharmaceutical Bulletin</i> , 2012 , 35, 1401-8	2.3	30
71	Influence of saliva flow rate stimulated by gum-chewing on salivary concentrations of catecholamine metabolites. <i>Clinica Chimica Acta</i> , 2012 , 414, 248-52	6.2	9
70	Derivatization of chiral carboxylic acids with (S)-anabasine for increasing detectability and enantiomeric separation in LC/ESI-MS/MS. <i>Journal of Separation Science</i> , 2012 , 35, 2840-6	3.4	19
69	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, 1001-8	3.5	3
68	Diels-Alder derivatization for sensitive detection and characterization of conjugated linoleic acids using LC/ESI-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 495-502	4.4	9
67	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. <i>Analytical Biochemistry</i> , 2012 , 424, 187-94	3.1	16

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. <i>Clinica Chimica Acta</i> , 2011 , 412, 98-106	6.2	25
65	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, 861-72	6.2	42
64	Determination of DL-amino acids, derivatized with R(-)-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, 3220-8	3.2	39
63	A highly sensitive LC-ESI-MS/MS method for the quantification of cholesterol ozonolysis products secosterol-A and secosterol-B after derivatization with 2-hydrazino-1-methylpyridine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011 , 879, 2802-8	3.2	11
62	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, 1013-7	3.2	14
61	Development of novel active acceptors possessing a positively charged structure for the transglycosylation reaction with Endo-M and their application to oligosaccharide analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 2911-22	2.2	3
60	A specific LC/ESI-MS/MS method for determination of 25-hydroxyvitamin D3 in neonatal dried blood spots containing a potential interfering metabolite, 3-epi-25-hydroxyvitamin D3. <i>Journal of Separation Science</i> , 2011 , 34, 725-32	3.4	58
59	Development and validation of stable-isotope dilution liquid chromatography-tandem mass spectrometric method for determination of salivary progesterone. <i>Biomedical Chromatography</i> , 2011 , 25, 1175-80	1.7	7
58	Formation of cholesterol ozonolysis products in vitro and in vivo through a myeloperoxidase-dependent pathway. <i>Journal of Lipid Research</i> , 2011 , 52, 87-97	6.3	35
57	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, 3912-22	5.6	34
56	Salivary chenodeoxycholic acid and its glycine-conjugate: their determination method using LC-MS/MS and variation of their concentrations with increased saliva flow rate. <i>Steroids</i> , 2010 , 75, 338-45	2.8	26
55	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	3.2	23
54	Screening DNA Adducts by LC-ESI-MS/MS: Application to Screening New Adducts Formed from Acrylamide. <i>Chromatographia</i> , 2010 , 72, 1043-1048	2.1	15
53	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, 809-18	3.5	92
52	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, 1287-99	1.7	6
51	HPLC enantioseparation of 1,1-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, 3137-43	3.4	7
50	Advances in determination of vitamin D related compounds in biological samples using liquid chromatography-mass spectrometry: a review. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 878, 1654-61	3.2	76
49	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, 1358-64	2.2	36

48	Simultaneous determination of salivary testosterone and dehydroepiandrosterone using LC-MS/MS: Method development and evaluation of applicability for diagnosis and medication for late-onset hypogonadism. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 2615-23	3.2	57
47	Studies on neurosteroids XXVI. Fluoxetine-evoked changes in rat brain and serum levels of neuroactive androgen, 5 alpha-androstane-3 alpha,17 beta-diol. <i>Biological and Pharmaceutical Bulletin</i> , 2009 , 32, 1636-8	2.3	20
46	Studies on neurosteroids XX. Liquid chromatography-tandem mass spectrometric method for simultaneous determination of testosterone and 5alpha-dihydrotestosterone in rat brain and serum. <i>Journal of Chromatographic Science</i> , 2008 , 46, 653-8	1.4	10
45	Studies on neurosteroids XXV. Influence of a 5alpha-reductase inhibitor, finasteride, on rat brain neurosteroid levels and metabolism. <i>Biological and Pharmaceutical Bulletin</i> , 2008 , 31, 1646-50	2.3	58
44	Liquid chromatography-tandem mass spectrometric method for the determination of salivary 25-hydroxyvitamin D3: a noninvasive tool for the assessment of vitamin D status. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 229-38	4.4	82
43	Studies on neurosteroids XXIV. Determination of neuroactive androgens, androsterone and 5alpha-androstane-3alpha,17beta-diol, in rat brain and serum using liquid chromatography-tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2008 , 22, 1434-41	1.7	10
42	Studies on neurosteroids XXII. Liquid chromatography-tandem mass spectrometric method for profiling rat brain 3-oxo-4-ene-neuroactive steroids. <i>Biomedical Chromatography</i> , 2008 , 22, 34-43	1.7	7
41	Liquid chromatography-tandem mass spectrometric method for determination of salivary 17alpha-hydroxyprogesterone: a noninvasive tool for evaluating efficacy of hormone replacement therapy in congenital adrenal hyperplasia. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 877, 10-17	3.2	32
40	Simultaneous determination of 17alpha-hydroxypregnenolone and 17alpha-hydroxyprogesterone in dried blood spots from low birth weight infants using LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 48, 177-82	3.5	47
39	Determination of salivary 17-ketosteroid sulfates using liquid chromatography-electrospray ionization-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 43, 1782-8	3.5	15
38	Development and application of electrospray-active derivatization reagents for hydroxysteroids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 44, 786-95	3.5	48
37	Determination of salivary dehydroepiandrosterone using liquid chromatography-tandem mass spectrometry combined with charged derivatization. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 846, 195-201	3.2	46
36	Studies on neurosteroids XIX. Development and validation of liquid chromatography-tandem mass spectrometric method for determination of 5alpha-reduced pregnane-type neurosteroids in rat brain and serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 848, 188-99	3.2	40
35	Alternative procedure for charged derivatization to enhance detection responses of steroids in electrospray ionization-MS. <i>Chemical and Pharmaceutical Bulletin</i> , 2007 , 55, 662-5	1.9	49
34	Studies on Neurosteroids XXI: an improved liquid chromatography-tandem mass spectrometric method for determination of 5alpha-androstane-3alpha,17beta-diol in rat brains. <i>Analytical Sciences</i> , 2007 , 23, 1015-9	1.7	14
33	Studies on neurosteroids XXIII. Analysis of tetrahydrocorticosterone isomers in the brain of rats exposed to immobilization using LC-MS. <i>Steroids</i> , 2007 , 72, 865-74	2.8	7
32	Procedure for increasing the detection responses of estrogens in LC-MS based on introduction of a nitrobenzene moiety followed by electron capture atmospheric pressure chemical ionization. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 386, 658-65	4.4	30
31	Studies on neurosteroids XVIII LC-MS analysis of changes in rat brain and serum testosterone levels induced by immobilization stress and ethanol administration. <i>Steroids</i> , 2006 , 71, 609-17	2.8	27

30	Liquid chromatography-mass spectrometric assay of androstenediol in prostatic tissue: influence of androgen deprivation therapy on its level. <i>Steroids</i> , 2006 , 71, 1007-13	2.8	22
29	Trace determination of steroids causing age-related diseases using LC/MS combined with detection-oriented derivatization. <i>Chemical and Pharmaceutical Bulletin</i> , 2006 , 54, 1479-85	1.9	31
28	Studies on neurosteroids XVII. Analysis of stress-induced changes in neurosteroid levels in rat brains using liquid chromatography-electron capture atmospheric pressure chemical ionization-mass spectrometry. <i>Steroids</i> , 2005 , 70, 1-11	2.8	58
27	Enzymic conversion of 3beta-hydroxy-5-ene-steroids and their sulfates to 3-oxo-4-ene-steroids for increasing sensitivity in LC-APCI-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 39, 718-23	3.5	14
26	2-hydrazino-1-methylpyridine: a highly sensitive derivatization reagent for oxosteroids in liquid chromatography-electrospray ionization-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 825, 214-22	3.2	87
25	Determination of prostatic androgens in 10 mg of tissue using liquid chromatography-tandem mass spectrometry with charged derivatization. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 1035-43	4.4	48
24	Derivatization of neutral steroids to enhance their detection characteristics in liquid chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 875-82	4.4	157
23	Analysis of C-3 epimerization in (24R)-24,25-dihydroxyvitamin D3 catalyzed by hydroxysteroid dehydrogenase. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 36, 429-36	3.5	14
22	High-performance liquid chromatography/electron capture atmospheric pressure chemical ionization-mass spectrometric determination of biologically active steroids. <i>Bunseki Kagaku</i> , 2004 , 53, 645-655	0.2	1
21	Application of 4-(4-nitrophenyl)-1,2,4-triazoline-3,5-dione to analysis of 25-hydroxyvitamin D3 in human plasma by liquid chromatography/electron capture atmospheric pressure chemical ionization-mass spectrometry. <i>Analytical Sciences</i> , 2003 , 19, 941-3	1.7	30
20	Studies on neurosteroids XVI. Levels of pregnenolone sulfate in rat brains determined by enzyme-linked immunosorbent assay not requiring solvolysis. <i>Biological and Pharmaceutical Bulletin</i> , 2003 , 26, 709-11	2.3	38
19	Studies on neurosteroids XV. Development of enzyme-linked immunosorbent assay for examining whether pregnenolone sulfate is a veritable neurosteroid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 30, 1907-17	3.5	30
18	Detection and characterization of 20-oxosteroids in rat brains using LC-electron capture APCI-MS after derivatization with 2-nitro-4-trifluoromethylphenylhydrazine. <i>Analyst, The</i> , 2003 , 128, 130-3	5	31
17	Liquid chromatography-mass spectrometric method combined with derivatization for determination of 1 alpha-hydroxyvitamin D(3) in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002 , 772, 229-38	3.2	16
16	Characterization of urinary metabolites of vitamin D(3) in man under physiological conditions using liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 29, 947-55	3.5	31
15	High-performance liquid chromatography/mass spectrometry of vitamin D compounds employing derivatization with Cookson-type reagents. <i>Bunseki Kagaku</i> , 2002 , 51, 487-493	0.2	3
14	Electron-capturing derivatization of neutral steroids for increasing sensitivity in liquid chromatography/negative atmospheric pressure chemical ionization-mass spectrometry. <i>Analytical Sciences</i> , 2002 , 18, 1301-7	1.7	47
13	Determination of 24,25-dihydroxyvitamin D(3) in human plasma using liquid chromatography-mass spectrometry after derivatization with a Cookson-type reagent. <i>Biomedical Chromatography</i> , 2001 , 15, 133-40	1.7	36

12	Gas chromatography and high-performance liquid chromatography of natural steroids. <i>Journal of Chromatography A</i> , 2001 , 935, 141-72	4.5	149
11	Studies on neurosteroids XIV. Levels of dehydroepiandrosterone sulfate in rat brain and serum determined with newly developed enzyme-linked immunosorbent assay. <i>Steroids</i> , 2001 , 66, 865-74	2.8	19
10	Simultaneous determination of 25-hydroxyvitamin D2 and 25-hydroxyvitamin D3 in human plasma by liquid chromatography-tandem mass spectrometry employing derivatization with a Cookson-type reagent. <i>Biological and Pharmaceutical Bulletin</i> , 2001 , 24, 738-43	2.3	68
9	Investigation of C-3 Epimerization Mechanism of 24, 25-Dihydroxyvitamin D3 in Rat Using Liquid Chromatography/Mass Spectrometry.. <i>Analytical Sciences</i> , 2000 , 16, 477-482	1.7	13
8	Determination of Vitamin D3 Metabolites Using High-Performance Liquid Chromatography or Immunoaffinity Chromatography. <i>Journal of the Chinese Chemical Society</i> , 2000 , 47, 285-289	1.5	3
7	Characterization of new conjugated metabolites in bile of rats administered 24,25-dihydroxyvitamin D(3) and 25-hydroxyvitamin D(3). <i>Steroids</i> , 2000 , 65, 281-94	2.8	20
6	Usefulness of Derivatization in High-Performance Liquid Chromatography/Tandem Mass Spectrometry of Conjugated Vitamin D Metabolites.. <i>Analytical Sciences</i> , 1999 , 15, 619-623	1.7	18
5	Substrate Specificity for Enzymic Glucuronidation of 24R,25-Dihydroxyvitamin D3 and Related Compounds.. <i>Analytical Sciences</i> , 1999 , 15, 705-708	1.7	
4	New metabolic pathway of (24R)-24,25-dihydroxyvitamin D3: epimerization of the 3-hydroxy group. <i>Biological and Pharmaceutical Bulletin</i> , 1999 , 22, 767-9	2.3	20
3	Enzyme-linked immunosorbent assay for plasma 24,25-dihydroxyvitamin D3. <i>Analytica Chimica Acta</i> , 1998 , 365, 151-158	6.6	7
2	Specificity of polyclonal antibodies raised against a novel 24,25-dihydroxyvitamin D3-bovine serum albumin conjugant linked through the C-11alpha or C-3 position. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1997 , 62, 79-87	5.1	7
1	Synthesis of (24R)-11[4-carboxybutyryloxy]-24,25-dihydroxyvitamin D3: a novel haptenic derivative producing antibodies of high affinity for (24R)-24,25-dihydroxyvitamin D3. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994 , 269-275		6