

Hiroyuki Kataoka

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158
papers

6,120
citations

40
h-index

73
g-index

170
ext. papers

6,552
ext. citations

3.4
avg, IF

6.19
L-index

#	Paper	IF	Citations
158	Applications of solid-phase microextraction in food analysis. <i>Journal of Chromatography A</i> , 2000 , 880, 35-62	4.5	850
157	Automated sample preparation using in-tube solid-phase microextraction and its application -- a review. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 373, 31-45	4.4	250
156	Derivatization reactions for the determination of amines by gas chromatography and their applications in environmental analysis. <i>Journal of Chromatography A</i> , 1996 , 733, 19-34	4.5	234
155	New trends in sample preparation for clinical and pharmaceutical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2003 , 22, 232-244	14.6	181
154	Recent advances in SPME techniques in biomedical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 54, 926-50	3.5	174
153	Recent developments and applications of microextraction techniques in drug analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 339-64	4.4	170
152	Automated in-tube solid-phase microextraction coupled with liquid chromatography/electrospray ionization mass spectrometry for the determination of beta-blockers and metabolites in urine and serum samples. <i>Analytical Chemistry</i> , 1999 , 71, 4237-44	7.8	162
151	Determination of polycyclic aromatic hydrocarbons in food samples by automated on-line in-tube solid-phase microextraction coupled with high-performance liquid chromatography-fluorescence detection. <i>Journal of Chromatography A</i> , 2010 , 1217, 5555-63	4.5	156
150	Developments and applications of capillary microextraction techniques: a review. <i>Analytica Chimica Acta</i> , 2009 , 655, 8-29	6.6	147
149	Determination of aflatoxins in food samples by automated on-line in-tube solid-phase microextraction coupled with liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2009 , 1216, 4416-22	4.5	120
148	Determination of nicotine, cotinine, and related alkaloids in human urine and saliva by automated in-tube solid-phase microextraction coupled with liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009 , 49, 108-14	3.5	119
147	Fully automated analysis of estrogens in environmental waters by in-tube solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2005 , 1081, 218-24	4.5	111
146	Polypyrrole-coated capillary in-tube solid phase microextraction coupled with liquid chromatography-electrospray ionization mass spectrometry for the determination of beta-blockers in urine and serum samples. <i>Journal of Separation Science</i> , 2000 , 12, 255-266		96
145	Determination of fluoroquinolones in environmental waters by in-tube solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2006 , 562, 16-22	6.6	95
144	Recent Advances in Solid-Phase Microextraction and Related Techniques for Pharmaceutical and Biomedical Analysis. <i>Current Pharmaceutical Analysis</i> , 2005 , 1, 65-84	0.6	93
143	Automated on-line in-tube solid-phase microextraction coupled with high performance liquid chromatography for the analysis of bisphenol A, alkylphenols, and phthalate esters in foods contacted with plastics. <i>Journal of Separation Science</i> , 2002 , 25, 77-85	3.4	91
142	Gas-liquid chromatographic method for analysis of Di- and polyamines in foods. <i>Journal of Agricultural and Food Chemistry</i> , 1982 , 30, 435-9	5.7	89

141	Simple and rapid determination of the herbicides glyphosate and glufosinate in river water, soil and carrot samples by gas chromatography with flame photometric detection. <i>Journal of Chromatography A</i> , 1996 , 726, 253-258	4.5	88
140	Current developments and future trends in solid-phase microextraction techniques for pharmaceutical and biomedical analyses. <i>Analytical Sciences</i> , 2011 , 27, 893-905	1.7	84
139	Simple and rapid determination of amphetamine, methamphetamine, and their methylenedioxy derivatives in urine by automated in-tube solid-phase microextraction coupled with liquid chromatography-electrospray ionization mass spectrometry. <i>Journal of Analytical Toxicology</i> , 2000 , 24, 257-65	2.9	84
138	Methods for the determination of mutagenic heterocyclic amines and their applications in environmental analysis. <i>Journal of Chromatography A</i> , 1997 , 774, 121-42	4.5	76
137	Automated in-tube solid-phase microextraction-liquid chromatography-electrospray ionization mass spectrometry for the determination of ranitidine. <i>Biomedical Applications</i> , 1999 , 731, 353-9		69
136	Determination of cortisol in human saliva by automated in-tube solid-phase microextraction coupled with liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 44, 160-5	3.5	68
135	Determination of anabolic steroids in human urine by automated in-tube solid-phase microextraction coupled with liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 52, 727-33	3.5	65
134	Heterocyclic amines content of meat and fish cooked by Brazilian methods. <i>Journal of Food Composition and Analysis</i> , 2010 , 23, 61-69	4.1	65
133	Chromatographic analysis of lipoic acid and related compounds. <i>Biomedical Applications</i> , 1998 , 717, 247-62		64
132	Determination of patulin in fruit juice and dried fruit samples by in-tube solid-phase microextraction coupled with liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2009 , 1216, 3746-50	4.5	60
131	Determination of musty odorants, 2-methylisoborneol and geosmin, in environmental water by headspace solid-phase microextraction and gas chromatography--mass spectrometry. <i>Journal of Chromatography A</i> , 2008 , 1186, 434-7	4.5	60
130	Determination of perfluorooctanoic acid and perfluorooctane sulfonate by automated in-tube solid-phase microextraction coupled with liquid chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2010 , 658, 141-6	6.6	58
129	Recent progress in solid-phase microextraction and its pharmaceutical and biomedical applications. <i>Analytical Methods</i> , 2016 , 8, 5773-5788	3.2	57
128	Determination of amphetamine and methamphetamine in human hair by headspace solid-phase microextraction and gas chromatography with nitrogen-phosphorus detection. <i>Biomedical Applications</i> , 1998 , 707, 99-104		56
127	Determination of daidzein and genistein in soybean foods by automated on-line in-tube solid-phase microextraction coupled to high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2003 , 986, 169-77	4.5	56
126	Simple and rapid analysis of endocrine disruptors in liquid medicines and intravenous injection solutions by automated in-tube solid-phase microextraction/high performance liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 32, 469-78	3.5	55
125	Identification of mutagenic heterocyclic amines (IQ, Trp-P-1 and AalphaC) in the water of the Danube river. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000 , 466, 27-35	3	52
124	Development of automated in-tube SPME/LC/MS method for drug analysis. <i>Journal of Separation Science</i> , 2000 , 12, 493-500		48

123	Estimation of dietary HCA intakes in a large-scale population-based prospective study in Japan. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2002 , 506-507, 233-41	3.3	46
122	Simultaneous determination of testosterone, cortisol, and dehydroepiandrosterone in saliva by stable isotope dilution on-line in-tube solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 331-40	4.4	44
121	Were volatile organic compounds the inducing factors for subjective symptoms of employees working in newly constructed hospitals?. <i>Environmental Toxicology</i> , 2004 , 19, 280-90	4.2	44
120	Analysis of lipoic acid in biological samples by gas chromatography with flame photometric detection. <i>Biomedical Applications</i> , 1993 , 615, 197-202		41
119	Analysis of heterocyclic amines as their N-dimethylaminomethylene derivatives by gas chromatography with nitrogen-phosphorus selective detection. <i>Journal of Chromatography A</i> , 1997 , 767, 187-194	4.5	40
118	Biomonitoring method for the determination of polycyclic aromatic hydrocarbons in hair by online in-tube solid-phase microextraction coupled with high performance liquid chromatography and fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 1000, 187-91	3.2	39
117	Recent advances in column switching sample preparation in bioanalysis. <i>Bioanalysis</i> , 2012 , 4, 809-32	2.1	39
116	Analysis of contaminant polycyclic aromatic hydrocarbons in tea products and crude drugs. <i>Analytical Methods</i> , 2011 , 3, 299-305	3.2	39
115	Determination of ochratoxins in nuts and grain samples by in-tube solid-phase microextraction coupled with liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2012 , 1220, 1-6	4.5	38
114	Simultaneous determination of urinary hippuric acid, o-, m- and p-methylhippuric acids, mandelic acid and phenylglyoxylic acid for biomonitoring of volatile organic compounds by gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2006 , 566, 167-171	6.6	35
113	Noninvasive analysis of volatile biomarkers in human emanations for health and early disease diagnosis. <i>Bioanalysis</i> , 2013 , 5, 1443-59	2.1	34
112	Determination of total plasma homocysteine and related amino thiols by gas chromatography with flame photometric detection. <i>Biomedical Applications</i> , 1995 , 664, 421-5		34
111	Determination of cysteamine and cystamine by gas chromatography with flame photometric detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1993 , 11, 963-9	3.5	31
110	Analysis of nicotine and cotinine in hair by on-line in-tube solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry as biomarkers of exposure to tobacco smoke. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 156, 272-277	3.5	30
109	Determination of total cysteamine in urine and plasma samples by gas chromatography with flame photometric detection. <i>Biomedical Applications</i> , 1994 , 657, 9-13		30
108	Analysis of abietic acid and dehydroabietic acid in food samples by in-tube solid-phase microextraction coupled with liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2007 , 1146, 61-6	4.5	29
107	Functional evaluation of cytochrome P450 2D6 with Gly42Arg substitution expressed in <i>Saccharomyces cerevisiae</i> . <i>Pharmacogenetics and Genomics</i> , 2001 , 11, 709-18		29
106	Determination of the oxidative stress biomarker urinary 8-hydroxy-2'-deoxyguanosine by automated on-line in-tube solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1018, 140-6	3.2	27

105	Analysis of heterocyclic amines in hair by on-line in-tube solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2013 , 786, 54-60	6.6	26
104	Determination of selenocyst(e)amine, selenocyst(e)ine and selenomethionine by gas chromatography with flame photometric detection. <i>Journal of Chromatography A</i> , 1994 , 659, 481-485	4.5	26
103	Occurrence of taurine in plants.. <i>Agricultural and Biological Chemistry</i> , 1986 , 50, 1887-1888		26
102	Unmetabolized VOCs in urine as biomarkers of low level exposure in indoor environments. <i>Journal of Occupational Health</i> , 2007 , 49, 104-10	2.3	25
101	Species difference in enantioselectivity for the oxidation of propranolol by cytochrome P450 2D enzymes. <i>Chemico-Biological Interactions</i> , 2000 , 127, 73-90	5	25
100	Determination of amino acids in human serum by capillary gas chromatography. <i>Biomedical Applications</i> , 1996 , 681, 375-80		25
99	Analysis of urinary 8-isoprostane as an oxidative stress biomarker by stable isotope dilution using automated online in-tube solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 112, 36-42	3.5	24
98	Inactivation of rat cytochrome P450 2D enzyme by a further metabolite of 4-hydroxypropranolol, the major and active metabolite of propranolol. <i>Biological and Pharmaceutical Bulletin</i> , 2001 , 24, 988-94	2.3	24
97	Complementary DNA cloning and characterization of cytochrome P450 2D29 from Japanese monkey liver. <i>Biochemical Pharmacology</i> , 2002 , 64, 1101-10	6	23
96	Determination of aromatic amines as their N-dimethylthiophosphoryl derivatives by gas chromatography with flame photometric detection. <i>Journal of Chromatography A</i> , 1996 , 738, 83-90	4.5	23
95	Gas chromatographic method for the determination of urinary acetylpolyamines. <i>Biomedical Applications</i> , 1982 , 233, 29-38		23
94	SPME techniques for biomedical analysis. <i>Bioanalysis</i> , 2015 , 7, 2135-44	2.1	22
93	Selective determination of volatile N-nitrosamines by derivatization with diethyl chlorothiophosphate and gas chromatography with flame photometric detection. <i>Journal of Chromatography A</i> , 1996 , 723, 93-9	4.5	22
92	Analysis of phthalate contamination in infusion solutions by automated on-line in-tube solid-phase microextraction coupled with high-performance liquid chromatography. <i>Journal of Analytical Toxicology</i> , 2004 , 28, 575-80	2.9	21
91	Gas chromatographic analysis of sulphonic acids as their sulphonamide derivatives. <i>Journal of Chromatography A</i> , 1989 , 473, 276-280	4.5	20
90	Occurrence of Taurine in Plants. <i>Agricultural and Biological Chemistry</i> , 1986 , 50, 1887-1888		20
89	In-tube solid-phase microextraction: Current trends and future perspectives. <i>Journal of Chromatography A</i> , 2021 , 1636, 461787	4.5	20
88	New Trends in Sample Preparation for Analysis of Plant-Derived Medicines. <i>Current Organic Chemistry</i> , 2010 , 14, 1698-1713	1.7	19

87	In vitro and in vivo formation of aminophenylnorharman from norharman and aniline. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2002 , 506-507, 49-54	3.3	19
86	Stereoselective metabolism of bufuralol racemate and enantiomers in human liver microsomes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 303, 172-8	4.7	19
85	Determination of glutathione and related aminothiols by gas chromatography with flame photometric detection. <i>Biomedical Chromatography</i> , 1995 , 9, 85-9	1.7	19
84	Development of exposure assessment method based on the analysis of urinary heterocyclic amines as biomarkers by on-line in-tube solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 2171-8	4.4	18
83	Formation of heterocyclic amine-amino acid adducts by heating in a model system. <i>Food Chemistry</i> , 2012 , 130, 725-729	8.5	18
82	Characterization of inhibitory effects of perfluorooctane sulfonate on human hepatic cytochrome P450 isoenzymes: focusing on CYP2A6. <i>Chemico-Biological Interactions</i> , 2011 , 194, 120-6	5	18
81	Analysis of lipoic acid by gas chromatography with flame photometric detection. <i>Methods in Enzymology</i> , 1997 , 279, 166-76	1.7	18
80	A sensitive method to determine melatonin in saliva by automated online in-tube solid-phase microextraction coupled with stable isotope-dilution liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2017 , 9, 3134-3140	3.2	17
79	Simultaneous analysis of multiple urinary biomarkers for the evaluation of oxidative stress by automated online in-tube solid-phase microextraction coupled with negative/positive ion-switching mode liquid chromatography-tandem mass spectrometry. <i>Journal of Separation Science</i> , 2018 , 41, 2743-2749	3.4	17
78	Determination of sulphur amino acids by gas chromatography with flame photometric detection. <i>Biomedical Chromatography</i> , 1994 , 8, 119-24	1.7	17
77	Determination of the herbicide glyphosate and its metabolite(aminomethyl)phosphonic acid by gas chromatography with flame photometric detection.. <i>Agricultural and Biological Chemistry</i> , 1991 , 55, 195-198		17
76	Quantitative gas-liquid chromatography of taurine. <i>Biomedical Applications</i> , 1984 , 306, 61-68		17
75	Electron-capture gas chromatography of taurine as its N-pentafluorobenzoyl di-n-butylamide derivative. <i>Biomedical Applications</i> , 1985 , 339, 370-4		17
74	Effect of aflatoxin B1 on UDP-glucuronosyltransferase mRNA expression in HepG2 cells. <i>Chemosphere</i> , 2012 , 89, 526-9	8.4	16
73	Determination of secondary amines in various foods by gas chromatography with flame photometric detection. <i>Journal of Chromatography A</i> , 1995 , 695, 142-148	4.5	16
72	Capillary gas chromatographic analysis of protein amino acids as their N(O,S)-isobutoxycarbonyl methyl ester derivatives. <i>Biomedical Chromatography</i> , 1995 , 9, 205-10	1.7	16
71	Determination of low molecular weight aliphatic primary amines in urine as their benzenesulphonyl derivatives by gas chromatography with flame photometric detection. <i>Biomedical Chromatography</i> , 1992 , 6, 251-4	1.7	16
70	Gas chromatographic determination of aldehydes in combustion smoke samples. <i>Analytica Chimica Acta</i> , 1998 , 358, 269-275	6.6	15

69	Detection of aminophenylnorharman, a possible endogenous mutagenic and carcinogenic compound, in human urine samples. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2007 , 16, 151-6	4	15
68	Determination of hippuric acid and o-, m- and p-methylhippuric acids in urine by capillary gas chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1991 , 9, 699-704	3.5	15
67	Selective and sensitive determination of urinary total proline and hydroxyproline by gas chromatography with flame photometric detection. <i>Clinica Chimica Acta</i> , 1993 , 214, 13-20	6.2	15
66	Gas chromatography of phenolic amines, 3-methoxycatecholamines, indoleamines and related amines as their N,O-ethyloxycarbonyl derivatives. <i>Journal of Chromatography A</i> , 1980 , 194, 399-403	4.5	15
65	A sensitive method for the determination of tobacco-specific nitrosamines in mainstream and sidestream smokes of combustion cigarettes and heated tobacco products by online in-tube solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2019 , 1075, 98-105	6.6	14
64	Determination of ammonia as its benzenesulphonyldimethylaminomethylene derivative in environmental water samples by gas chromatography with flame photometric detection. <i>Journal of Chromatography A</i> , 1993 , 633, 311-314	4.5	14
63	Automated analysis of salivary stress-related steroid hormones by online in-tube solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2012 , 4, 3625	3.2	13
62	Formation of protein adducts of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine in cooked foods. <i>Molecular Nutrition and Food Research</i> , 2010 , 54, 1039-48	5.9	13
61	Automated Analysis of Non-steroidal Anti-inflammatory Drugs in Environmental Water by On-line In-tube Solid-phase Microextraction Coupled with Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Environmental Chemistry</i> , 2008 , 18, 511-520	0.3	13
60	Determination of isophorone in food samples by solid-phase microextraction coupled with gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2007 , 1155, 100-4	4.5	13
59	Gas chromatographic analysis of 3-amino-1-hydroxypropylidene-1,1-bisphosphonate and related bisphosphonate as their N-isobutoxycarbonyl methyl ester derivatives. <i>Journal of Chromatography A</i> , 1996 , 724, 279-284	4.5	13
58	Proteome analysis of new antimalarial endoperoxide against Plasmodium falciparum. <i>Parasitology Research</i> , 2007 , 100, 1119-24	2.4	12
57	Selective determination of secondary amines as their N-diethylthiophosphoryl derivatives by gas chromatography with flame photometric detection. <i>Biomedical Chromatography</i> , 1993 , 7, 129-33	1.7	12
56	Analysis of aromatic amines as N-propoxycarbonyl derivatives by gas chromatography with nitrogen-phosphorus selective detection. <i>Journal of Separation Science</i> , 2007 , 30, 90-7	3.4	11
55	Selective and sensitive determination of pamidronate in human plasma and urine by gas chromatography with flame photometric detection. <i>Biomedical Chromatography</i> , 1995 , 9, 243-5	1.7	11
54	Gas chromatographic analysis of aminoalkylphosphonic acids and aminoalkyl phosphates. <i>Journal of Chromatography A</i> , 1988 , 436, 67-72	4.5	11
53	Determination of amino acids in biological fluids by capillary gas chromatography with nitrogen-phosphorus selective detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1997 , 15, 1271-9	3.5	10
52	Gas Chromatography of Amines as Various Derivatives. <i>Journal of Chromatography Library</i> , 2005 , 70, 364-404		10

51	Determination of aliphatic aldehydes as their thiazolidine derivatives in foods by gas chromatography with flame photometric detection. <i>Journal of Chromatography A</i> , 1995 , 709, 303-11	4.5	10
50	Automated Analysis of Oxytocin by On-Line in-Tube Solid-Phase Microextraction Coupled with Liquid Chromatography-Tandem Mass Spectrometry. <i>Chromatography (Basel)</i> , 2015 , 2, 382-391		9
49	Determination of glutathione and related aminothiols in mouse tissues by gas chromatography with flame photometric detection. <i>Bioscience, Biotechnology and Biochemistry</i> , 1996 , 60, 729-31	2.1	9
48	Distribution and contents of free O-phosphoamino acids in animal tissues. <i>Journal of Biochemistry</i> , 1991 , 109, 577-80	3.1	9
47	Rapid and simultaneous analysis of protein and non-protein amino acids as N(O,S)-isobutoxycarbonyl methyl ester derivatives by capillary gas chromatography. <i>Journal of Chromatography A</i> , 1997 , 758, 167-173	4.5	8
46	High-performance liquid chromatographic analysis of the sulfation of 4-hydroxypropranolol enantiomers by monkey liver cytosol. <i>Chirality</i> , 2001 , 13, 140-7	2.1	8
45	Analysis of O-Phosphoamino Acids in Proteins by Gas Chromatography with Flame Photometric Detection.. <i>Agricultural and Biological Chemistry</i> , 1991 , 55, 1587-1592		8
44	Analysis of free and bound O-phosphoamino acids in urine by gas chromatography with flame photometric detection. <i>Biomedical Chromatography</i> , 1993 , 7, 184-8	1.7	8
43	Automated analysis of oseltamivir and oseltamivir carboxylate in environmental waters by online in-tube solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2012 , 4, 1513-1518	3.2	7
42	Indoor Air Monitoring of Volatile Organic Compounds and Evaluation of Their Emission from Various Building Materials and Common Products by Gas Chromatography-Mass Spectrometry 2012 ,		7
41	Determination of primary amines by benzenesulfonylation/GC with flame photometric detection.. <i>Bunseki Kagaku</i> , 1991 , 40, 119-123	0.2	7
40	Chapter 23 Sampling and sample preparation for clinical and pharmaceutical analysis. <i>Comprehensive Analytical Chemistry</i> , 2002 , 37, 779-836	1.9	6
39	A New Breylium-Selective Electrode for Monitoring the Drug in Blood Serum. <i>Analytical Letters</i> , 1996 , 29, 1281-1292	2.2	6
38	O-phosphoamino acid analysis of phosphorylated proteins by gas chromatography with flame photometric detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1992 , 10, 365-9	3.5	6
37	Selective determination of secondary amino acids as their N-dimethylthiophosphoryl methyl ester derivatives by gas chromatography with flame photometric detection. <i>Journal of Chromatography A</i> , 1992 , 626, 239-243	4.5	6
36	Sample preparation for liquid chromatography 2017 , 1-37		5
35	Determination of 2-aminoethylphosphonic acid and its N-methyl derivative in animal tissues by gas chromatography with flame photometric detection.. <i>Agricultural and Biological Chemistry</i> , 1989 , 53, 2791-2796 ⁵		5
34	Selective and sensitive determination of protein and non-protein amino acids by capillary gas chromatography with nitrogen-phosphorus selective detection. <i>Biomedical Chromatography</i> , 1997 , 11, 154-9	1.7	4

33	Capillary gas chromatographic analysis of protein and nonprotein amino acids in biological samples. <i>Methods in Molecular Biology</i> , 2000 , 159, 101-22	1.4	4
32	Determination of primary amines as their N-benzenesulfonyl-N-trifluoroacetyl derivatives by GC with electron capture detection.. <i>Bunseki Kagaku</i> , 1994 , 43, 1113-1118	0.2	4
31	Determination of The Herbicide Glyphosate and Its Metabolite (Aminomethyl)phosphonic Acid by Gas Chromatography with Flame Photometric Detection. <i>Agricultural and Biological Chemistry</i> , 1991 , 55, 195-198		4
30	Analysis of O-phosphoamino acids in the protein fractions of mouse tissue by gas chromatography. <i>Bioscience, Biotechnology and Biochemistry</i> , 1992 , 56, 1300-1	2.1	4
29	Determination of free and total proline and hydroxyproline in plasma and tissue samples by gas chromatography with flame photometric detection. <i>Biomedical Chromatography</i> , 1993 , 7, 296-300	1.7	4
28	Determination of phosphoethanolamine in animal tissues by gas chromatography with flame photometric detection. <i>Biomedical Applications</i> , 1989 , 494, 283-8		4
27	Gas chromatographic determination of cysteic acid. <i>Journal of Chromatography A</i> , 1986 , 354, 482-485	4.5	4
26	Determination of taurine in animal tissues by gas chromatography.. <i>Bunseki Kagaku</i> , 1985 , 34, 128-132	0.2	4
25	Determination of urinary beta-phenylethylamine as its N-benzenesulphonamide derivative by gas chromatography with flame photometric detection. <i>Biomedical Applications</i> , 1992 , 578, 120-3		3
24	Identification of O-phosphoamino acids in urine hydrolysate by gas chromatography-mass spectrometry. <i>Biomedical Applications</i> , 1993 , 615, 136-41		3
23	Gas chromatographic determination of hypotaurine. <i>Biomedical Applications</i> , 1986 , 382, 242-6		3
22	Pharmaceutical Analysis Sample Preparation 2018 , 231-231		2
21	Sampling and Sample Preparation for Clinical and Pharmaceutical Analysis 2011 , 285-311		2
20	Determination of sulfur amino acids, glutathione, and related aminothiols in biological samples by gas chromatography with flame photometric detection. <i>Methods in Molecular Biology</i> , 2000 , 159, 207-25 ^{1.4}		2
19	Occurrence of free O-phosphoserine and O-phosphothreonine in porcine liver.. <i>Agricultural and Biological Chemistry</i> , 1990 , 54, 1731-1733		2
18	Gas chromatographic assay for cysteine sulphinate decarboxylase activity in animal tissues. <i>Biomedical Applications</i> , 1987 , 420, 135-40		2
17	Distribution of cysteamine dioxygenase in animal tissues.. <i>Agricultural and Biological Chemistry</i> , 1988 , 52, 1611-1613		2
16	Determination of cysteic acid in animal tissues by gas chromatography.. <i>Bunseki Kagaku</i> , 1986 , 35, 389-393		2

15	Analysis of O-phosphoamino acids in biological samples by gas chromatography with flame photometric detection. <i>Methods in Molecular Biology</i> , 2000 , 159, 183-206	1.4	1
14	Chapter 1 Gas chromatographic analysis of environmental amines with selective detectors. <i>Handbook of Analytical Separations</i> , 2001 , 3, 1-37	0.7	1
13	Analysis of O-Phosphoamino Acids in Proteins by Gas Chromatography with Flame Photometric Detection. <i>Agricultural and Biological Chemistry</i> , 1991 , 55, 1587-1592		1
12	Determination of 2-Aminoethylphosphonic Acid and Its Y-iM ethyl Derivative in Animal Tissues by Gas Chromatography with Flame Photometric Detection. <i>Agricultural and Biological Chemistry</i> , 1989 , 53, 2791-2796		1
11	Determination of O-phosphoethanolamine in urine and plasma by GC with flame photometric detection.. <i>Bunseki Kagaku</i> , 1989 , 38, 618-621	0.2	1
10	Gas chromatographic determination of orotic acid by extractive alkylation.. <i>Bunseki Kagaku</i> , 1989 , 38, 327-330	0.2	1
9	Determination of taurine in biological sample by GC with flame photometric detection.. <i>Bunseki Kagaku</i> , 1989 , 38, 401-403	0.2	1
8	Determination of linear-alkylbenzenesulfonate by GC with flame photometric detection.. <i>Bunseki Kagaku</i> , 1989 , 38, 312-315	0.2	1
7	Determination of cysteine sulfinic acid in animal tissues by gas chromatography.. <i>Bunseki Kagaku</i> , 1986 , 35, 508-512	0.2	1
6	Online In-Tube Solid-Phase Microextraction Coupled with Liquid Chromatography Tandem Mass Spectrometry for Automated Analysis of Four Sulfated Steroid Metabolites in Saliva Samples. <i>Molecules</i> , 2022 , 27, 3225	4.8	1
5	Spatial correlativity of atmospheric particulate components simultaneously collected in Japan. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 85	3.1	
4	Analysis of Herbicides in Water by On-Line In-Tube Solid-Phase Microextraction Coupled With Liquid Chromatography-Mass Spectrometry 2006 , 365-382		
3	Automated Headspace Solid-Phase Microextraction and Gas Chromatography-Mass Spectrometry for Screening and Determination of Multiclass Pesticides in Water 2006 , 343-364		
2	O-Phosphoethanolamine Content in Mouse Tissues during Development. <i>Agricultural and Biological Chemistry</i> , 1991 , 55, 289-290		
1	Determination of isethionic acid by gas chromatography with flame photometric detection. <i>Biomedical Applications</i> , 1990 , 528, 172-7		