

# Strategies for the Assessment of Matrix Effect in Quantification Based on HPLC-MS/MS

Analytical Chemistry

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Citation Report

#	ARTICLE	IF	CITATIONS
5	Monolithic Silica-Based Capillary Reversed-Phase Liquid Chromatography/Electrospray Mass Spectrometry for Plant Metabolomics. <i>Analytical Chemistry</i> , 2003, 75, 6737-6740.	3.2	251
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1178	Trace analysis of fluoxetine and its metabolite norfluoxetine. Part II: Enantioselective quantification and studies of matrix effects in raw and treated wastewater by solid phase extraction and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1227, 105-114.	1.8	36
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1211	Simultaneous quantitation of urinary cotinine and acrylonitrile-derived mercapturic acids with ultraperformance liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2113-2120.	1.9	19
1212	Quantification of femtomolar concentrations of the CYP3A substrate midazolam and its main metabolite 1-hydroxymidazolam in human plasma using ultra performance liquid chromatography coupled to tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2439-2450.	1.9	59
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1216	<i>In vitro</i> metabolism studies on mephedrone and analysis of forensic cases. <i>Drug Testing and Analysis</i> , 2013, 5, 430-438.	1.6	98
1217	Analysis of ethyl glucuronide in hair samples by liquid chromatography-electrospray ionization-tandem mass spectrometry (LC-ESI-MS/MS). <i>Journal of Applied Toxicology</i> , 2013, 33, 638-643.	1.4	23
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1237	Simultaneous and sensitive LC-MS/MS determination of tetrahydrocannabinol and metabolites in human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1399-1406.	1.9	20

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1240	A rapid determination of acidic pharmaceuticals in environmental waters by molecularly imprinted solid-phase extraction coupled to tandem mass spectrometry without chromatography. <i>Talanta</i> , 2013, 110, 196-201.	2.9	38
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1249	Silica-based ionic liquid coating for 96-blade system for extraction of aminoacids from complex matrixes. <i>Analytica Chimica Acta</i> , 2013, 803, 66-74.	2.6	23
1250	An HPLC-ESI-MS method for analysis of loureirin A and B in dragon's blood and application in pharmacokinetics and tissue distribution in rats. <i>FÃ–toterapÃ–</i> , 2013, 86, 149-158.	1.1	10
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1255	Rapid determination of sumatriptan in human plasma by ultra performance liquid chromatographyâ€“tandem mass spectrometry and its application to clinical pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 919-920, 38-42.	1.2	15

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1257	Sensitive Analysis of Wilforidine in Human Plasma by LC-APCI-MS/MS. <i>Chromatographia</i> , 2013, 76, 985-991.	0.7	0
1258	Determination of flomoxef in human plasma by liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2013, 27, 1609-1614.	0.8	0
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1272	A rapid and sensitive liquid chromatography-tandem mass spectrometric method for determination of actinoside E in rat plasma and application to a pharmacokinetic study. <i>Chinese Journal of Natural Medicines</i> , 2013, 11, 427-432.	0.7	0
1273	Direct mass spectrometry analysis of untreated samples of ultralow amounts using extraction nano-electrospray. <i>Analytical Methods</i> , 2013, 5, 6686.	1.3	34
1274	Determination of ethyl glucuronide levels in hair for the assessment of alcohol abstinence. <i>Forensic Science International</i> , 2013, 232, 229-236.	1.3	38

#	ARTICLE	IF	CITATIONS
1275	Performance assessment of microflow LC combined with high-resolution MS in bioanalysis. <i>Bioanalysis</i> , 2013, 5, 1249-1267.	0.6	22
1276	Stereoselective determination of ginsenosides <i>R</i> -g <sub>3</sub> and <i>R</i> -h <sub>2</sub> epimers in rat plasma by LC-MS/MS: Application to a pharmacokinetic study. <i>Journal of Separation Science</i> , 2013, 36, 1904-1912.	1.3	22
1277	Determination of methylphenidate in plasma and saliva by liquid chromatography/tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 923-924, 22-28.	1.2	25
1278	A generic screening methodology for horse doping control by LC-TOF-MS, GC-HRMS and GC-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 941, 69-80.	1.2	16
1279	Development and application of salting-out assisted liquid/liquid extraction for multi-mycotoxin biomarkers analysis in pig urine with high performance liquid chromatography/tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1292, 111-120.	1.8	101
1280	Detection and Occurrence of Chlorinated Byproducts of Bisphenol A, Nonylphenol, and Estrogens in Drinking Water of China: Comparison to the Parent Compounds. <i>Environmental Science &amp; Technology</i> , 2013, 47, 10841-10850.	4.6	178
1281	Preclinical pharmacokinetics, tissue distribution and excretion studies of a potential analgesic corydaline using an ultra performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 942-943, 70-76.	1.2	13
1282	Method for simultaneous analysis of nine second-line anti-tuberculosis drugs using UPLC-MS/MS. <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 2066-2073.	1.3	39
1283	Isotope-Dilution Liquid Chromatography-Tandem Mass Spectrometry Candidate Reference Method for Total Testosterone in Human Serum. <i>Clinical Chemistry</i> , 2013, 59, 372-380.	1.5	82
1284	Deposition of JWH-018, JWH-073 and their metabolites in hair and effect of hair pigmentation. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9769-9778.	1.9	41
1285	Toxicological Findings of Synthetic Cannabinoids in Recreational Users. <i>Journal of Analytical Toxicology</i> , 2013, 37, 534-541.	1.7	116
1286	ANALYSIS OF SULFONAMIDE RESIDUES IN REAL HONEY SAMPLES USING LIQUID CHROMATOGRAPHY WITH FLUORESCENCE AND TANDEM MASS SPECTROMETRY DETECTION. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 1105-1125.	0.5	18
1287	Direct determination of diazepam and its glucuronide metabolites in human whole blood by 1/4 Elution solid-phase extraction and liquid chromatography-tandem mass spectrometry. <i>Forensic Science International</i> , 2013, 233, 304-311.	1.3	20
1288	Determination of Raloxifene in Urine by Liquid Chromatography-Tandem Mass Spectrometry for Doping. <i>Journal of Analytical Toxicology</i> , 2013, 37, 345-350.	1.7	7
1289	Determination of ecgonine and seven other cocaine metabolites in human urine and whole blood by ultra-high-pressure liquid chromatography-quadrupole time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9805-9816.	1.9	11
1290	A new approach for the estimation of expanded uncertainty of results of an analytical method developed for determining antibiotics in seawater using solid-phase extraction disks and liquid chromatography coupled with tandem mass spectrometry technique. <i>Journal of Chromatography A</i> , 2013, 1304, 138-146.	1.8	109
1291	Pharmacokinetics, tissue distribution and excretion study of dictamnine, a major bioactive component from the root bark of <i>Dictamnus dasycarpus</i> Turcz. (Rutaceae). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 942-943, 1-8.	1.2	29
1292	Validation of an electrospray ionisation LC-MS/MS method for quantitative analysis of telaprevir and its <i>R</i> -diastereomer. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 932, 100-110.	1.2	8



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1293	Determination of antazoline hydrochloride in Beagle dog plasma by HPLC-UV and its application to pharmacokinetics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 929, 97-101.	1.2	5
1294	Development of a liquid chromatography tandem mass spectrometry method for iothalamate measurement to assess renal function for potential kidney donation. <i>Clinica Chimica Acta</i> , 2013, 420, 104-108.	0.5	4
1295	Application of mass spectrometry to hair analysis for forensic toxicological investigations. <i>Mass Spectrometry Reviews</i> , 2013, 32, 312-332.	2.8	60
1296	Fully validated method for rapid and simultaneous measurement of six antiepileptic drugs in serum and plasma using ultra-performance liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Talanta</i> , 2013, 110, 71-80.	2.9	53
1297	Development and validation of a sensitive LC-MS/MS assay for the simultaneous quantification of allitinib and its two metabolites in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 86, 49-55.	1.4	6
1298	Mass spectrometric studies on the <i>in vitro</i> generated metabolites of SIRT1 activating drugs for doping control purposes. <i>Journal of Mass Spectrometry</i> , 2013, 48, 830-843.	0.7	8
1299	An LC-MS assay for the screening of cardiovascular medications in human samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 937, 44-53.	1.2	35
1300	Halogenated phenolic compound determination in plasma and serum by solid phase extraction, dansylation derivatization and liquid chromatography-positive electrospray ionization-tandem quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1320, 111-117.	1.8	34
1301	Development and validation of an UHPLC-LTQ-Orbitrap MS method for non-anthocyanin flavonoids quantification in <i>Euterpe oleracea</i> juice. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9235-9249.	1.9	48
1302	Domoic acid at trace levels in lagoon waters: assessment of a method using internal standard quantification. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9113-9123.	1.9	17
1303	Confirmation of diosmetin 3-O-glucuronide as major metabolite of diosmin in humans, using micro-liquid-chromatography-mass spectrometry and ion mobility mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8295-8310.	1.9	43
1304	Investigation of Matrix Effects on the Determination of Carbadox and Olaquinox in Feed by LC-MS/MS. <i>Chromatographia</i> , 2013, 76, 651-662.	0.7	6
1305	The rapid identification and quantification of iso- $\alpha$ -acids and reduced iso- $\alpha$ -acids in blood using UHPLC-MS/MS: validation of a novel marker for beer consumption. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9755-9767.	1.9	15
1306	Simultaneous quantification of caffeine and its three primary metabolites in rat plasma by liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2013, 141, 2735-2742.	4.2	39
1307	Liquid chromatography-tandem mass spectrometry determination of baclofen in various biological samples and application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 938, 43-50.	1.2	15
1308	A rapid method for the determination of artemisinin and its biosynthetic precursors in <i>Artemisia annua</i> L. crude extracts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 84, 269-277.	1.4	43
1309	Occurrence and distribution of pharmaceutically active and endocrine disrupting compounds in Singapore's marine environment: Influence of hydrodynamics and physical-chemical properties. <i>Environmental Pollution</i> , 2013, 182, 1-8.	3.7	178
1310	Body fluid and tissue analysis using filter paper sampling support prior to LC-MS/MS: Application to fatal overdose with colchicine. <i>Drug Testing and Analysis</i> , 2013, 5, 763-772.	1.6	22

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1311	Quantification of Lipid Mediator Metabolites in Human Urine from Asthma Patients by Electrospray Ionization Mass Spectrometry: Controlling Matrix Effects. <i>Analytical Chemistry</i> , 2013, 85, 7866-7874.	3.2	44
1312	A simplified procedure for the analysis of formoterol in human urine by liquid chromatography-electrospray tandem mass spectrometry: Application to the characterization of the metabolic profile and stability of formoterol in urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 931, 75-83.	1.2	15
1314	Sensitive assay for measurement of volatile borneol, isoborneol, and the metabolite camphor in rat pharmacokinetic study of <i>Borneolum</i> (Bingpian) and <i>Borneolum syntheticum</i> (synthetic Bingpian). <i>Acta Pharmacologica Sinica</i> , 2013, 34, 1337-1348.	2.8	47
1315	Challenges of atypical matrix effects in tissue. <i>Bioanalysis</i> , 2013, 5, 2333-2335.	0.6	4
1316	Variability of the IS revealed ionization enhancement by bile acid in mouse plasma. <i>Bioanalysis</i> , 2013, 5, 2371-2378.	0.6	4
1317	Aging of biological matrices and its effect on bioanalytical method performance. <i>Bioanalysis</i> , 2013, 5, 2393-2407.	0.6	8
1318	HILIC UHPLC-MS/MS for fast and sensitive bioanalysis: accounting for matrix effects in method development. <i>Bioanalysis</i> , 2013, 5, 2345-2357.	0.6	19
1319	Determination of Aflatoxin in Infant Cereals from Hangzhou, China. <i>Analytical Letters</i> , 2013, 46, 2319-2331.	1.0	4
1320	A sensitive and selective LC-MS/MS analysis coupled with an online sample enrichment technique for H295R steroidogenesis assay and its application in the investigation of the effect of sildenafil on steroidogenesis. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9489-9496.	1.9	7
1321	Determination of triazine residues in herbal plants using molecularly imprinted polymer extraction followed by UPLC-MS/MS. <i>Analytical Methods</i> , 2013, 5, 3582.	1.3	8
1322	Determination of pseudo-ginsenoside GQ in human plasma by high performance liquid chromatography-tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2013, 27, 1701-1707.	0.8	2
1323	Matrix effects in the simultaneous determination of fenicol antibiotics in swine muscle and casings by ultra performance liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2013, 5, 5662.	1.3	9
1324	Simple enrichment and analysis of plasma lysophosphatidic acids. <i>Analyst, The</i> , 2013, 138, 6852.	1.7	14
1325	Understanding collision-induced dissociation of dofetilide: a case study in the application of density functional theory as an aid to mass spectral interpretation. <i>Analyst, The</i> , 2013, 138, 6869.	1.7	12
1326	Urine adulteration: can bleach be used to mask MDMA use?. <i>Analytical Methods</i> , 2013, 5, 3948-3955.	1.3	12
1327	Multiresidue analysis of nine $\beta$ -agonists in animal muscles by LC-MS/MS based on a new polymer cartridge for sample cleanup. <i>Journal of Separation Science</i> , 2013, 36, 1843-1852.	1.3	25
1328	Simultaneous determination by LC-MS/MS of 25-methoxydammarane-3 $\beta$ ,12 $\beta$ ,20-triol epimers and active metabolites in rat plasma after intravenous administration. <i>Xenobiotica</i> , 2013, 43, 868-874.	0.5	12
1329	Equipment and metabolite identification (ID) strategies for mass-based metabolomic analysis. , 2013, , 3-28.		1

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1331	Analysis of fluoxetine and norfluoxetine in human plasma by liquid-phase microextraction and injection port derivatization GC-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 73, 53-58.	1.4	45
1332	Development and validation of liquid chromatography-tandem mass spectrometry method for simultaneous determination of four tertiary alkaloids in rat plasma and its application to a pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 72, 80-88.	1.4	11
1333	Determination of esculentoside A in dog plasma by LC-MS/MS method: Application to pre-clinical pharmacokinetics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 72, 261-266.	1.4	11
1334	Application of a liquid chromatography-tandem mass spectrometry method to the pharmacokinetics, tissue distribution and excretion studies of <i>Dactylicapnos scandens</i> in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 74, 92-100.	1.4	24
1335	LC-MS/MS bioanalytical method development for AMG 900: Resolution of an isobaric interference in rodent in vivo studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 74, 171-177.	1.4	3
1336	Stability of heroin, 6-monoacetylmorphine, and morphine in biological samples and validation of an LC-MS assay for delayed analyses of pharmacokinetic samples in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 74, 291-297.	1.4	32
1337	Development of an LC-MS/MS method for the simultaneous determination of 25 benzodiazepines and zolpidem in oral fluid and its application to authentic samples from regular drug users. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 74, 213-222.	1.4	42
1338	Development and validation of a serum total testosterone liquid chromatography-tandem mass spectrometry (LC-MS/MS) assay calibrated to NIST SRM 971. <i>Clinica Chimica Acta</i> , 2013, 415, 109-117.	0.5	42
1339	Determination of phenylephrine in human plasma using ultra-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 915-916, 28-32.	1.2	22
1340	Fast screening of 88 pharmaceutical drugs and metabolites in whole blood by ultrahigh-performance liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 863-879.	1.9	25
1341	Development and validation of two LC-MS/MS methods for the detection and quantification of amphetamines, designer amphetamines, benzoylecgonine, benzodiazepines, opiates, and opioids in urine using turbulent flow chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 247-258.	1.9	34
1342	Implementation of liquid chromatography/mass spectrometry into the clinical laboratory. <i>Clinica Chimica Acta</i> , 2013, 420, 4-10.	0.5	102
1343	Sensitive detection of 3 $\beta$ -hydroxy-stanozolol glucuronide by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1292, 195-200.	1.8	39
1344	The use of ultra-high pressure liquid chromatography with tandem mass spectrometric detection in the analysis of agrochemical residues and mycotoxins in food - Challenges and applications. <i>Journal of Chromatography A</i> , 2013, 1292, 83-95.	1.8	53
1345	Development and Validation of the First Liquid Chromatography-Tandem Mass Spectrometry Assay for Simultaneous Quantification of Multiple Antiretrovirals in Meconium. <i>Analytical Chemistry</i> , 2013, 85, 1896-1904.	3.2	17
1346	A fast liquid chromatography-mass spectrometry (LC-MS) method for quantification of major polar metabolites in plants. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 912, 8-15.	1.2	37
1347	Determination of 32 cathinone derivatives and other designer drugs in serum by comprehensive LC-QQQ-MS/MS analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1383-1397.	1.9	79

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1349	Symptoms, toxicities, and analytical results for a patient after smoking herbs containing the novel synthetic cannabinoid MAM-2201. Forensic Toxicology, 2013, 31, 164-171.	1.4	39
1350	Analysis of seven folates in food by LCâ€¦MS/MS to improve accuracy of total folate data. European Food Research and Technology, 2013, 236, 17-28.	1.6	53
1351	Degradation of zopiclone during storage of spiked and authentic whole blood and matching dried blood spots. International Journal of Legal Medicine, 2013, 127, 69-76.	1.2	27
1352	High performance analysis of the cyanobacterial metabolism via liquid chromatography coupled to a LTQ-Orbitrap mass spectrometer: evidence that glucose reprograms the whole carbon metabolism and triggers oxidative stress. Metabolomics, 2013, 9, 21-32.	1.4	29
1353	Analysis of cannabinoids in oral fluid by liquid chromatographyâ€¦tandem mass spectrometry. Forensic Toxicology, 2013, 31, 151-163.	1.4	26
1354	Investigation of ex vivo stability of fesoterodine in human plasma and its simultaneous determination together with its active metabolite 5-HMT by LCâ€¦ESI-MS/MS: Application to a bioequivalence study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 913-914, 1-11.	1.2	3
1355	Quantitative analysis of cortisol and 6Î²â€¦hydroxycortisol in urine by fully automated <sc>SPE</sc> and ultraâ€¦performance <sc>LC</sc> coupled with electrospray and atmospheric pressure chemical ionization (<sc>ESC</sc>i)â€¦<sc>TOF</sc>â€¦<sc>MS</sc>. Journal of Separation Science, 2013, 36, 246-251.	1.3	5
1356	Matrix effect in highâ€¦performance liquid chromatographyâ€¦tandem mass spectrometry analysis of antibiotics in environmental water samples. Journal of Separation Science, 2013, 36, 564-571.	1.3	28
1357	Quantitation and pharmacokinetics of 1,4â€¦diaminoâ€¦2,3â€¦dicyanoâ€¦1,4â€¦bis (2â€¦aminophenylthio) butadiene (<sc>U</sc>0126) in rat plasma by liquid chromatographyâ€¦tandem mass spectrometry. Journal of Separation Science, 2013, 36, 239-245.	1.3	4
1358	Influence of matrix effect on the performance of the method for the official residue control of nonâ€¦steroidal antiâ€¦inflammatory drugs in animal muscle. Rapid Communications in Mass Spectrometry, 2013, 27, 437-442.	0.7	14
1359	Performance of dielectric barrier discharge ionization mass spectrometry for pesticide testing: a comparison with atmospheric pressure chemical ionization and electrospray ionization. Rapid Communications in Mass Spectrometry, 2013, 27, 419-429.	0.7	35
1360	Determination of bromadiolone and brodifacoum in human hair by liquid chromatography/tandem mass spectrometry and its application to poisoning cases. Rapid Communications in Mass Spectrometry, 2013, 27, 513-520.	0.7	14
1361	Simultaneous determination of blonanserine and its four metabolites in human plasma using ultra-performance liquid chromatographyâ€¦tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 939, 59-66.	1.2	8
1362	Hydrophilic interaction liquid chromatography/positive ion electrospray ionization mass spectrometry method for the quantification of alprazolam and 1â€¦hydroxy-alprazolam in human plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 942-943, 158-164.	1.2	8
1363	Pharmacokinetic comparisons of different combinations of Shaoyao-Gancao-Decoction in rats: Simultaneous determination of ten active constituents by HPLCâ€¦MS/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 932, 76-87.	1.2	54
1364	Simultaneous determination of homocysteine and asymmetric dimethylarginine in human urine by liquid chromatographyâ€¦tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 939, 32-37.	1.2	16
1365	Simultaneous determination of hair cortisol, cortisone and DHEAS with liquid chromatographyâ€¦electrospray ionization-tandem mass spectrometry in negative mode. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 929, 187-194.	1.2	51

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1366	Detection, occurrence and fate of 22 psychiatric pharmaceuticals in psychiatric hospital and municipal wastewater treatment plants in Beijing, China. <i>Chemosphere</i> , 2013, 90, 2520-2525.	4.2	186
1367	QuEChERS extraction of benzodiazepines in biological matrices. <i>Journal of Pharmaceutical Analysis</i> , 2013, 3, 509-517.	2.4	38
1368	Method development, validation and bioequivalence of varenicline in human plasma by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 931, 134-139.	1.2	5
1369	Fast quantification of ten psychotropic drugs and metabolites in human plasma by ultra-high performance liquid chromatography tandem mass spectrometry for therapeutic drug monitoring. <i>Journal of Chromatography A</i> , 2013, 1292, 160-172.	1.8	69
1370	Evaluation of mobile phase composition for enhancing sensitivity of targeted quantification of oligonucleotides using ultra-high performance liquid chromatography and mass spectrometry: Application to phosphorothioate deoxyribonucleic acid. <i>Journal of Chromatography A</i> , 2013, 1288, 73-81.	1.8	65
1371	Quantitative determination of the <i>Fusarium</i> mycotoxins beauvericin, enniatin A, A1, B and B1 in pig plasma using high performance liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2013, 106, 212-219.	2.9	45
1372	A fully validated method for the quantification of ethyl glucuronide and ethyl sulphate in urine by UPLC-ESI-MS/MS applied in a prospective alcohol self-monitoring study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 929, 149-154.	1.2	19
1373	A rugged and accurate liquid chromatography-tandem mass spectrometry method for the determination of asunaprevir, an NS3 protease inhibitor, in plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 921-922, 81-86.	1.2	16
1374	Quantification of the 5-lipoxygenase inhibitor zileuton in human plasma using high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 937, 79-83.	1.2	7
1375	Scientific Working Group for Forensic Toxicology (SWGTOX) Standard Practices for Method Validation in Forensic Toxicology. <i>Journal of Analytical Toxicology</i> , 2013, 37, 452-474.	1.7	658
1376	Endocrine disrupting chemicals in fish bile: A rapid method of analysis using English sole ( <i>Parophrys</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.2	15
1377	Simultaneous analysis of eight phenolic environmental estrogens in blood using dispersive micro-solid-phase extraction combined with ultra fast liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2013, 115, 787-797.	2.9	49
1378	Simultaneous quantification of vinblastine and desacetylvinblastine concentrations in canine plasma and urine samples using LC-APCI-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 913-914, 147-154.	1.2	12
1379	Determination of vinblastine in tumour tissue with liquid chromatography-high resolution mass spectrometry. <i>Talanta</i> , 2013, 116, 887-893.	2.9	19
1380	Pharmacokinetics of dexamethasone after intravenous and intramuscular administration in broiler chickens. <i>Veterinary Journal</i> , 2013, 195, 216-220.	0.6	16
1381	Ultra-high-performance liquid chromatography-tandem mass spectrometry measurement of climbazole deposition from hair care products onto artificial skin and human scalp. <i>Journal of Chromatography A</i> , 2013, 1317, 155-158.	1.8	6
1382	Sensitivity and specificity enhanced enzyme-linked immunosorbent assay by rational hapten modification and heterogeneous antibody/coating antigen combinations for the detection of melamine in milk, milk powder and feed samples. <i>Talanta</i> , 2013, 116, 173-180.	2.9	49
1383	Preparation of a polar monolithic coating for stir bar sorptive extraction of emerging contaminants from wastewaters. <i>Journal of Chromatography A</i> , 2013, 1295, 42-47.	1.8	39



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1384	Simultaneous determination of ten biogenic amines in a thymopolypeptides injection using ultra-performance liquid chromatography coupled with electrospray ionization tandem quadrupole mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 929, 33-39.	1.2	13
1385	Liquid chromatography–mass spectrometry determination in plasma of maslinic acid, a bioactive compound from <i>Olea europaea</i> L. <i>Food Chemistry</i> , 2013, 141, 4375-4381.	4.2	11
1386	Postmortem blood and tissue concentrations of R- and S-enantiomers of methadone and its metabolite EDDP. <i>Forensic Science International</i> , 2013, 226, 254-260.	1.3	29
1387	Determination of ethyl glucuronide in human hair by hydrophilic interaction liquid chromatography–tandem mass spectrometry. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2013, 20, 799-802.	0.5	11
1388	Quantification of psychosine in the serum of twitcher mouse by LC–ESI-tandem-MS analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 80, 44-49.	1.4	13
1389	Evaluation of dispersive liquid–liquid microextraction in the stereoselective determination of cetirizine following the fungal biotransformation of hydroxyzine and analysis by capillary electrophoresis. <i>Talanta</i> , 2013, 116, 743-752.	2.9	23
1390	Simultaneous determination of steroidal and phenolic endocrine disrupting chemicals in fish by ultra-high-performance liquid chromatography–mass spectrometry/mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1278, 126-132.	1.8	25
1391	Distribution of Aconitum alkaloids in autopsy cases of aconite poisoning. <i>Forensic Science International</i> , 2013, 227, 111-117.	1.3	47
1392	Simultaneous determination of six hydrophilic components in rat plasma after oral administration of Jitai tablet by liquid chromatography–electrospray ionization–tandem mass spectrometry: Application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 912, 75-84.	1.2	15
1393	A new approach for antibiotic drugs determination in human plasma by liquid chromatography–mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1272, 41-49.	1.8	49
1396	Simultaneous determination of opiates, methadone, buprenorphine and metabolites in human urine by superficially porous liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 925, 10-15.	1.2	19
1397	Development and validation of an LC–MS/MS method for quantification of $\delta^9$ -tetrahydrocannabinolic acid A (THCA), THC, CBN and CBD in hair. <i>Journal of Mass Spectrometry</i> , 2013, 48, 227-233.	0.7	43
1398	A dual role of boronate affinity in high-sensitivity detection of vicinal diol brassinosteroids from sub-gram plant tissues via UPLC-MS/MS. <i>Analyst</i> , The, 2013, 138, 1342.	1.7	23
1399	Liquid chromatography tandem mass spectrometry method (LC–MS/MS) for simultaneous determination of piperine, cinnamic acid and gallic acid in rat plasma using a polarity switch technique. <i>Analytical Methods</i> , 2013, 5, 967.	1.3	11
1400	Quantification of 31 illicit and medicinal drugs and metabolites in whole blood by fully automated solid-phase extraction and ultra-performance liquid chromatography–tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2607-2617.	1.9	66
1401	Quantification of Globotriaosylsphingosine in Plasma and Urine of Fabry Patients by Stable Isotope Ultraperformance Liquid Chromatography–Tandem Mass Spectrometry. <i>Clinical Chemistry</i> , 2013, 59, 547-556.	1.5	85
1402	Determination of Seven Free Anabolic Steroid Residues in Eggs by High-Performance Liquid Chromatography–Tandem Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2013, 51, 229-236.	0.7	7
1403	Comparison of solid-phase extraction sorbents for the fractionation and determination of important free and glycosidically-bound varietal aroma compounds in wines by gas chromatography-mass spectrometry. <i>Open Chemistry</i> , 2013, 11, 228-247.	1.0	4

#	ARTICLE	IF	CITATIONS
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1406	Determination of ketamine and norketamine in hair by micropulverized extraction and liquid chromatography–high resolution mass spectrometry. <i>Forensic Science International</i> , 2013, 226, 88-93.	1.3	38
1407	SPE–UPLC–MS/MS method for sensitive and rapid determination of aripiprazole in human plasma to support a bioequivalence study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 925, 20-25.	1.2	24
1408	Measurement of cortisol and cortisone in children's hair using ultra performance liquid chromatography and tandem mass spectrometry. <i>Analytical Methods</i> , 2013, 5, 2074.	1.3	16
1409	Buprenorphine and norbuprenorphine quantification in human plasma by simple protein precipitation and ultra-high performance liquid chromatography tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 77, 1-8.	1.4	23
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1432	Determination of monosulfuron-ester residues in grains, straw, green plants and soil of wheat by modified QuEChERS and LC-MS/MS. <i>Analytical Methods</i> , 2013, 5, 2267.	1.3	10
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1544	Rapid extraction, identification and quantification of drugs of abuse in hair by immunoassay and ultra-performance liquid chromatography tandem mass spectrometry. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014, 52, 679-86.	1.4	23
1545	Separation and determination of homogenous fatty alcohol ethoxylates by liquid chromatography with multistage mass spectrometry. <i>Journal of Separation Science</i> , 2014, 37, 1694-1702.	1.3	11
1546	Simultaneous identification, confirmation and quantitation of illegal adulterated antidiabetics in herbal medicines and dietary supplements using high-resolution benchtop quadrupole-Orbitrap mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 967, 174-182.	1.2	30
1547	Screening for new psychoactive substances in hair by ultrahigh performance liquid chromatography–electrospray ionization tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1372, 145-156.	1.8	67
1548	Simultaneous determination of saflufenacil and its two metabolites in soil samples by ultra–performance liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2014, 37, 658-664.	1.3	15
1549	High throughput quantification of prohibited substances in plasma using thin film solid phase microextraction. <i>Journal of Chromatography A</i> , 2014, 1374, 40-49.	1.8	77
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1553	Liquid chromatography/tandem mass spectrometry with fluoruous derivatization method for selective analysis of sialyl oligosaccharides. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2481-2489.	0.7	26
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1560	Simultaneous determination of metoprolol and its metabolites, <i>l</i> -hydroxymetoprolol and <i>o</i> -desmethylemetoprolol, in human plasma by liquid chromatography with tandem mass spectrometry: application to the pharmacokinetics of metoprolol associated with <i>CYP2D6</i> genotypes. <i>Journal of Separation Science</i> , 2014, 37, 1256-1264.	1.3	26
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1566	Determination of drugs of abuse in bovine dentin using liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2014, 49, 1306-1313.	0.7	15
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1607	LC-MS-MS for the Determination of Ponacidin in Dog Plasma. <i>Journal of Chromatographic Science</i> , 2014, 52, 211-217.	0.7	2

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1611	Rapid and simultaneous quantitation of prostanoids by UPLC-MS/MS in rat brain. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 945-946, 207-216.	1.2	30
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1613	Fate of malathion and a phosphonic acid in activated sludge with varying solids retention times. <i>Water Research</i> , 2014, 57, 127-139.	5.3	21
1614	Detection of $\beta$ -methylphenethylamine, a novel doping substance, by means of UPLC/MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3681-3688.	1.9	21
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1616	Multi-dye residue analysis of triarylmethane, xanthene, phenothiazine and phenoxazine dyes in fish tissues by ultra-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 953-954, 92-101.	1.2	23
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1620	Selective materials for solid-phase extraction in environmental analysis. <i>Trends in Environmental Analytical Chemistry</i> , 2014, 1, e8-e18.	5.3	52
1621	3,4-Methylenedioxypropylvalerone (MDPV) and metabolites quantification in human and rat plasma by liquid chromatography-high resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 827, 54-63.	2.6	40
1622	Simplifying sample pretreatment: Application of dried blood spot (DBS) method to blood samples, including postmortem, for UHPLC-MS/MS analysis of drugs of abuse. <i>Forensic Science International</i> , 2014, 243, 61-67.	1.3	64
1623	Liquid chromatography-tandem mass spectrometry for simultaneous measurement of thromboxane B2 and 12(S)-hydroxyeicosatetraenoic acid in serum. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 96, 256-262.	1.4	22
1624	Mass spectrometry and 3-nitrotyrosine: Strategies, controversies, and our current perspective. <i>Mass Spectrometry Reviews</i> , 2014, 33, 237-276.	2.8	59
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1639	High-throughput determination of nonsteroidal anti-inflammatory drugs in human plasma by HILIC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 88, 71-80.	1.4	31
1640	Introduction of solid-phase microextraction as a high-throughput sample preparation tool in laboratory analysis of prohibited substances. <i>Analytica Chimica Acta</i> , 2014, 809, 69-81.	2.6	89
1641	Simultaneous Determination of Sulphoraphane and Sulphoraphane Nitrile in <i>Brassica</i> Vegetables using Ultra-Performance Liquid Chromatography with Tandem Mass Spectrometry. <i>Phytochemical Analysis</i> , 2014, 25, 141-146.	1.2	9
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1646	An automated dual-gradient liquid chromatography-MS/MS method for the simultaneous determination of ferulic acid, ligustrazine and ligustilide in rat plasma and its application to a pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 88, 354-363.	1.4	26
1647	LC-MS/MS in the routine clinical laboratory: has its time come?. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2289-2301.	1.9	71
1648	Analytical metabolomics-based approaches to pancreatic cancer. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 55, 94-116.	5.8	13
1649	Quantification of typical antipsychotics in human plasma by ultra-high performance liquid chromatography tandem mass spectrometry for therapeutic drug monitoring. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 88, 36-44.	1.4	37
1650	Determination of phenolic compounds in olive oil: New method based on liquid-liquid micro extraction and ultra high performance liquid chromatography-triple quadrupole mass spectrometry. <i>LWT - Food Science and Technology</i> , 2014, 57, 49-57.	2.5	49
1651	Development of a simple and rapid solid phase microextraction-gas chromatography-triple quadrupole mass spectrometry method for the analysis of dopamine, serotonin and norepinephrine in human urine. <i>Analytica Chimica Acta</i> , 2014, 810, 17-24.	2.6	113
1652	Application of modified QuEChERS method to liver samples for forensic toxicological analysis. <i>Forensic Toxicology</i> , 2014, 32, 139-147.	1.4	31
1653	Evaluation of matrix effect in isotope dilution mass spectrometry based on quantitative analysis of chloramphenicol residues in milk powder. <i>Analytica Chimica Acta</i> , 2014, 807, 75-83.	2.6	45
1654	Rapid and simple extraction of lipids from blood plasma and urine for liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1331, 19-26.	1.8	44
1655	Screening and quantitative determination of drugs of abuse in diluted urine by UPLC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 947-948, 83-95.	1.2	35
1656	Application of a high resolution benchtop quadrupole-Orbitrap mass spectrometry for the rapid screening, confirmation and quantification of illegal adulterated phosphodiesterase-5 inhibitors in herbal medicines and dietary supplements. <i>Journal of Chromatography A</i> , 2014, 1344, 91-98.	1.8	55
1657	DETERMINATION OF FLORFENICOL AMINE IN SWINE MUSCLE BY HYDROPHILIC INTERACTION LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROSCOPY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2014, 37, 2698-2710.	0.5	10
1658	Rapid and sensitive methodology for determination of ethyl carbamate in fortified wines using microextraction by packed sorbent and gas chromatography with mass spectrometric detection. <i>Analytica Chimica Acta</i> , 2014, 811, 29-35.	2.6	40
1659	Simultaneous quantification of 20 synthetic cannabinoids and 21 metabolites, and semi-quantification of 12 alkyl hydroxy metabolites in human urine by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1327, 105-117.	1.8	92
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1661	Analysis of AM-2201 and metabolites in a drugs and driving case. <i>Drug Testing and Analysis</i> , 2014, 6, 389-395.	1.6	14
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1914	Simultaneous determination of LSD and 2-oxo-3-hydroxy LSD in hair and urine by LC-MS/MS and its application to forensic cases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 115, 138-143.	1.4	17
1915	High-throughput method for macrolides and lincosamides antibiotics residues analysis in milk and muscle using a simple liquid-liquid extraction technique and liquid chromatography-electrospray-tandem mass spectrometry analysis (LC-MS/MS). <i>Talanta</i> , 2015, 144, 686-695.	2.9	84
1916	Antibody-free ultra-high performance liquid chromatography/tandem mass spectrometry measurement of angiotensin I and II using magnetic epitope-imprinted polymers. <i>Journal of Chromatography A</i> , 2015, 1411, 69-76.	1.8	17
1917	High-throughput screening for new psychoactive substances (NPS) in whole blood by DLLME extraction and UHPLC-MS/MS analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1000, 57-68.	1.2	86
1918	The development of a high-performance liquid chromatography-tandem mass spectrometric method for simultaneous quantification of morphine, morphine-3- $\beta$ -glucuronide, morphine-6- $\beta$ -glucuronide, hydromorphone, and normorphone in serum. <i>Clinical Biochemistry</i> , 2015, 48, 1283-1290.	0.8	16
1919	Determination of Bedaquiline in Human Serum Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5675-5680.	1.4	28
1920	A Validated LC-MS-MS Method for Simultaneous Identification and Quantitation of Rodenticides in Blood. <i>Journal of Analytical Toxicology</i> , 2015, 39, 219-224.	1.7	24

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1921	Multi-mycotoxin analysis of animal feed and animal-derived food using LC-MS/MS system with timed and highly selective reaction monitoring. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 7359-7368.	1.9	67
1922	Liquid Chromatography, In Combination with a Quadrupole Time-of-Flight Instrument, with Sequential Window Acquisition of All Theoretical Fragment-Ion Spectra Acquisition: Validated Quantification of 39 Antidepressants in Whole Blood As Part of a Simultaneous Screening and Quantification Procedure. <i>Analytical Chemistry</i> , 2015, 87, 9294-9301.	3.2	43
1923	Detection and quantification of 56 new psychoactive substances in whole blood and urine by LC-MS/MS. <i>Bioanalysis</i> , 2015, 7, 1119-1136.	0.6	38
1924	Does volumetric absorptive microsampling eliminate the hematocrit bias for caffeine and paraxanthine in dried blood samples? A comparative study. <i>Analytica Chimica Acta</i> , 2015, 881, 65-73.	2.6	128
1925	Determination of iohexol in human serum by a semi-automated liquid chromatography tandem mass spectrometry method. <i>Clinical Biochemistry</i> , 2015, 48, 679-685.	0.8	12
1926	Multi-analyte analysis of non-vitamin K antagonist oral anticoagulants in human plasma using tandem mass spectrometry. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015, 53, 1981-90.	1.4	22
1927	Validation and clinical application of a method to quantify nevirapine in dried blood spots and dried breast-milk spots. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 2816-2822.	1.3	21
1928	Analysis of benzodiazepines and their metabolites using DBS cards and LC-MS/MS. <i>Forensic Science International</i> , 2015, 255, 137-145.	1.3	25
1929	Liquid chromatography-high resolution mass spectrometry with immunoaffinity clean-up for the determination of the oxidative stress biomarker 8-iso-prostaglandin F2alpha in wastewater. <i>Journal of Chromatography A</i> , 2015, 1409, 146-151.	1.8	43
1930	Rapid chiral separation of atenolol, metoprolol, propranolol and the zwitterionic metoprolol acid using supercritical fluid chromatography-tandem mass spectrometry Application to wetland microcosms. <i>Journal of Chromatography A</i> , 2015, 1409, 251-258.	1.8	29
1931	An ultrasensitive nano UHPLC-ESI-MS/MS method for the quantification of three neuromedin-like peptides in microdialysates. <i>Bioanalysis</i> , 2015, 7, 605-619.	0.6	16
1932	Direct tandem mass spectrometric analysis of amino acids in plasma using fluorous derivatization and monolithic solid-phase purification. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 115, 201-207.	1.4	13
1933	A rapid LC-MS/MS quantification of peramivir using a simple and inexpensive sample precipitation: application to PK. <i>Bioanalysis</i> , 2015, 7, 319-332.	0.6	4
1934	Making methods rugged for regulated bioanalysis. <i>Bioanalysis</i> , 2015, 7, 833-852.	0.6	5
1935	Assessing cocaine abuse using LC-MS/MS measurements in biological specimens. <i>Bioanalysis</i> , 2015, 7, 1497-1525.	0.6	11
1936	Determination of organophosphate flame retardants and plasticizers in lipid-rich matrices using dispersive solid-phase extraction as a sample cleanup step and ultra-high performance liquid chromatography with atmospheric pressure chemical ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 885, 183-190.	2.6	49
1937	Development and validation of an LC-MS/MS method for determination of p-phenylenediamine and its metabolites in blood samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 997, 1-6.	1.2	17
1938	Analysis of trace dicyandiamide in stream water using solid phase extraction and liquid chromatography UV spectrometry. <i>Journal of Environmental Sciences</i> , 2015, 35, 38-42.	3.2	21



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1939	Synthesis and Use of Stable-Isotope-Labeled Internal Standards for Quantification of Phosphorylated Metabolites by LC-MS/MS. <i>Analytical Chemistry</i> , 2015, 87, 6896-6904.	3.2	66
1940	Determination of Î±-hederin in rat plasma using liquid chromatography electrospray ionization tandem mass spectrometry (LC-ESI-MS/MS) and its application to a pharmacokinetic study. <i>Analytical Methods</i> , 2015, 7, 2155-2161.	1.3	9
1941	Pharmacokinetic Evaluation of Avicularin Using a Model-Based Development Approach. <i>Planta Medica</i> , 2015, 81, 373-381.	0.7	8
1942	Determination of phenolic compounds by ultra high liquid chromatography-tandem mass spectrometry: Applications in nuts. <i>LWT - Food Science and Technology</i> , 2015, 64, 42-49.	2.5	28
1943	Effect of glycyrrhizic acid on rein renal penetration: a microdialysis study in rats. <i>Xenobiotica</i> , 2015, 45, 1116-1121.	0.5	2
1944	Development and validation of a liquid chromatography-tandem mass spectrometry method for the quantitative determination of gamithromycin in animal plasma, lung tissue and pulmonary epithelial lining fluid. <i>Journal of Chromatography A</i> , 2015, 1398, 73-82.	1.8	14
1945	Determination of the antitubercular drug PA-824 in rat plasma, lung and brain tissues by liquid chromatography tandem mass spectrometry: Application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 988, 187-194.	1.2	21
1946	The role of methanol addition to water samples in reducing analyte adsorption and matrix effects in liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1389, 76-84.	1.8	16
1947	Bioavailability and pharmacokinetics profile of helicid in beagle dogs using gradient elution high performance liquid chromatography electrospray ionization mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 988, 8-12.	1.2	7
1948	Critical development by design of a rugged HPLC-MS/MS method for direct determination of ibuprofen enantiomers in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 992, 67-75.	1.2	27
1949	Development and validation of a liquid chromatography tandem mass spectrometry assay for the quantitation of a protein therapeutic in cynomolgus monkey serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 988, 81-87.	1.2	11
1950	Validated UPLC-MS/MS method for determination of hordenine in rat plasma and its application to pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 111, 131-137.	1.4	59
1951	Development of amino acid derivatization reagents for liquid chromatography electrospray ionization mass spectrometric analysis and ionization efficiency measurements. <i>Journal of Chromatography A</i> , 2015, 1390, 62-70.	1.8	31
1952	Target analysis of primary aromatic amines combined with a comprehensive screening of migrating substances in kitchen utensils by liquid chromatography-high resolution mass spectrometry. <i>Talanta</i> , 2015, 138, 290-297.	2.9	28
1953	Analytical tools for the analysis of Î²-carotene and its degradation products. <i>Free Radical Research</i> , 2015, 49, 650-680.	1.5	41
1954	Liquid chromatography-mass spectrometry method development for monitoring stress-related corticosteroids levels in pig saliva. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 990, 158-163.	1.2	9
1955	A high-performance liquid chromatography-tandem mass spectrometry based targeted metabolomics kidney dysfunction marker panel in human urine. <i>Clinica Chimica Acta</i> , 2015, 446, 43-53.	0.5	28
1956	A Method for Analysis of Wilfordmine in Human Plasma by Liquid Chromatography Coupled with Ion Trap Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2015, 53, 177-182.	0.7	0

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1957	Development and validation of a rapid turboflow LC-MS/MS method for the quantification of LSD and 2-oxo-3-hydroxy LSD in serum and urine samples of emergency toxicological cases. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1577-1584.	1.9	35
1958	Determination of selected veterinary antimicrobials in poultry excreta by UHPLC-MS/MS, for application in Salmonella control programs. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4447-4457.	1.9	19
1959	Determination of illicit drugs and metabolites in oral fluid by microextraction on packed sorbent coupled with LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3647-3658.	1.9	58
1960	Rapid evaluation of 25 key sphingolipids and phosphosphingolipids in human plasma by LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5189-5198.	1.9	47
1961	Determination of pharmaceuticals in bivalves using QuEChERS extraction and liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3841-3849.	1.9	31
1962	Determination of Synacthen® in dried blood spots for doping control analysis using liquid chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4709-4720.	1.9	24
1963	Enantioselective analysis of non-steroidal anti-inflammatory drugs in freshwater fish based on microextraction with a supramolecular liquid and chiral liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4721-4731.	1.9	23
1964	Occurrence and distribution of sulfonamides, tetracyclines, quinolones, macrolides, and nitrofurans in livestock manure and amended soils of Northern China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4545-4554.	2.7	225
1965	A quick method for determination of psychoactive agents in serum and hair by using capillary electrophoresis and mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 111, 177-185.	1.4	17
1966	Development and analytical comparison of microflow and nanoflow liquid chromatography/mass spectrometry procedures for quantification of cardiac troponin T in mouse hearts. <i>Talanta</i> , 2015, 131, 510-520.	2.9	15
1967	Aminoglycoside analysis in food of animal origin with a zwitterionic stationary phase and liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 882, 127-139.	2.6	64
1968	Utilizing Internal Standard Responses to Assess Risk on Reporting Bioanalytical Results from Hemolyzed Samples. <i>AAPS Journal</i> , 2015, 17, 1168-1176.	2.2	9
1969	A UHPLC-MS/MS bioanalytical assay for the determination of BMS-911543, a JAK2 inhibitor, in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 991, 85-91.	1.2	7
1970	Transfer of chloramphenicol from milk to commercial dairy products – Experimental proof. <i>Food Control</i> , 2015, 57, 411-418.	2.8	22
1971	Highly sensitive determination of dialkyl phosphinate acids in environmental samples by ion chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1394, 26-35.	1.8	5
1972	A Validated Method for Simultaneous Determination of Codeine, Codeine-6-Glucuronide, Norcodeine, Morphine, Morphine-3-Glucuronide and Morphine-6-Glucuronide in Post-Mortem Blood, Vitreous Fluid, Muscle, Fat and Brain Tissue by LC-MS. <i>Journal of Analytical Toxicology</i> , 2015, 39, 203-212.	1.7	19
1973	Analysis of New Designer Drugs in Post-Mortem Blood Using High-Resolution Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2015, 39, 163-171.	1.7	47
1974	Bibliometric Mapping: Eight Decades of Analytical Chemistry, With Special Focus on the Use of Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 4588-4596.	3.2	24

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1975	UHPLC-MS method for determination of gambogic acid and application to bioavailability, pharmacokinetics, excretion and tissue distribution in rats. <i>Biomedical Chromatography</i> , 2015, 29, 1581-1588.	0.8	12
1976	A validated ultra-high-performance liquid chromatography-tandem mass spectrometry method for the selective analysis of free and total folate in plasma and red blood cells. <i>Journal of Chromatography A</i> , 2015, 1398, 20-28.	1.8	20
1977	Mycotoxin Production in Liquid Culture and on Plants Infected with <i>Alternaria</i> spp. Isolated from Rocket and Cabbage. <i>Toxins</i> , 2015, 7, 743-754.	1.5	29
1978	Pre-equilibration kinetic size-exclusion chromatography with mass spectrometry detection (peKSEC-MS) for label-free solution-based kinetic analysis of protein-small molecule interactions. <i>Analyst</i> , 2015, 140, 990-994.	1.7	9
1979	Determination of fifteen coccidiostats in feed at carry-over levels using liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 112, 50-59.	1.4	39
1980	Vortex-assisted surfactant-enhanced emulsification liquid-liquid microextraction for the determination of carbamates in juices by micellar electrokinetic chromatography tandem mass spectrometry. <i>Talanta</i> , 2015, 139, 174-180.	2.9	33
1981	Simultaneous determination of azilsartan and chlorthalidone in rat and human plasma by liquid chromatography-electrospray tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 990, 185-197.	1.2	26
1982	Development and validation of LC-MS/MS assay for the determination of the prodrug dabigatran etexilate and its active metabolites in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 989, 37-45.	1.2	29
1983	Detection of Codeine, Morphine, 6-Monoacetylmorphine, and Meconin in Human Umbilical Cord Tissue. <i>Therapeutic Drug Monitoring</i> , 2015, 37, 45-52.	1.0	14
1984	A Validated Method for Quantification of Efavirenz in Dried Blood Spots Using High-Performance Liquid Chromatography-Mass Spectrometry. <i>Therapeutic Drug Monitoring</i> , 2015, 37, 220-228.	1.0	28
1985	Pharmacokinetic studies of ginkgolide K in rat plasma and tissues after intravenous administration using ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 988, 1-7.	1.2	16
1986	Impact of the Grinding Process on the Quantification of Ethyl Glucuronide in Hair Using a Validated UPLC-ESI-MS-MS Method. <i>Journal of Analytical Toxicology</i> , 2015, 39, 17-23.	1.7	33
1987	Development and validation of LC-MS/MS assay for the determination of the prodrug Midodrine and its active metabolite Desglymidodrine in plasma of ascitic patients: Application to individualized therapy and comparative pharmacokinetics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 991, 34-40.	1.2	17
1988	Simultaneous determination of chlorantraniliprole and cyantraniliprole in fruits, vegetables and cereals using ultra-high-performance liquid chromatography-tandem mass spectrometry with the isotope-labelled internal standard method. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4111-4120.	1.9	33
1989	Analysis of phenazepam and 3-hydroxyphenazepam in post-mortem fluids and tissues. <i>Drug Testing and Analysis</i> , 2015, 7, 926-936.	1.6	28
1990	Simultaneous LC-MS/MS determination of JWH-210, RCS-4, $\Delta^9$ -tetrahydrocannabinol, and their main metabolites in pig and human serum, whole blood, and urine for comparing pharmacokinetic data. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3775-3786.	1.9	23
1991	Determination of quinolones and fluoroquinolones, tetracyclines and sulfonamides in bovine, swine and poultry liver using LC-MS/MS. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015, 32, 1-9.	1.1	14
1992	Development, validation and clinical application of a novel method for the quantification of efavirenz in dried breast milk spots using LC-MS/MS. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 555-561.	1.3	35

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1993	Determination of multi-class antimicrobial residues in soil by liquid chromatography-tandem mass spectrometry. <i>RSC Advances</i> , 2015, 5, 27584-27593.	1.7	13
1994	A simple and automated online SPE-LC-MS/MS method for simultaneous determination of olanzapine, fluoxetine and norfluoxetine in human plasma and its application in therapeutic drug monitoring. <i>RSC Advances</i> , 2015, 5, 34342-34352.	1.7	12
1995	Development and comparison of two multi-residue methods for the analysis of select pesticides in honey bees, pollen, and wax by gas chromatography-quadrupole mass spectrometry. <i>Talanta</i> , 2015, 140, 81-87.	2.9	52
1996	Matrix effects in human urine analysis using multi-targeted liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1415, 91-99.	1.8	29
1997	Determination of 11 quinolones in bovine milk using immunoaffinity stir bar sorptive microextraction and liquid chromatography with fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1003, 67-73.	1.2	27
1998	Environmental metabolomics: Databases and tools for data analysis. <i>Marine Chemistry</i> , 2015, 177, 366-373.	0.9	53
1999	Simultaneous determinations of 17 marker compounds in Xiao-Chai-Hua-Tang by LC-MS/MS: Application to its pharmacokinetic studies in mice. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1003, 12-21.	1.2	19
2000	Using the Matrix-Induced Ion Suppression Method for Concentration Normalization in Cellular Metabolomics Studies. <i>Analytical Chemistry</i> , 2015, 87, 9731-9739.	3.2	8
2001	High resolution mass spectrometry for quantitative analysis and untargeted screening of algal toxins in mussels and passive samplers. <i>Journal of Chromatography A</i> , 2015, 1416, 10-21.	1.8	58
2002	Determination of aminoglycosides in honey by capillary electrophoresis tandem mass spectrometry and extraction with molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , 2015, 891, 321-328.	2.6	122
2003	A UPLC-MS-MS method for the simultaneous quantification of first-line antituberculars in plasma and in PBMCs. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 2572-2575.	1.3	23
2004	Application of mixed-mode ultra high performance liquid chromatography to forensic drug analysis. <i>Analytical Methods</i> , 2015, 7, 9763-9772.	1.3	11
2005	An UPLC-MS detection method for the quantification of five antibiotics in human plasma. <i>Bioanalysis</i> , 2015, 7, 2321-2329.	0.6	10
2006	Validation of a fast UPLC-MS/MS method for quantitative analysis of opioids, cocaine, amphetamines (and their derivatives) in human whole blood. <i>Bioanalysis</i> , 2015, 7, 2685-2700.	0.6	17
2007	Development and Validation of a High-Throughput Ultrahigh-Performance Liquid Chromatography-Mass Spectrometry Approach for Screening of Oxylipins and Their Precursors. <i>Analytical Chemistry</i> , 2015, 87, 11721-11731.	3.2	42
2008	Synthesis, characterization and analysis of the acrylamide- and glycidamide-glutathione conjugates. <i>Chemico-Biological Interactions</i> , 2015, 237, 38-46.	1.7	19
2009	Cloud-point extraction is compatible with liquid chromatography coupled to electrospray ionization mass spectrometry for the determination of bisoprolol in human plasma. <i>Journal of Chromatography A</i> , 2015, 1423, 39-46.	1.8	21
2010	Pyrrrolizidine alkaloids in food and feed on the Belgian market. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015, 32, 1939-1951.	1.1	38

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2011	Validation and Application of a Liquid Chromatography-Tandem Mass Spectrometry Method To Determine the Concentrations of Sofosbuvir Anabolites in Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 7671-7679.	1.4	30
2012	Selective determination of COXIBs in environmental water samples by mixed-mode solid phase extraction and liquid chromatography quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1420, 35-45.	1.8	26
2013	Multi-walled carbon nanotubes as solid-phase extraction sorbents for simultaneous determination of type A trichothecenes in maize, wheat and rice by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1423, 177-182.	1.8	39
2014	The development and validation of a method for quantifying olanzapine in human plasma by liquid chromatography tandem mass spectrometry and its application in a pharmacokinetic study. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 305-313.	0.9	13
2015	Determination of the major metabolite of betahistine (2-pyridyl acetic acid) in human plasma by high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Analytical Chemistry</i> , 2015, 70, 1008-1014.	0.4	2
2016	Optimal design of experiments applied to headspace solid phase microextraction for the quantification of vicinal diketones in beer through gas chromatography-mass spectrometric detection. <i>Analytica Chimica Acta</i> , 2015, 887, 101-110.	2.6	23
2017	Dissipation kinetics and residues of triazolopyrimidine herbicides flumetsulam and florasulam in corn ecosystem. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 390.	1.3	13
2018	Application of a validated LC-MS/MS method for JWH-073 and its metabolites in blood and urine in real forensic cases. <i>Forensic Science International</i> , 2015, 257, 165-171.	1.3	16
2019	High-throughput wide dynamic range procedure for the simultaneous quantification of nicotine and cotinine in multiple biological matrices using hydrophilic interaction liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8463-8473.	1.9	28
2020	Non-structural carbohydrates in woody plants compared among laboratories. <i>Tree Physiology</i> , 2015, 35, tpv073.	1.4	163
2021	Reactive Charged Droplets for Reduction of Matrix Effects in Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 10988-10994.	3.2	32
2022	Evaluation of the change in sphingolipids in the human multiple myeloma cell line U266 and gastric cancer cell line MGC-803 treated with arsenic trioxide. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1004, 98-107.	1.2	15
2023	Direct injection human plasma analysis for the quantification of antihypertensive drugs for therapeutic drug monitoring using hydrophilic interaction liquid chromatography/electrospray ionization mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1004, 1-9.	1.2	14
2024	Templated polymers enable selective capture and release of lysophosphatidic acid in human plasma via optimization of non-covalent binding to functional monomers. <i>Analyst</i> , The, 2015, 140, 7572-7577.	1.7	2
2025	Surrogate matrix: opportunities and challenges for tissue sample analysis. <i>Bioanalysis</i> , 2015, 7, 2419-2433.	0.6	17
2026	Quantifying intracellular metabolites in yeast using a matrix with minimal interference from naturally occurring analytes. <i>Analytical Biochemistry</i> , 2015, 487, 17-26.	1.1	2
2027	Rapid determination of benzodiazepines, zolpidem and their metabolites in urine using direct injection liquid chromatography-tandem mass spectrometry. <i>Forensic Science International</i> , 2015, 257, 84-92.	1.3	26
2028	Determination of 26 endocrine disrupting chemicals in fish and water using modified QuEChERS combined with solid-phase extraction and UHPLC-MS/MS. <i>Analytical Methods</i> , 2015, 7, 8418-8431.	1.3	17



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2029	DBS sampling in imatinib therapeutic drug monitoring: from method development to clinical application. <i>Bioanalysis</i> , 2015, 7, 2105-2117.	0.6	30
2030	Development of high throughput 96-blade solid phase microextraction-liquid chromatography-mass spectrometry protocol for metabolomics. <i>Analytica Chimica Acta</i> , 2015, 892, 95-104.	2.6	41
2031	On-Line Sample Pre-Treatment Procedures Applied to LC-MS. , 2015, , 187-269.		0
2032	Solid Phase Microextraction Devices Prepared on Plastic Support as Potential Single-Use Samplers for Bioanalytical Applications. <i>Analytical Chemistry</i> , 2015, 87, 9722-9730.	3.2	73
2033	Short communication: Quantification of carbohydrates in whey permeate products using high-performance anion-exchange chromatography with pulsed amperometric detection. <i>Journal of Dairy Science</i> , 2015, 98, 7644-7649.	1.4	24
2034	Dried blood spots (DBS) in doping controls: a complementary matrix for improved in- and out-of-competition sports drug testing strategies. <i>Analytical Methods</i> , 2015, 7, 7596-7605.	1.3	23
2035	Measurement of catecholamines in rat and mini-pig plasma and urine by liquid chromatography-tandem mass spectrometry coupled with solid phase extraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 997, 154-161.	1.2	20
2036	Application of online microdialysis coupled with liquid chromatography-tandem mass spectrometry method in assessing neuroprotective effect of <i>Rhizoma coptidis</i> on diabetic rats. <i>Analytical Methods</i> , 2015, 7, 45-52.	1.3	25
2037	Sugars in Antarctic aerosol. <i>Atmospheric Environment</i> , 2015, 118, 135-144.	1.9	47
2038	Quantitative Determination of Tenuazonic Acid in Pig and Broiler Chicken Plasma by LC-MS/MS and Its Comparative Toxicokinetics. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8560-8567.	2.4	23
2039	Determination of Siderophores in Seawater by High Performance Liquid Chromatography-Tandem Mass Spectrometry Coupled with Solid Phase Extraction. <i>Chinese Journal of Analytical Chemistry</i> , 2015, 43, 1285-1290.	0.9	4
2040	Determination of dopamine concentrations in brain extracellular fluid using microdialysis with short sampling intervals, analyzed by ultra high performance liquid chromatography tandem mass spectrometry. <i>Journal of Pharmacological and Toxicological Methods</i> , 2015, 74, 75-79.	0.3	33
2041	Phenylboronic Acid Solid Phase Extraction Cleanup and Isotope Dilution Liquid Chromatography-Tandem Mass Spectrometry for the Determination of Florfenicol Amine in Fish Muscles. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 566-574.	0.7	9
2042	Quantitative performance of online SPE-LC coupled to Q-Exactive for the analysis of sofosbuvir in human plasma. <i>RSC Advances</i> , 2015, 5, 98269-98277.	1.7	19
2043	Expansion of the Scope of AOAC First Action Method 2012.25 Single-Laboratory Validation of Triphenylmethane Dye and Leuco Metabolite Analysis in Shrimp, Tilapia, Catfish, and Salmon by LC-MS/MS. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 636-648.	0.7	10
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2046	Development and validation of a dynamic range-extended LC-MS/MS multi-analyte method for 11 different postmortem matrices for redistribution studies applying solvent calibration and additional <sup>13</sup> C isotope monitoring. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8681-8712.	1.9	40

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2048	Urinary detection of conjugated and unconjugated anabolic steroids by diluteâ€andâ€shoot liquid chromatographyâ€high resolution mass spectrometry. <i>Drug Testing and Analysis</i> , 2015, 7, 95-108.	1.6	41
2049	Quantification of six cannabinoids and metabolites in oral fluid by liquid chromatographyâ€tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2015, 7, 684-694.	1.6	45
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2175	Development and Validation of a Rapid Method for Identification and Quantitation of Benzophenone and Related 17 Derivatives in Paper and Cardboard Packaging Materials by Gas Chromatography-Mass Spectrometry. <i>Packaging Technology and Science</i> , 2016, 29, 513-524.	1.3	7
2176	GLP principles and their role in supporting pharmacokinetic and residue depletion studies for drug registration and licensing. <i>Drug Testing and Analysis</i> , 2016, 8, 572-577.	1.6	3
2177	Simultaneous determination of 24 personal care products in fish muscle and liver tissues using QuEChERS extraction coupled with ultra pressure liquid chromatography-tandem mass spectrometry and gas chromatography-mass spectrometer analyses. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8177-8193.	1.9	41
2178	Study of in-vitro metabolism of selected antibiotic drugs in human liver microsomes by liquid chromatography coupled with tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8273-8287.	1.9	12
2179	An Efficient, Robust Method for the Determination of Cannabinoids in Whole Blood by LC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2016, 40, 639-648.	1.7	21
2180	Quantitative mass spectrometry methods for pharmaceutical analysis. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150366.	1.6	54
2181	Mass spectrometry as a quantitative tool in plant metabolomics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150370.	1.6	98
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2184	Review of sample preparation strategies for MS-based metabolomic studies in industrial biotechnology. <i>Analytica Chimica Acta</i> , 2016, 938, 18-32.	2.6	27
2185	Determination of serum glucose by isotope dilution liquid chromatography-tandem mass spectrometry: a candidate reference measurement procedure. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7403-7411.	1.9	18
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2188	Determination of urinary aldosterone using a plasma aldosterone 2D ID LC-MS/MS method. <i>Bioanalysis</i> , 2016, 8, 1765-1775.	0.6	6
2190	Quantification of free auxins in semi-hardwood plant cuttings and microshoots by dispersive liquid-liquid microextraction/microwave derivatization and GC/MS analysis. <i>Analytical Methods</i> , 2016, 8, 6089-6098.	1.3	7
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2192	Quantitative determination by screening ELISA and HPLC-MS/MS of microcystins LR, LY, LA, YR, RR, LF, LW, and nodularin in the water of Occhito lake and crops. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7699-7708.	1.9	21

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2194	Genomic and proteomic characterization of SE-I, a temperate bacteriophage infecting <i>Erysipelothrix rhusiopathiae</i> . <i>Archives of Virology</i> , 2016, 161, 3137-3150.	0.9	2
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2197	Determination of low-molecular-weight organic acids in non-small cell lung cancer with a new liquid chromatography-tandem mass spectrometry method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 299-309.	1.4	17
2198	Stereoselective determination of citalopram and desmethycitalopram in human plasma and breast milk by liquid chromatography tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 233-245.	1.4	16
2199	Development of solid phase extraction strategies to minimize the effect of human urine matrix effect on the response of carnitine by UPLC-MS/MS. <i>Microchemical Journal</i> , 2016, 129, 362-367.	2.3	10
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2207	A Fast Liquid Chromatography Tandem Mass Spectrometric Analysis of PETN (Pentaerythritol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 192 (Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine) in Soil, Utilizing a Simple Ultrasonic-Assisted Extraction with Minimum Solvent. <i>Analytical Sciences</i> , 2016, 32, 611-616.	0.8	9
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2209	A high performance liquid chromatography tandem mass spectrometry for the quantification of tacrolimus in human bile in liver transplant recipients. <i>Journal of Chromatography A</i> , 2016, 1475, 55-63.	1.8	17
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2212	Intralaboratory development and evaluation of a high-performance liquid chromatography-fluorescence method for detection and quantitation of aflatoxins M <sub>1</sub> , B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> , and G <sub>2</sub> in animal liver. <i>Journal of Veterinary Diagnostic Investigation</i> . 2016. 28. 646-655.	0.5	6
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2223	Chiral separation and determination of ketamine and norketamine in hair by capillary electrophoresis. <i>Forensic Science International</i> , 2016, 266, 304-310.	1.3	32
2224	Simultaneous Determination of 42 Pesticides and Herbicides in Chicken Eggs by UHPLC-MS/MS and GC-MS Using a QuEChERS-Based Procedure. <i>Chromatographia</i> , 2016, 79, 1165-1175.	0.7	18
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2226	Evaluation of an Isotope Dilution HPLC Tandem Mass Spectrometry Candidate Reference Measurement Procedure for Total 17- $\beta$ Estradiol in Human Serum. <i>Analytical Chemistry</i> , 2016, 88, 11123-11129.	3.2	29
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2232	Mycoestrogen determination in cow milk: Magnetic solid-phase extraction followed by liquid chromatography and tandem mass spectrometry analysis. <i>Journal of Separation Science</i> , 2016, 39, 4794-4804.	1.3	14
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2237	Development of Analytical Methods Utilizing Selectivity of Fluorous Affinity and Their Applications. <i>Chromatography</i> , 2016, 37, 1-8.	0.8	4
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2243	Application of a LC-MS/MS method developed for the determination of <i>N</i> -acetyl- <i>N</i> -phenylenediamine, <i>N</i> -diacetyl- <i>N</i> -phenylenediamine and <i>N</i> -phenylenediamine in human urine specimens. <i>Biomedical Chromatography</i> , 2016, 30, 1922-1927.	0.8	0
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2257	Analytical pitfalls and challenges in clinical metabolomics. <i>Bioanalysis</i> , 2016, 8, 1509-1532.	0.6	83
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2273	Development and optimization of ultra-high performance supercritical fluid chromatography mass spectrometry method for high-throughput determination of tocopherols and tocotrienols in human serum. <i>Analytica Chimica Acta</i> , 2016, 934, 252-265.	2.6	33
2274	Development and validation of an HILIC-MS/MS method by one-step precipitation for chloroquine in miniature pig plasma. <i>Bioanalysis</i> , 2016, 8, 1159-1171.	0.6	7
2275	Enantioselective simultaneous analysis of selected pharmaceuticals in environmental samples by ultrahigh performance supercritical fluid based chromatography tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2016, 934, 239-251.	2.6	40
2276	Development of a high-speed MALDI-triple quadrupole mass spectrometric method for the determination of 3,4-methylenedioxymethamphetamine (MDMA) in oral fluid. <i>Drug Testing and Analysis</i> , 2016, 8, 235-240.	1.6	10
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2281	Simultaneous analysis of tocopherols, tocotrienols, phospholipids, Î³-oryzanols and Î²-carotene in rice by ultra-high performance liquid chromatography coupled to a linear ion trap-orbitrap mass spectrometer. <i>Analytical Methods</i> , 2016, 8, 5628-5637.	1.3	12
2282	Automated Analysis of Clozapine and Norclozapine in Human Plasma Using Novel Extraction Plate Technology and Flow-Injection Tandem Mass Spectrometry. <i>Therapeutic Drug Monitoring</i> , 2016, 38, 42-49.	1.0	12
2283	Biological Matrix Effects in Quantitative Tandem Mass Spectrometry-Based Analytical Methods: Advancing Biomonitoring. <i>Critical Reviews in Analytical Chemistry</i> , 2016, 46, 93-105.	1.8	243
2284	Mass spectrometry-based plant metabolomics: Metabolite responses to abiotic stress. <i>Mass Spectrometry Reviews</i> , 2016, 35, 620-649.	2.8	254

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2286	Diclofenac in municipal wastewater treatment plant: quantification using laser diode thermal desorption-atmospheric pressure chemical ionization-tandem mass spectrometry approach in comparison with an established liquid chromatography-electrospray ionization-tandem mass spectrometry method. <i>Journal of Chromatography A</i> , 2016, 1433, 106-113.	1.8	46
2287	Development of a UPLC-MS/MS method for determining Î³-hydroxybutyric acid (GHB) and GHB glucuronide concentrations in hair and application to forensic cases. <i>Forensic Toxicology</i> , 2016, 34, 51-60.	1.4	24
2288	Aptamer based peptide enrichment for quantitative analysis of gonadotropin-releasing hormone by LC-MS/MS. <i>Talanta</i> , 2016, 150, 671-680.	2.9	20
2289	Development and application of an UHPLC-MS method for comparative pharmacokinetic study of phenolic components from dragon's blood in rats under simulated microgravity environment. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 91-98.	1.4	5
2290	Establishment and analysis of in vitro biomass from <i>Salvia corrugata</i> Vahl. and evaluation of antimicrobial activity. <i>Phytochemistry</i> , 2016, 122, 276-285.	1.4	19
2291	Novel multiresidue method for determination of pesticides in red wine using gas chromatography-mass spectrometry and solid phase extraction. <i>Food Chemistry</i> , 2016, 200, 98-106.	4.2	41
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2293	High mass accuracy assay for trimethylamine N-oxide using stable-isotope dilution with liquid chromatography coupled to orthogonal acceleration time of flight mass spectrometry with multiple reaction monitoring. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 797-804.	1.9	33
2294	Trace determination of antibacterial pharmaceuticals in fishes by microwave-assisted extraction and solid-phase purification combined with dispersive liquid-liquid microextraction followed by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1011, 136-144.	1.2	35
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2296	Fast determination of catecholamines in human plasma using carboxyl-functionalized magnetic-carbon nanotube molecularly imprinted polymer followed by liquid chromatography-tandem quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1429, 86-96.	1.8	30
2297	QuEChERS-based study on residue determination and dissipation of three herbicides in corn fields using HPLC-MS/MS. <i>Toxicological and Environmental Chemistry</i> , 2016, 98, 216-225.	0.6	7
2298	Longitudinal monitoring of endogenous steroids in human serum by UHPLC-MS/MS as a tool to detect testosterone abuse in sports. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 705-719.	1.9	57
2299	A strategy for the targeted metabolomics analysis of 11 gut microbiota-host co-metabolites in rat serum, urine and feces by ultra high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1429, 207-217.	1.8	33
2300	Simultaneous determination of 200 pesticide residues in honey using gas chromatography-tandem mass spectrometry in conjunction with streamlined quantification approach. <i>Journal of Chromatography A</i> , 2016, 1427, 142-160.	1.8	59
2301	Study of ion suppression for phenolic compounds in medicinal plant extracts using liquid chromatography-electrospray tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1427, 111-124.	1.8	31
2302	Validated UHPLC-MS/MS method for the simultaneous determination of pramipexole and ropinirole in plasma of patients with Parkinson's disease. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1017-1018, 114-119.	1.2	7



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2303	A Liquid Chromatography–Tandem Mass Spectrometry Method for the Detection of Antimicrobial Agents from Seven Classes in Calf Milk Replacers: Validation and Application. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2635-2640.	2.4	20
2305	Determination of Underivatized Glyphosate Residues in Plant-Derived Food with Low Matrix Effect by Solid Phase Extraction-Liquid Chromatography-Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2016, 9, 2856-2863.	1.3	32
2306	In Vitro Metabolic Stability and Permeability of Gymnemagenin and Its In Vivo Pharmacokinetic Correlation in Rats – A Pilot Study. <i>Planta Medica</i> , 2016, 82, 544-550.	0.7	13
2307	Comparative assessment of bioanalytical method validation guidelines for pharmaceutical industry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 126, 83-97.	1.4	116
2308	Validated liquid chromatography–tandem mass spectrometry method for simultaneous determination of clopamide, reserpine and dihydroergotamine: Application to pharmacokinetics in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 125, 236-244.	1.4	7
2309	Development and validation of a liquid chromatography-tandem mass spectrometric assay for quantitative analyses of triptans in hair. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1017-1018, 136-144.	1.2	9
2310	Silica stationary phase-based on-line sample enrichment coupled with LC-MS/MS for the quantification of dopamine, serotonin and their metabolites in rat brain microdialysates. <i>Analytica Chimica Acta</i> , 2016, 923, 55-65.	2.6	39
2311	p-Coumaric acid, a novel and effective biomarker for quantifying hypoxic stress by HILIC-ESI-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1020, 6-13.	1.2	11
2312	Severe serotonergic syndrome after ingestion of 1- $\alpha$ -methyltryptamine. <i>Toxicologie Analytique Et Clinique</i> , 2016, 28, 71-78.	0.1	0
2313	Development of MEPS-UHPLC–MS/MS multistatin methods for clinical analysis. <i>Bioanalysis</i> , 2016, 8, 333-349.	0.6	10
2314	Study of matrix effects for liquid chromatography–electrospray ionization tandem mass spectrometric analysis of 4 aminoglycosides residues in milk. <i>Journal of Chromatography A</i> , 2016, 1437, 8-14.	1.8	39
2315	Development and validation of an UPLC–MS/MS method for the quantification of irinotecan, SN-38 and SN-38 glucuronide in plasma, urine, feces, liver and kidney: Application to a pharmacokinetic study of irinotecan in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1015-1016, 34-41.	1.2	28
2316	Stable isotope dilution ultra-high performance liquid chromatography–tandem mass spectrometry quantitative profiling of tryptophan-related neuroactive substances in human serum and cerebrospinal fluid. <i>Journal of Chromatography A</i> , 2016, 1437, 145-157.	1.8	43
2317	Fast and sensitive supercritical fluid chromatography – tandem mass spectrometry multi-class screening method for the determination of doping agents in urine. <i>Analytica Chimica Acta</i> , 2016, 915, 102-110.	2.6	57
2318	Comparison of a triple-quadrupole and a quadrupole time-of-flight mass analyzer to quantify 16 opioids in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 127, 49-59.	1.4	16
2319	Measurement of macrocyclic trichothecene in floor dust of water-damaged buildings using gas chromatography/tandem mass spectrometry—dust matrix effects. <i>Journal of Occupational and Environmental Hygiene</i> , 2016, 13, 442-450.	0.4	6
2320	Qualitative identification of growth hormone-releasing hormones in human plasma by means of immunoaffinity purification and LC-HRMS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3145-3153.	1.9	30
2321	Application of a novel liquid chromatography/tandem mass spectrometry method for the determination of antazoline in human plasma: Result of ELEPHANT-I [ELEctrophysiological, pharmacokinetic and hemodynamic effects of PHenazolinum (ANTazoline mesylate)] human pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 123, 113-119.	1.4	15

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2323	Quantification of cortisol in human eccrine sweat by liquid chromatography " tandem mass spectrometry. <i>Analyst</i> , The, 2016, 141, 2053-2060.	1.7	72
2324	Development and validation of a LC-MS/MS method for quantitative analysis of uraemic toxins p-cresol sulphate and indoxyl sulphate in saliva. <i>Talanta</i> , 2016, 150, 593-598.	2.9	13
2325	An alternative approach for assessment of liquid chromatography-mass spectrometry matrix effects using auto-sampler programmed co-injection. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2009-2017.	1.9	4
2326	PRiME pass-through cleanup for the fast determination of aflatoxins in human serum by using LC-MS/MS. <i>Analytical Methods</i> , 2016, 8, 1457-1462.	1.3	25
2327	Determination of androgens and progestogens in environmental and biological samples using fabric phase sorptive extraction coupled to ultra-high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1437, 116-126.	1.8	58
2328	Simultaneous determination of metformin, vildagliptin, and 3-amino-1-adamantanol in human plasma: Application to pharmacokinetic studies. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016, 39, 195-202.	0.5	11
2329	A novel strategy for the determination of polycyclic aromatic hydrocarbon monohydroxylated metabolites in urine using ultra-high-performance liquid chromatography with tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2515-2525.	1.9	39
2330	Intoxication fatale par ingestion d'un herbicide, le diméthylammonium-P. <i>Toxicologie Analytique Et Clinique</i> , 2016, 28, 90-99.	0.1	0
2331	Validation and Application of a Dried Blood Spot Ceftriaxone Assay. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 14-23.	1.4	28
2332	Reduced matrix effects for anionic compounds with paired ion electrospray ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2016, 912, 74-84.	2.6	15
2333	Trends in sulfonamides and their by-products analysis in environmental samples using mass spectrometry techniques. <i>Trends in Environmental Analytical Chemistry</i> , 2016, 9, 24-36.	5.3	28
2334	Comparison of LC-MS-MS and GC-MS Analysis of Benzodiazepine Compounds Included in the Drug Demand Reduction Urinalysis Program. <i>Journal of Analytical Toxicology</i> , 2016, 40, 201-207.	1.7	70
2335	Reducing the matrix effects in chemical analysis: fusion of isotope dilution and standard addition methods. <i>Metrologia</i> , 2016, 53, 829-834.	0.6	14
2336	Determination of a steroid profile in heel prick blood using LC-MS/MS. <i>Bioanalysis</i> , 2016, 8, 375-384.	0.6	35
2337	Determination of urinary metabolites of XLR-11 by liquid chromatography " quadrupole time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 503-516.	1.9	23
2338	Target and suspect screening of psychoactive substances in sewage-based samples by UHPLC-QTOF. <i>Analytica Chimica Acta</i> , 2016, 914, 81-90.	2.6	85
2339	Multiresidue analysis of endocrine-disrupting compounds and perfluorinated sulfates and carboxylic acids in sediments by ultra-high-performance liquid chromatography " tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1438, 133-142.	1.8	31

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2341	Identification and determination of ergot alkaloids in Morning Glory cultivars. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3093-3102.	1.9	26
2342	Metal oxides in sample pretreatment. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 80, 41-56.	5.8	59
2343	Development of SPME-LC-MS method for screening of eight beta-blockers and bronchodilators in plasma and urine samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 127, 147-155.	1.4	30
2344	Multiple Reaction Monitoring for Direct Quantitation of Intact Proteins Using a Triple Quadrupole Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 886-896.	1.2	27
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2346	Quantification of ochratoxin A in Chinese liquors by a new solid-phase extraction clean-up combined with HPLC-FLD method. <i>Food Control</i> , 2016, 64, 37-44.	2.8	48
2347	Determination of selected synthetic cannabinoids and their metabolites by micellar electrokinetic chromatography - mass spectrometry employing perfluoroheptanoic acid-based micellar phase. <i>Talanta</i> , 2016, 150, 568-576.	2.9	7
2348	Evaluation of drug incorporation into hair segments and nails by enantiomeric analysis following controlled single MDMA intakes. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 545-556.	1.9	27
2349	Liquid chromatography quadrupole time-of-flight mass spectrometry selective determination of ochratoxin A in wine. <i>Food Chemistry</i> , 2016, 199, 401-408.	4.2	20
2350	Prolonged hypoglycemia after a suicidal ingestion of repaglinide with unexpected slow plasma elimination. <i>Clinical Toxicology</i> , 2016, 54, 158-160.	0.8	4
2351	Multivariate data analysis and metabolic profiling of artemisinin and related compounds in high yielding varieties of <i>Artemisia annua</i> field-grown in Madagascar. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 522-531.	1.4	18
2352	Development of an analytical method for simultaneous detection of psychotropic phenylalkylamines in hair by LC-MS/MS with a multi-mode reversed-phase column using pH gradient elution. <i>Forensic Science International</i> , 2016, 259, 69-76.	1.3	6
2353	Analytical approach to determining human biogenic amines and their metabolites using eVol microextraction in packed syringe coupled to liquid chromatography mass spectrometry method with hydrophilic interaction chromatography column. <i>Talanta</i> , 2016, 150, 331-339.	2.9	25
2354	Biotransformation and adsorption of pharmaceutical and personal care products by activated sludge after correcting matrix effects. <i>Science of the Total Environment</i> , 2016, 544, 980-986.	3.9	37
2355	LC-MS based analysis of endogenous steroid hormones in human hair. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 162, 92-99.	1.2	108
2356	A new quantitation method of protodioscin by HPLC-ESI-MS/MS in rat plasma and its application to the pharmacokinetic study. <i>Steroids</i> , 2016, 106, 62-69.	0.8	7
2357	LC-MS/MS Measurement of Parathyroid Hormone-Related Peptide. <i>Clinical Chemistry</i> , 2016, 62, 218-226.	1.5	24

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2359	Histamine quantification in human plasma using high resolution accurate mass LC-MS technology. <i>Clinical Biochemistry</i> , 2016, 49, 111-116.	0.8	6
2360	Detection of selected corticosteroids and anabolic steroids in calf milk replacers by liquid chromatography-electrospray ionisation Tandem mass spectrometry. <i>Food Control</i> , 2016, 61, 196-203.	2.8	16
2361	Quantitation of the enantiomers of tramadol and its three main metabolites in human whole blood using LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 119, 1-9.	1.4	14
2362	Development, validation and application of a fast analytical methodology for the simultaneous determination of DNA- and RNA-derived urinary nucleosides by liquid chromatography coupled to tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1019, 132-139.	1.2	17
2363	Quantification of phosphatidylethanol 16:0/18:1, 18:1/18:1, and 16:0/16:0 in venous blood and venous and capillary dried blood spots from patients in alcohol withdrawal and control volunteers. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 825-838.	1.9	65
2364	Influence of Water in Samples on Residues Analysis of Beta-Agonists in Porcine Tissues and Urine Using Liquid Chromatography Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2016, 9, 1904-1911.	1.3	10
2365	Rapid and automated analysis of aflatoxin M1 in milk and dairy products by online solid phase extraction coupled to ultra-high-pressure-liquid-chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1428, 212-219.	1.8	45
2366	Determination of lercanidipine in human plasma by an improved UPLC-MS/MS method for a bioequivalence study. <i>Journal of Pharmaceutical Analysis</i> , 2016, 6, 87-94.	2.4	11
2367	Ultra-high-pressure liquid chromatography tandem mass spectrometry determination of antidepressant and anxiolytic drugs in neonatal meconium and maternal hair. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 118, 9-16.	1.4	28
2368	BMAA extraction of cyanobacteria samples: which method to choose?. <i>Environmental Science and Pollution Research</i> , 2016, 23, 338-350.	2.7	42
2369	Evaluation of Quantification Methods to Compensate for Matrix Effects in the Analysis of Benzalkonium Chloride and Didecyltrimethylammonium Chloride in Fruits and Vegetables by LC-ESI-MS/MS. <i>Food Analytical Methods</i> , 2016, 9, 485-499.	1.3	10
2370	A novel high-throughput method for supported liquid extraction of retinol and alpha-tocopherol from human serum and simultaneous quantitation by liquid chromatography tandem mass spectrometry. <i>Annals of Clinical Biochemistry</i> , 2016, 53, 434-445.	0.8	14
2371	Sulfamethoxazole and ciprofloxacin removal using a horizontal-flow anaerobic immobilized biomass reactor. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 847-853.	1.2	18
2372	Simultaneous determination of diphenylarsinic and phenylarsinic acids in amended soils by optimized solvent extraction coupled to HPLC-MS/MS. <i>Geoderma</i> , 2016, 270, 109-116.	2.3	9
2373	Systematic evaluation of matrix effects in hydrophilic interaction chromatography versus reversed phase liquid chromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1439, 42-53.	1.8	28
2374	Determination of monomeric composition in polyhydroxyalkanoates by liquid chromatography coupled with on-line mass spectrometry and off-line nuclear magnetic resonance. <i>Talanta</i> , 2016, 146, 107-113.	2.9	5
2375	Validation and uncertainties evaluation of an isotope dilution-SPE-LC-MS/MS for the quantification of drug residues in surface waters. <i>Talanta</i> , 2016, 146, 138-147.	2.9	21

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2377	Development and validation of a modified QuEChERS protocol coupled to LC-MS/MS for simultaneous determination of multi-class antibiotic residues in honey. <i>Food Chemistry</i> , 2016, 190, 982-989.	4.2	89
2378	Postmortem redistribution of the heroin metabolites morphine and morphine-3-glucuronide in rabbits over 24h. <i>International Journal of Legal Medicine</i> , 2016, 130, 519-531.	1.2	20
2379	Statistical procedures for the determination of linearity, detection limits and measurement uncertainty: A deeper look into SPE-LC-Orbitrap mass spectrometry of pharmaceuticals in wastewater. <i>Journal of Hazardous Materials</i> , 2017, 323, 2-10.	6.5	22
2380	Measurement of pollution levels of N-nitroso compounds of health concern in water using ultra-performance liquid chromatography-tandem mass spectrometry. <i>Chemical Engineering Research and Design</i> , 2017, 108, 7-17.	2.7	11
2381	In vivo contribution of deoxynivalenol-3- $\beta$ -D-glucoside to deoxynivalenol exposure in broiler chickens and pigs: oral bioavailability, hydrolysis and toxicokinetics. <i>Archives of Toxicology</i> , 2017, 91, 699-712.	1.9	75
2382	Thyroid hormone levels in the cerebrospinal fluid correlate with disease severity in euthyroid patients with Alzheimer's disease. <i>Endocrine</i> , 2017, 55, 981-984.	1.1	21
2383	Development and validation of bioanalytical UHPLC-UV method for simultaneous analysis of unchanged fenofibrate and its metabolite fenofibric acid in rat plasma: Application to pharmacokinetics. <i>Saudi Pharmaceutical Journal</i> , 2017, 25, 128-135.	1.2	7
2384	Association of exposure to benzene and smoking with oxidative damage to nucleic acids by means of biological monitoring of general population volunteers. <i>Environmental Science and Pollution Research</i> , 2017, 24, 13885-13894.	2.7	25
2385	An LC-MS/MS methodological approach to the analysis of hair for amphetamine-type stimulant (ATS) drugs, including selected synthetic cathinones and piperazines. <i>Drug Testing and Analysis</i> , 2017, 9, 96-105.	1.6	51
2386	LC-HR-MS/MS standard urine screening approach: Pros and cons of automated on-line extraction by turbulent flow chromatography versus dilute-and-shoot and comparison with established urine precipitation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1043, 138-149.	1.2	20
2387	Determination of oxycodone and its major metabolites noroxycodone and oxymorphone by ultra-high-performance liquid chromatography tandem mass spectrometry in plasma and urine: application to real cases. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017, 55, 1324-1331.	1.4	16
2388	Determination of a broad spectrum of endocrine-disrupting pesticides in fish samples by UHPLC-MS/MS using the pass-through cleanup approach. <i>Journal of Separation Science</i> , 2017, 40, 1266-1272.	1.3	12
2389	Atmospheric Pressure Vaporization Mechanism for Coupling a Liquid Phase with Electron Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 2049-2056.	3.2	35
2390	The application of multiple analyte adduct formation in the LC-MS 3 analysis of valproic acid in human serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1040, 159-161.	1.2	16
2391	Development and validation of a liquid chromatography with tandem mass spectrometry method for the determination of nitroimidazole residues in beeswax. <i>Journal of Separation Science</i> , 2017, 40, 1158-1166.	1.3	11
2392	Simultaneous enantiomeric analysis of pharmacologically active compounds in environmental samples by chiral LC-MS/MS with a macrocyclic antibiotic stationary phase. <i>Journal of Mass Spectrometry</i> , 2017, 52, 94-108.	0.7	30
2393	Ultra-high performance liquid chromatography tandem mass spectrometry (UHPLC-MS/MS) for determination of GHB, precursors and metabolites in different specimens: Application to clinical and forensic cases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 137, 123-131.	1.4	48



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2394	Multiclass profiling of lipids of archaeological interest by ultra-high pressure liquid chromatography-atmospheric pressure chemical ionization-high resolution mass spectrometry. <i>Microchemical Journal</i> , 2017, 132, 49-58.	2.3	5
2395	A UPLC-MS/MS method for analysis of vancomycin in human cerebrospinal fluid and comparison with the chemiluminescence immunoassay. <i>Biomedical Chromatography</i> , 2017, 31, e3939.	0.8	10
2396	Application of carbon nanosorbent for PRiME pass-through cleanup of 10 selected local anesthetic drugs in human plasma samples. <i>Analytica Chimica Acta</i> , 2017, 960, 72-80.	2.6	16
2398	An LC-MS/MS method for the simultaneous determination of 15 antipsychotics and two metabolites in hair and its application to rat hair. <i>Forensic Science International</i> , 2017, 274, 91-98.	1.3	16
2399	Chiral determination of 3,4-methylenedioxypyrovalerone enantiomers in rat serum. <i>Analytical Methods</i> , 2017, 9, 609-617.	1.3	8
2400	Influence of P-glycoprotein on the disposition of fexofenadine and its enantiomers. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 69, 274-284.	1.2	12
2401	Quantification of EC-18, a synthetic monoacyldiglyceride (1-palmitoyl-2-linoleoyl-3-acetyl-rac-glycerol), in rat and mouse plasma by liquid-chromatography/tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 137, 155-162.	1.4	8
2402	A straightforward, validated liquid chromatography coupled to tandem mass spectrometry method for the simultaneous detection of nine drugs of abuse and their metabolites in hair and nails. <i>Analytica Chimica Acta</i> , 2017, 960, 101-109.	2.6	23
2403	Monitoring MDMA metabolites in urban wastewater as novel biomarkers of consumption. <i>Water Research</i> , 2017, 115, 1-8.	5.3	18
2404	A new sensitive LC/MS/MS analysis of vitamin D metabolites using a click derivatization reagent, 2-nitrosopyridine. <i>Journal of Lipid Research</i> , 2017, 58, 798-808.	2.0	25
2405	Determination of benzimidazoles in meat samples by capillary zone electrophoresis tandem mass spectrometry following dispersive liquid-liquid microextraction. <i>Journal of Chromatography A</i> , 2017, 1490, 212-219.	1.8	26
2406	The impact of ion-pairing reagents on the selectivity and sensitivity in the analysis of modified oligonucleotides in serum samples by liquid chromatography coupled with tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 138, 146-152.	1.4	36
2407	2,5-dimethoxy-4-chloroamphetamine, a LSD-like designer drug: Clinical and analytical documentation of non-fatal exposure in five patients. <i>Toxicologie Analytique Et Clinique</i> , 2017, 29, 82-89.	0.1	7
2408	Vortex-assisted surfactant-enhanced emulsification microextraction combined with LC-MS/MS for the determination of glucocorticoids in water with the aid of experimental design. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2905-2918.	1.9	10
2409	Novel liquid chromatography method based on linear weighted regression for the fast determination of isoprostane isomers in plasma samples using sensitive tandem mass spectrometry detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1051, 17-23.	1.2	16
2410	Simultaneous quantitation of endogenous estrone, 17 $\beta$ -estradiol, and estriol in human serum by isotope-dilution liquid chromatography-tandem mass spectrometry for clinical laboratory applications. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2627-2638.	1.9	19
2411	The effects of isotope-labeled analogs on the LC-IDMS measurement by comparison of ESI responses and matrix effect of melamine, 13C3-melamine, 13C3+15N3-melamine, and 15N3-melamine. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3233-3243.	1.9	8
2412	The incidence and distribution of ochratoxin A in Daqu, a Chinese traditional fermentation starter. <i>Food Control</i> , 2017, 78, 222-229.	2.8	12

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2413	Validation of a new method based on salting-out assisted liquid-liquid extraction and UHPLC-MS/MS for the determination of betalactam antibiotics in infant dairy products. <i>Talanta</i> , 2017, 167, 493-498.	2.9	33
2414	A novel LC-MS/MS method for the simultaneous quantification of topiramate and its main metabolites in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 138, 180-188.	1.4	7
2415	A simple and high-throughput method for determination and confirmation of 14 coccidiostats in poultry muscle and eggs using liquid chromatography - quadrupole linear ion trap - tandem mass spectrometry (HPLC-QqLIT-MS/MS): Validation according to European Union 2002/657/EC. <i>Talanta</i> , 2017, 168, 43-51.	2.9	48
2416	Novel UHPLC-MS/MS method for the determination of rotigotine in the plasma of patients with Parkinson's disease. <i>Biomedical Chromatography</i> , 2017, 31, e3944.	0.8	6
2417	Analysis of taxine B/isotaxine B in a plasma specimen by LC-MS/MS in a case of fatal poisoning: concealed suicide by ingestion of yew ( <i>Taxus L.</i> ) leaves of a patient with a long-term history of borderline personality disorder. <i>Forensic Toxicology</i> , 2017, 35, 421-427.	1.4	6
2418	Study on the abuse of amantadine in tissues of broiler chickens by HPLC-MS/MS. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2017, 40, 539-544.	0.6	8
2419	Simultaneous extraction and determination of monoamine neurotransmitters in human urine for clinical routine testing based on a dual functional solid phase extraction assisted by phenylboronic acid coupled with liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2859-2871.	1.9	18
2421	Immunoaffinity chromatography combined with tandem mass spectrometry: A new tool for the selective capture and analysis of brassinosteroid plant hormones. <i>Talanta</i> , 2017, 170, 432-440.	2.9	37
2422	Nanomaterial-based electrochemical sensors for detection of glucose and insulin. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2147-2166.	1.2	74
2423	Whole blood microsampling for the quantitation of estetrol without derivatization by liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 140, 258-265.	1.4	33
2424	Development, validation and application of a novel liquid chromatography tandem mass spectrometry assay measuring uracil, 5,6-dihydrouracil, 5-fluorouracil, 5,6-dihydro-5-fluorouracil, 1±-fluoro-1²-ureidopropionic acid and 1±-fluoro-1²-alanine in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 142, 125-135.	1.4	23
2425	Rapid LC-MS/MS determination of methylphosphonic acid in urine of rats exposed to organophosphorus nerve agents. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1058, 32-39.	1.2	21
2426	An atmospheric pressure ionization source using a high voltage target compared to electrospray ionization for the LC/MS analysis of pharmaceutical compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 142, 225-231.	1.4	15
2427	Novel dual VES phospholipid self-assembled liposomes with an extremely high drug loading efficiency. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 29-37.	2.5	7
2428	Development and validation of HPLC-MS/MS method for the determination of lixivaptan in mouse plasma and its application in a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2017, 31, e4007.	0.8	6
2429	Multiresidue method for identification and quantification of avermectins, benzimidazoles and nitroimidazoles residues in bovine muscle tissue by ultra-high performance liquid chromatography tandem mass spectrometry (UHPLC-MS/MS) using a QuEChERS approach. <i>Talanta</i> , 2017, 171, 307-320.	2.9	38
2430	Simultaneous determination of selective serotonin reuptake inhibitors and their main metabolites in human breast milk by liquid chromatography-electrospray mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1057, 101-109.	1.2	19
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2437	Rapid and highly sensitive analysis of benzodiazepines and tandospirone in human plasma by automated on-line column-switching UFLC-MS/MS. Legal Medicine, 2017, 24, 36-55.	0.6	11
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2452	Determination of steroid hormones in fish tissues by microwave-assisted extraction coupled to ultra-high performance liquid chromatography tandem mass spectrometry. <i>Food Chemistry</i> , 2017, 237, 1012-1020.	4.2	46
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2455	Comparative metabolomic analysis of HPAC cells following the acquisition of erlotinib resistance. <i>Oncology Letters</i> , 2017, 13, 3437-3444.	0.8	10
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2461	Measurement of Clozapine, Norclozapine, and Amisulpride in Plasma and in Oral Fluid Obtained Using 2 Different Sampling Systems. <i>Therapeutic Drug Monitoring</i> , 2017, 39, 109-117.	1.0	9
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2464	Ultra-performance liquid chromatography tandem mass spectrometry for determination of Direct Acting Antiviral drugs in human liver fine needle aspirates. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1052, 103-109.	1.2	14
2465	Determination of AB-CHMINACA and its metabolites in human hair and their deposition in hair of abusers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 140, 162-168.	1.4	16
2466	High-throughput screening for drugs of abuse and pharmaceutical drugs in hair by liquid-chromatography-high resolution mass spectrometry (LC-HRMS). <i>Microchemical Journal</i> , 2017, 133, 302-310.	2.3	40
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2475	Quantification of Acetaminophen and Its Metabolites in Plasma Using UPLC-MS: Doors Open to Therapeutic Drug Monitoring in Special Patient Populations. <i>Therapeutic Drug Monitoring</i> , 2017, 39, 164-171.	1.0	25
2476	Comparison of Plasma, Saliva, and Hair Levetiracetam Concentrations. <i>Therapeutic Drug Monitoring</i> , 2017, 39, 263-268.	1.0	11
2477	Signal Enhancement in the HPLC-ESI-MS/MS analysis of spironolactone and its metabolites using HFIP and NH <sub>4</sub> F as eluent additives. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3145-3151.	1.9	28
2478	LC-MS/MS assay for quantitation of enalapril and enalaprilat in plasma for bioequivalence study in Indian subjects. <i>Future Science OA</i> , 2017, 3, FSO165.	0.9	9
2479	Parallel artificial liquid membrane extraction of new psychoactive substances in plasma and whole blood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1048, 77-84.	1.2	29
2480	Simultaneous assay of multiple antibiotics in human plasma by LC-MS/MS: importance of optimizing formic acid concentration. <i>Bioanalysis</i> , 2017, 9, 469-483.	0.6	22
2481	Liquid chromatography-high resolution-tandem mass spectrometry using Orbitrap technology for comprehensive screening to detect drugs and their metabolites in blood plasma. <i>Analytica Chimica Acta</i> , 2017, 965, 83-95.	2.6	60
2482	Multiresidue determination of estrogens in different dairy products by ultra-high-performance liquid chromatography triple quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1496, 58-67.	1.8	25
2483	Large-scale multi-class herbicides analysis in oilseeds by rapid one-step QuEChERS-based extraction and cleanup method using liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2017, 230, 411-422.	4.2	28
2484	Rapid quantification of free and glucuronidated THCCOOH in urine using coated well plates and LC-MS/MS analysis. <i>Bioanalysis</i> , 2017, 9, 485-496.	0.6	10
2485	The why and how of amino acid analytics in cancer diagnostics and therapy. <i>Journal of Biotechnology</i> , 2017, 242, 30-54.	1.9	48
2486	Metabolite fingerprinting of <i>Punica granatum</i> L. (pomegranate) polyphenols by means of high-performance liquid chromatography with diode array and electrospray ionization-mass spectrometry detection. <i>Journal of Chromatography A</i> , 2017, 1480, 20-31.	1.8	54



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2488	Revisiting quick, easy, cheap, effective, rugged, and safe parameters for sample preparation in pesticide residue analysis of lettuce by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1482, 11-22.	1.8	36
2489	Simultaneous analysis of kasugamycin and validamycin-A in fruits and vegetables using liquid chromatography-tandem mass spectrometry and consecutive solid-phase extraction. <i>Analytical Methods</i> , 2017, 9, 634-642.	1.3	11
2490	Capillary electrophoresis-tandem mass spectrometry combined with molecularly imprinted solid phase extraction as useful tool for the monitoring of 5-nitroimidazoles and their metabolites in urine samples. <i>Talanta</i> , 2017, 163, 111-120.	2.9	17
2491	Quantification of the 3 $\beta$ and 3 $\alpha$ epimers of 25-hydroxyvitamin D3 in dried blood spots by LC-MS/MS using artificial whole blood calibration and chemical derivatization. <i>Talanta</i> , 2017, 165, 398-404.	2.9	20
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2494	Calibrant-Free Analyte Quantitation via a Variable Velocity Flow Cell. <i>Analytical Chemistry</i> , 2017, 89, 1147-1154.	3.2	5
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2496	A sensitive LC-MS/MS method for the quantification of regioisomers of epoxyeicosatrienoic and dihydroxyeicosatrienoic acids in human plasma during endothelial stimulation. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1845-1855.	1.9	18
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2498	Evaluation of a new modified QuEChERS method for the monitoring of carbamate residues in high-fat cheeses by using UHPLC-MS/MS. <i>Journal of Separation Science</i> , 2017, 40, 488-496.	1.3	18
2499	Steroid hormones. , 2017, , 205-230.		3
2500	Determination of cortisol in lake sturgeon ( <i>Acipenser fulvescens</i> ) eggs by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1040, 162-168.	1.2	6
2501	Optimized Method to Quantify Dopamine Turnover in the Mammalian Retina. <i>Analytical Chemistry</i> , 2017, 89, 12276-12283.	3.2	13
2502	A molybdenum disulfide/reduced graphene oxide fiber coating coupled with gas chromatography-mass spectrometry for the saponification-headspace solid-phase microextraction of polychlorinated biphenyls in food. <i>Journal of Chromatography A</i> , 2017, 1525, 42-50.	1.8	39
2503	Method performance and clinical workflow outcomes associated with meconium and umbilical cord toxicology testing. <i>Clinical Biochemistry</i> , 2017, 50, 1093-1097.	0.8	15
2504	A simple ultra-high-performance liquid chromatography-high resolution mass spectrometry assay for the simultaneous quantification of 15 antibiotics in plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1065-1066, 50-58.	1.2	60

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2506	Optimizing extraction and analysis of pharmaceuticals in human urine, struvite, food crops, soil, and lysimeter water by liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2017, 9, 5952-5962.	1.3	14
2507	Determination of total and unbound docetaxel in plasma by ultrafiltration and UPLC-MS/MS: application to pharmacokinetic studies. <i>Scientific Reports</i> , 2017, 7, 14609.	1.6	3
2508	Studies on Para-Methoxymethamphetamine (PMMA) Metabolite Pattern and Influence of CYP2D6 Genetics in Human Liver Microsomes and Authentic Samples from Fatal PMMA Intoxications. <i>Drug Metabolism and Disposition</i> , 2017, 45, 1326-1335.	1.7	3
2509	Multivariate optimization of a microextraction by packed sorbent-programmed temperature vaporization-gas chromatography-tandem mass spectrometry method for organophosphate flame retardant analysis in environmental aqueous matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 7105-7120.	1.9	15
2510	Paper Spray Ionization Coupled to High Resolution Tandem Mass Spectrometry for Comprehensive Urine Drug Testing in Comparison to Liquid Chromatography-Coupled Techniques after Urine Precipitation or Dried Urine Spot Workup. <i>Analytical Chemistry</i> , 2017, 89, 11779-11786.	3.2	51
2511	Identification of the Synthetic Cannabinoid 1-(4-cyanobutyl)-N-(2-phenylpropan-2-yl)-1H-indazole-3-carboxamide (CUMYL-4CN-BINACA) in Plant Material and Quantification in Post-Mortem Blood Samples. <i>Journal of Analytical Toxicology</i> , 2017, 41, 720-728.	1.7	23
2512	An LC-MS Assay with Isocratic Separation and On-Line Solid Phase Extraction to Improve the Routine Therapeutic Drug Monitoring of Busulfan in Plasma. <i>Journal of Medical Biochemistry</i> , 2017, 36, 113-121.	0.7	4
2513	Quantification of steroid hormones in human serum by liquid chromatography-high resolution tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1526, 112-118.	1.8	42
2514	A fast and simple method for simultaneous measurements of 25(OH)D, 24,25(OH) 2 D and the Vitamin D Metabolite Ratio (VMR) in serum samples by LC-MS/MS. <i>Clinica Chimica Acta</i> , 2017, 473, 116-123.	0.5	38
2515	Effects of liquid post-column addition in electrospray ionization performance in supercritical fluid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1517, 176-184.	1.8	43
2516	Development of a validated LC- MS/MS method for the quantification of 19 endogenous asthma/COPD potential urinary biomarkers. <i>Analytica Chimica Acta</i> , 2017, 989, 45-58.	2.6	33
2517	Comprehensive determination of flavouring additives and nicotine in e-cigarette refill solutions. Part II: Gas-chromatography-mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2017, 1517, 156-164.	1.8	27
2518	Simultaneous measurement of whole blood vitamin B1 and vitamin B6 using LC-ESI-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1063, 67-73.	1.2	25
2519	Human bone marrow as a tissue in post-mortem identification and determination of psychoactive Substances- Screening methodology. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 459-467.	1.2	20
2520	LC-MS/MS based method development for the analysis of florfenicol and its application to estimate relative distribution in various tissues of broiler chicken. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1063, 163-173.	1.2	25
2521	Assessment of simpler calibration models in the development and validation of a fast postmortem multi-analyte LC-QTOF quantitation method in whole blood with simultaneous screening capabilities using SWATH acquisition. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6495-6508.	1.9	8
2522	Liquid chromatography-tandem mass spectrometry multiresidue method for the analysis of quaternary ammonium compounds in cheese and milk products: Development and validation using the total error approach. <i>Journal of Chromatography A</i> , 2017, 1517, 86-96.	1.8	21

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2524	Identification of antibiotics in wastewater: current state of extraction protocol and future perspectives. <i>Journal of Water and Health</i> , 2017, 15, 982-1003.	1.1	17
2525	Performance comparison of dispersive solid-phase extraction and multiplug filtration cleanup methods for the determination of tefuryltrione in plant and environmental samples using UHPLC-MS/MS. <i>Journal of Separation Science</i> , 2017, 40, 4420-4430.	1.3	3
2526	Development and validation of a high-throughput method for determination of nine fluoroquinolones residues in muscle of different animal species by liquid chromatography coupled to tandem mass spectrometry with low temperature clean up. <i>Journal of Chromatography A</i> , 2017, 1521, 131-139.	1.8	22
2527	An atmospheric pressure chemical ionisation liquid chromatographic-tandem mass spectrometry method for the analysis of benzodiazepines in urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1064, 22-27.	1.2	12
2528	Simultaneous determination of ethyl carbamate and urea in Korean rice wine by ultra-performance liquid chromatography coupled with mass spectrometric detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1065-1066, 44-49.	1.2	9
2529	Design of Multifunctional Nanostructure for Ultrafast Extraction and Purification of Aflatoxins in Foodstuffs. <i>Analytical Chemistry</i> , 2017, 89, 10556-10564.	3.2	26
2530	Imatinib quantification in human serum with LC-MS3 as an effective way of protein kinase inhibitor analysis in biological matrices. <i>Drug Metabolism and Personalized Therapy</i> , 2017, 32, 147-150.	0.3	5
2531	Matrix effect management in liquid chromatography mass spectrometry: the internal standard normalized matrix effect. <i>Bioanalysis</i> , 2017, 9, 1093-1105.	0.6	69
2532	Lacking linearity in quantitative stable-isotope LC-MS/MS measurement of F2-isoprostanes is an irrefutable indicator of analytical inadequacy. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1064, 139-142.	1.2	4
2533	Simultaneous determination of pentoxifylline, metabolites M1 (lisofylline), M4 and M5, and caffeine in plasma and dried blood spots for pharmacokinetic studies in preterm infants and neonates. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 146, 302-313.	1.4	13
2535	Identification and characterization of vilazodone metabolites in rats and microsomes by ultrahigh-performance liquid chromatography/quadrupole time-of-flight tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1974-1984.	0.7	13
2536	Evaluation of N -acetyltaurine as an ethanol marker in human blood. <i>Alcohol</i> , 2017, 65, 11-18.	0.8	4
2537	The analysis of 132 novel psychoactive substances in human hair using a single step extraction by tandem LC/MS. <i>Forensic Science International</i> , 2017, 279, 192-202.	1.3	85
2538	A Low-cost, Highly-stable Surface Enhanced Raman Scattering Substrate by Si Nanowire Arrays Decorated with Au Nanoparticles and Au Backplate. <i>Scientific Reports</i> , 2017, 7, 4604.	1.6	16
2539	Comprehensive solid-phase extraction of multitudinous bioactive peptides from equine plasma and urine for doping detection. <i>Analytica Chimica Acta</i> , 2017, 985, 79-90.	2.6	17
2540	Development and validation of an LC-MS/MS method for simultaneous quantification of hesperidin and hesperetin in rat plasma for pharmacokinetic studies. <i>Analytical Methods</i> , 2017, 9, 3329-3337.	1.3	17
2541	Development of a fast and cost-effective gas chromatography-mass spectrometry method for the quantification of short-chain and medium-chain fatty acids in human biofluids. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5555-5567.	1.9	61

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2543	Development of a LC-MS/MS method for the determination of CKD-712 in rat plasma: Application to a pharmacokinetic study in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 123-127.	1.2	0
2544	Dried Blood Spots Combined With Ultra-High-Performance Liquid Chromatography-Mass Spectrometry for the Quantification of the Antipsychotics Risperidone, Aripiprazole, Pipamperone, and Their Major Metabolites. <i>Therapeutic Drug Monitoring</i> , 2017, 39, 429-440.	1.0	22
2545	LC-MS determination of triazolam and its hydroxy metabolites in mouse dried blood spots: application to transgenic mouse pharmacokinetic studies. <i>Bioanalysis</i> , 2017, 9, 987-1000.	0.6	8
2546	An LC-MS/MS based candidate reference method for the quantification of carbamazepine in human serum. <i>Clinica Chimica Acta</i> , 2017, 472, 35-40.	0.5	23
2548	Coupling sweeping-micellar electrokinetic chromatography with tandem mass spectrometry for the therapeutic monitoring of benzimidazoles in animal urine by dilute and shoot. <i>Talanta</i> , 2017, 175, 542-549.	2.9	15
2549	LC-MS/MS method for preclinical pharmacokinetic study of QX-OH, a novel long-acting local anesthetic, in sciatic nerve blockade in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 146, 161-167.	1.4	7
2550	Free amino acids in the Arctic snow and ice core samples: Potential markers for paleoclimatic studies. <i>Science of the Total Environment</i> , 2017, 607-608, 454-462.	3.9	21
2551	Reliable and Easy-To-Use Liquid Chromatography-Tandem Mass Spectrometry Method for Simultaneous Analysis of Fluconazole, Isavuconazole, Itraconazole, Hydroxy-Itraconazole, Posaconazole, and Voriconazole in Human Plasma and Serum. <i>Therapeutic Drug Monitoring</i> , 2017, 39, 505-513.	1.0	17
2552	Development and validation of a high-performance liquid chromatography-tandem mass spectrometry method to quantify LY354,740 in rat and marmoset plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 392-398.	1.2	12
2553	A fast and sensitive LC-MS/MS method for the quantification of fosfomycin in human urine and plasma using one sample preparation method and HILIC chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 263-269.	1.2	33
2554	An LC/MS/MS method for quantitation of chemopreventive sphingadienes in food products and biological samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 292-299.	1.2	6
2555	Side-chain fluorinated polymer surfactants in aquatic sediment and biosolid-augmented agricultural soil from the Great Lakes basin of North America. <i>Science of the Total Environment</i> , 2017, 607-608, 262-270.	3.9	37
2556	Dependence of matrix effect on ionization polarity during LC-ESI-MS analysis of derivatized amino acids in some natural samples. <i>European Journal of Mass Spectrometry</i> , 2017, 23, 245-253.	0.5	12
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2567	Rapid Determination of Aconitum Alkaloids from Human Urine by UHPLC-HRMS. <i>Journal of Analytical Toxicology</i> , 2017, 41, 611-617.	1.7	5
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2671	A review of the pharmaceutical exposome in aquatic fauna. <i>Environmental Pollution</i> , 2018, 239, 129-146.	3.7	189
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2673	Simultaneous determination of multi-residue and multi-class antibiotics in aquaculture shrimps by UPLC-MS/MS. <i>Food Chemistry</i> , 2018, 260, 336-343.	4.2	55
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2682	Multiresidue analysis of oestrogenic compounds in cow, goat, sheep and human milk using core-shell polydopamine coated magnetic nanoparticles as extraction sorbent in micro-dispersive solid-phase extraction followed by ultra-high-performance liquid chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2031-2042.	1.9	32
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2684	Metabolites of Heroin in Several Different Post-mortem Matrices. <i>Journal of Analytical Toxicology</i> , 2018, 42, 311-320.	1.7	21
2685	Current state and recommendations for harmonization of serum/plasma 17-hydroxyprogesterone mass spectrometry methods. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, 1685-1697.	1.4	14
2686	A mixed-mode chromatographic separation method for the analysis of dialkyl phosphates. <i>Journal of Chromatography A</i> , 2018, 1535, 63-71.	1.8	16
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2689	SUPRAS extraction approach for matrix-independent determination of amphetamine-type stimulants by LC-MS/MS. <i>Talanta</i> , 2018, 182, 574-582.	2.9	46
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2691	Evaluation of a new simple collection device for sampling of microparticles in exhaled breath. <i>Journal of Breath Research</i> , 2018, 12, 036005.	1.5	16
2692	Multiresidue determination of antibiotics in preserved eggs using a QuEChERS-based procedure by ultrahigh-performance liquid chromatography tandem mass spectrometry. <i>Acta Chromatographica</i> , 2018, 30, 9-16.	0.7	8
2693	Validation of a fully automated solid-phase extraction and ultra-high-performance liquid chromatography-tandem mass spectrometry method for quantification of 30 pharmaceuticals and metabolites in post-mortem blood and brain samples. <i>Drug Testing and Analysis</i> , 2018, 10, 1147-1157.	1.6	24
2694	Simultaneous determination of clonidine, dichlorvos, and naftazone in pork, beef, chicken, milk, and egg using liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2018, 252, 40-48.	4.2	13
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2696	Design of pH-Responsive Polymer Monolith Based on Cyclodextrin Vesicle for Capture and Release of Myoglobin. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 5909-5917.	4.0	24
2697	Influence of para-aminohippuric acid analysis on net portal-drained viscera flux of nutrients in pigs. <i>Animal</i> , 2018, 12, 232-238.	1.3	5
2698	Determination of dolutegravir's unbound fraction in human plasma using validated equilibrium dialysis and LC-MS/MS methods. <i>Clinica Chimica Acta</i> , 2018, 479, 56-65.	0.5	13
2699	Formation of phosphatidylethanol from endogenous phosphatidylcholines in animal tissues from pig, calf, and goat. <i>Forensic Science International</i> , 2018, 283, 211-218.	1.3	9
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2708	Simultaneous determination of voriconazole, posaconazole, itraconazole and hydroxy-itraconazole in human plasma using LCMS/MS. <i>Clinical Biochemistry</i> , 2018, 53, 110-115.	0.8	17
2709	A sensitive and selective immunoaffinity column clean up coupled to UPLC-MS/MS for determination of trace methyl-3-quinoline-2-carboxylic acid in animal tissues. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1074-1075, 39-45.	1.2	7
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2715	Simultaneous quantification of nicotinamide mononucleotide and related pyridine compounds in mouse tissues by UHPLC-MS/MS. <i>Separation Science Plus</i> , 2018, 1, 22-30.	0.3	11
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2718	Chiral Analysis of Methamphetamine in Oral Fluid Samples: A Method to Distinguish Licit from Illicit Drug Use. <i>Journal of Analytical Toxicology</i> , 2018, 42, 25-32.	1.7	14
2719	Development and validation of LC-MS/MS method for simultaneous determination of sofosbuvir and daclatasvir in human Plasma: Application to pharmacokinetic study. <i>Biomedical Chromatography</i> , 2018, 32, e4186.	0.8	34
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2722	A novel sample preparation procedure for effect-directed analysis of micro-contaminants of emerging concern in surface waters. <i>Talanta</i> , 2018, 186, 527-537.	2.9	15
2723	Simultaneous Determination of 13 Anticoagulant Rodenticides in Human Blood by Liquid Chromatography-Tandem Mass Spectrometry and its Application in Three Poisoning Cases. <i>Journal of Forensic Sciences</i> , 2018, 63, 784-792.	0.9	7
2724	Suitability of feathers as control matrix for antimicrobial treatments detection compared to muscle and liver of broilers. <i>Food Control</i> , 2018, 91, 268-275.	2.8	22

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2726	The contribution of lot-to-lot variation to the measurement uncertainty of an LC-MS-based multi-mycotoxin assay. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4409-4418.	1.9	28
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2730	Determination of dehydroepiandrosterone and its biologically active oxygenated metabolites in human plasma evinces a hormonal imbalance during HIV-TB coinfection. <i>Scientific Reports</i> , 2018, 8, 6692.	1.6	6
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2732	Fast determination of fipronil and its metabolites in seafood using PRiME pass-through cleanup followed by isotope dilution UHPLC-MS/MS. <i>Analytical Methods</i> , 2018, 10, 1673-1679.	1.3	26
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2734	Development of a new analytical tool for assessing the mutagen 2-methyl-1,4-dinitro-pyrrole in meat products by LC-ESI-MS/MS. <i>Talanta</i> , 2018, 185, 151-159.	2.9	10
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2736	Quantitation of saxitoxin in human urine using immunocapture extraction and LC-MS. <i>Bioanalysis</i> , 2018, 10, 229-239.	0.6	10
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2738	Synthesis and application of molecularly imprinted silica for the selective extraction of some polar organophosphorus pesticides from almond oil. <i>Analytica Chimica Acta</i> , 2018, 1018, 35-44.	2.6	29
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2740	Quantification of Idelalisib in Human Plasma by Ultra-Performance Liquid Chromatography Coupled to Mass Spectrometry in Negative Ionization Mode. <i>Therapeutic Drug Monitoring</i> , 2018, 40, 237-244.	1.0	7
2741	Simple screening procedure for 72 synthetic cannabinoids in whole blood by liquid chromatography-tandem mass spectrometry. <i>Forensic Toxicology</i> , 2018, 36, 280-290.	1.4	26
2742	Three-dimensional ionic liquid-ferrite functionalized graphene oxide nanocomposite for pipette-tip solid phase extraction of 16 polycyclic aromatic hydrocarbons in human blood sample. <i>Journal of Chromatography A</i> , 2018, 1552, 1-9.	1.8	58

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2744	mRNA transfection retrofits cell-based assays with xenobiotic metabolism. <i>Journal of Pharmacological and Toxicological Methods</i> , 2018, 92, 77-94.	0.3	31
2745	Development of a fast and simple gas chromatographic protocol based on the combined use of alkyl chloroformate and solid phase microextraction for the assay of polyamines in human urine. <i>Journal of Chromatography A</i> , 2018, 1549, 1-13.	1.8	35
2746	Optimization of a modified QuEChERS method for the determination of tetracyclines in fish muscle by UHPLC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 155, 27-32.	1.4	41
2747	Simultaneous determination of quercetin and its metabolites in rat plasma by using ultra-high performance liquid chromatography tandem mass spectrometry. <i>Talanta</i> , 2018, 185, 71-79.	2.9	30
2748	Plasma phospholipid profiling of a mouse model of anxiety disorder by hydrophilic interaction liquid chromatography coupled to high-resolution mass spectrometry. <i>Biomedical Chromatography</i> , 2018, 32, e4202.	0.8	2
2749	How much separation for LC-MS/MS quantitative bioanalysis of drugs and metabolites?. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1084, 23-35.	1.2	7
2750	Development of a rapid liquid chromatography tandem mass spectrometry method for the quantitation of serum dexamethasone and its clinical verification. <i>Annals of Clinical Biochemistry</i> , 2018, 55, 665-672.	0.8	21
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2752	Determination of 21 antibiotics in sea cucumber using accelerated solvent extraction with in-cell clean-up coupled to ultra-performance liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2018, 258, 87-94.	4.2	27
2753	A rapid low-consuming solvent extraction procedure for simultaneous determination of 34 multiclass pesticides associated to respirable atmospheric particulate matter (PM <sub>2.5</sub> ) by GC-MS. <i>Microchemical Journal</i> , 2018, 139, 424-436.	2.3	34
2754	Distribution of POPs, pesticides and antibiotic residues in organic honeys from different production areas. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 1340-1355.	1.1	32
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2757	Simple and rapid determination of 5-nitroimidazoles and metabolites in fish roe samples by salting-out assisted liquid-liquid extraction and UHPLC-MS/MS. <i>Food Chemistry</i> , 2018, 252, 294-302.	4.2	26
2758	Quantification of the next-generation oral anti-tumor drugs dabrafenib, trametinib, vemurafenib, cobimetinib, pazopanib, regorafenib and two metabolites in human plasma by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1083, 124-136.	1.2	31
2759	Resolution of co-eluting isomers of anti-inflammatory drugs conjugated to carbonic anhydrase inhibitors from plasma in liquid chromatography by energy-resolved tandem mass spectrometry. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 671-679.	2.5	21
2760	Identification of 5-Fluoro ADB in Human Whole Blood in Four Death Cases. <i>Journal of Analytical Toxicology</i> , 2018, 42, e21-e25.	1.7	27



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2761	Determination of Acetaminophen, Dexchlorpheniramine, Caffeine, Cotinine and Salicylic acid in 100 $\mu$ L of Whole Blood by UHPLC-MS/MS. <i>Journal of Analytical Toxicology</i> , 2018, 42, 126-132.	1.7	7
2762	Determination of Aromatic Microbial Metabolites in Blood Serum by Gas Chromatography-Mass Spectrometry. <i>Journal of Analytical Chemistry</i> , 2018, 73, 160-166.	0.4	21
2763	Pyrethroid insecticides and their environmental degradates in repeated duplicate-diet solid food samples of 50 adults. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2018, 28, 40-45.	1.8	41
2764	Determination of salivary $\alpha$ -amylase and cortisol in psoriatic subjects undergoing the Trier Social Stress Test. <i>Microchemical Journal</i> , 2018, 136, 177-184.	2.3	38
2765	Optimization of recombinant $\beta$ -glucuronidase hydrolysis and quantification of eight urinary cannabinoids and metabolites by liquid chromatography tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2018, 10, 518-529.	1.6	22
2766	Identification and quantification of predominant metabolites of synthetic cannabinoid MAB-CHMINACA in an authentic human urine specimen. <i>Drug Testing and Analysis</i> , 2018, 10, 365-371.	1.6	15
2767	Development and validation of an LC-MS/MS method to quantify lysergic acid diethylamide (LSD), iso-LSD, 2-Oxo-3-hydroxy-LSD, and nor-LSD and identify novel metabolites in plasma samples in a controlled clinical trial. <i>Journal of Clinical Laboratory Analysis</i> , 2018, 32, .	0.9	23
2768	Synthesis of magnetic graphene/mesoporous silica composites with boronic acid-functionalized pore-walls for selective and efficient residue analysis of aminoglycosides in milk. <i>Food Chemistry</i> , 2018, 239, 612-621.	4.2	50
2769	Development and validation of a high-performance liquid chromatography method for the quantification of talazoparib in rat plasma: Application to plasma protein binding studies. <i>Biomedical Chromatography</i> , 2018, 32, e4046.	0.8	10
2770	UPLC-MS/MS method for therapeutic drug monitoring of 10 antibiotics used in intensive care units. <i>Drug Testing and Analysis</i> , 2018, 10, 584-591.	1.6	27
2771	Occurrence of antibiotics in mussels and clams from various FAO areas. <i>Food Chemistry</i> , 2018, 240, 16-23.	4.2	58
2772	Study of the <i>in vitro</i> and <i>in vivo</i> metabolism of the tryptamine 5-MeO-MIPT using human liver microsomes and real case samples. <i>Drug Testing and Analysis</i> , 2018, 10, 562-574.	1.6	23
2773	Human Toxicity Caused by Indole and Indazole Carboxylate Synthetic Cannabinoid Receptor Agonists: From Horizon Scanning to Notification. <i>Clinical Chemistry</i> , 2018, 64, 346-354.	1.5	23
2774	Matrix-effect free multi-residue analysis of veterinary drugs in food samples of animal origin by nanoflow liquid chromatography high resolution mass spectrometry. <i>Food Chemistry</i> , 2018, 245, 29-38.	4.2	53
2775	Development and validation of an LC tandem MS assay for the quantification of $\beta$ -lactam antibiotics in the sputum of cystic fibrosis patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 95-101.	1.3	3
2776	Simultaneous determination of three pesticides and their metabolites in unprocessed foods using ultraperformance liquid chromatography-tandem mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 273-281.	1.1	20
2777	High Throughput UPLC-MSMS Method for the Analysis of Phosphatidylethanol (PEth) 16:0/18:1, a Specific Biomarker for Alcohol Consumption, in Whole Blood. <i>Journal of Analytical Toxicology</i> , 2018, 42, 33-41.	1.7	23
2778	A combined liquid chromatography tandem mass spectrometry assay for the quantification of urinary oxalate and citrate in patients with nephrolithiasis. <i>Annals of Clinical Biochemistry</i> , 2018, 55, 461-468.	0.8	10

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2779	Simultaneous Quantification of 5-Aminoimidazole-4-Carboxamide-1- $\beta$ -D-ribofuranoside and Its Active Metabolite 5-Aminoimidazole-4-Carboxamide-1- $\beta$ -D-ribofuranoside in Mice Plasma by LC-MS/MS. <i>Chromatographia</i> , 2018, 81, 157-165.	0.7	1
2780	Study of pharmaceuticals in surface and wastewater from Cuernavaca, Morelos, Mexico: Occurrence and environmental risk assessment. <i>Science of the Total Environment</i> , 2018, 613-614, 1263-1274.	3.9	263
2781	Simultaneous determination of three estrogens in human saliva without derivatization or liquid-liquid extraction for routine testing via miniaturized solid phase extraction with LC-MS/MS detection. <i>Talanta</i> , 2018, 178, 464-472.	2.9	38
2782	Simultaneous determination of fluoxetine and norfluoxetine in dried blood spots using high-performance liquid chromatography-tandem mass spectrometry. <i>Clinical Biochemistry</i> , 2018, 52, 85-93.	0.8	19
2783	A simple validated multi-analyte method for detecting drugs in oral fluid by ultra-performance liquid chromatography-tandem mass spectrometry (UPLC-MS/MS). <i>Drug Testing and Analysis</i> , 2018, 10, 1001-1008.	1.6	10
2784	Occurrence and diversity of antibiotic resistance in untreated hospital wastewater. <i>Science of the Total Environment</i> , 2018, 621, 990-999.	3.9	189
2785	Fast derivatization procedure for the analysis of phytoestrogens in soy milk by gas chromatography tandem mass spectrometry. <i>Microchemical Journal</i> , 2018, 137, 62-70.	2.3	7
2786	A multi-purpose tool for food inspection: Simultaneous determination of various classes of preservatives and biogenic amines in meat and fish products by LC-MS. <i>Talanta</i> , 2018, 178, 1053-1066.	2.9	64
2787	Application of a screening method for fentanyl and its analogues using UHPLC-QTOF-MS with data-independent acquisition (DIA) in MS <sup>E</sup> mode and retrospective analysis of authentic forensic blood samples. <i>Drug Testing and Analysis</i> , 2018, 10, 651-662.	1.6	57
2788	Chitosan from shrimp shells: A renewable sorbent applied to the clean-up step of the QuEChERS method in order to determine multi-residues of veterinary drugs in different types of milk. <i>Food Chemistry</i> , 2018, 240, 1243-1253.	4.2	51
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2791	<i>Aronia</i> and <i>citrus</i> juice (polyphenol-rich juice) intake and elite triathlon training: a lipidomic approach using representative oxylipins in urine. <i>Food and Function</i> , 2018, 9, 463-475.	2.1	33
2792	Detection of perfluoroalkyl acids and sulphonates in Italian eel samples by HPLC-HRMS Orbitrap. <i>Chemosphere</i> , 2018, 193, 358-364.	4.2	28
2793	Ultra-fast LC-MS/MS in therapeutic drug monitoring: Quantification of clozapine and norclozapine in human plasma. <i>Drug Testing and Analysis</i> , 2018, 10, 323-329.	1.6	20
2794	Challenges in Detection of Antibiotics in Wastewater Matrix. <i>Energy, Environment, and Sustainability</i> , 2018, , 3-20.	0.6	17
2795	Direct analysis of ethylene glycol in human serum on the basis of analyte adduct formation and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1072, 100-104.	1.2	10
2796	Aptamer-Conjugated Extracellular Nanovesicles for Targeted Drug Delivery. <i>Cancer Research</i> , 2018, 78, 798-808.	0.4	181

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2797	Investigating the robustness and extraction performance of a matrix-compatible solid-phase microextraction coating in human urine and its application to assess 26-ring polycyclic aromatic hydrocarbons using GC-MS/MS. <i>Journal of Separation Science</i> , 2018, 41, 929-939.	1.3	25
2798	Characterization of inter-tissue and inter-strain variability of TCE glutathione conjugation metabolites DCVG, DCVC, and NAcDCVC in the mouse. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2018, 81, 37-52.	1.1	19
2799	Utilization of large volume zwitterionic hydrophilic interaction liquid chromatography for the analysis of polar pharmaceuticals in aqueous environmental samples: Benefits and limitations. <i>Journal of Chromatography A</i> , 2018, 1535, 27-43.	1.8	49
2800	The Magic of Crystal Structure-Based Inhibitor Optimization: Development of a Butyrylcholinesterase Inhibitor with Picomolar Affinity and in Vivo Activity. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 119-139.	2.9	112
2801	Thermal degradation of chloramphenicol in model solutions, spiked tissues and incurred samples. <i>Food Chemistry</i> , 2018, 248, 230-237.	4.2	14
2802	LC-MS/MS screening strategy for cannabinoids, opiates, amphetamines, cocaine, benzodiazepines and methadone in human serum, urine and post-mortem blood as an effective alternative to immunoassay based methods applied in forensic toxicology for preliminary examination. <i>Forensic Chemistry</i> , 2018, 7, 33-37.	1.7	25
2803	Development of a LC-MS/MS method for the determination of isomeric glutamyl peptides in food ingredients. <i>Journal of Separation Science</i> , 2018, 41, 847-855.	1.3	9
2804	Development and validation of an UHPLC-MS/MS method for $\beta$ -agonists quantification in human urine and application to clinical samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 150, 15-24.	1.4	9
2805	Ultra-High Performance Liquid Chromatography Tandem Mass Spectrometry for Cyclosporine Analysis in Human Whole Blood and Comparison With an Antibody-Conjugated Magnetic Immunoassay. <i>Therapeutic Drug Monitoring</i> , 2018, 40, 69-75.	1.0	7
2806	The role of ethyl glucuronide in supporting medico-legal investigations: Analysis of this biomarker in different postmortem specimens from 21 selected autopsy cases. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2018, 53, 25-30.	0.5	10
2807	Development and validation of an ultrahigh performance liquid chromatography-high resolution tandem mass spectrometry quantification method for hypoglycin A and methylene cyclopropyl acetic acid carnitine in horse serum in cases of atypical myopathy. <i>Drug Testing and Analysis</i> , 2018, 10, 814-820.	1.6	5
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2811	Rapid determination of immunosuppressive drug concentrations in whole blood by coated blade spray-tandem mass spectrometry (CBS-MS/MS). <i>Analytica Chimica Acta</i> , 2018, 999, 69-75.	2.6	49
2812	The effect of hematocrit on solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2018, 1001, 40-50.	2.6	20
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2819	HPLC-APCI-MS/MS method development and validation for determination of tocotrienols in human breast adipose tissue. <i>Talanta</i> , 2018, 176, 108-115.	2.9	9
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2840	Sensitive determination of nine anticoagulant rodenticides in blood by high resolution mass spectrometry with supported liquid extraction pretreatment. <i>Forensic Science International</i> , 2018, 292, 39-44.	1.3	15
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2851	The risk of consuming -Bath Salts- Exemplification through four forensic cases in Spain. <i>Forensic Chemistry</i> , 2018, 11, 87-96.	1.7	3



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2853	Effects of anticoagulants and storage conditions on clinical oxylipid levels in human plasma. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 1511-1522.	1.2	38
2854	Identification and confirmation of diuretics and masking agents in urine by turbulent flow online solid-phase extraction coupled with liquid chromatography-triple quadrupole mass spectrometry for doping control. <i>Journal of Chromatography A</i> , 2018, 1579, 31-40.	1.8	22
2855	Simultaneous quantification of 14 amino acids from five plants by validated reversed-phase high-performance liquid chromatography. <i>Separation Science Plus</i> , 2018, 1, 619-626.	0.3	12
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2866	Multi-residue pesticide analysis in virgin olive oil by nanoflow liquid chromatography high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1562, 27-35.	1.8	48
2867	An UHPLC-MS/MS Method for Target Profiling of Stress-Related Phytohormones. <i>Methods in Molecular Biology</i> , 2018, 1778, 183-192.	0.4	5
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2876	Trace analysis of multi-class phytohormones in <i>Oryza sativa</i> using different scan modes in high-resolution Orbitrap mass spectrometry: method validation, concentration levels, and screening in multiple accessions. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4527-4539.	1.9	28
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2882	ESI and APCI LC-MS/MS in Model Investigations on the Absorption and Transformation of Organic Xenobiotics by Poplar Plants ( <i>Populus alba</i> L.). <i>Comprehensive Analytical Chemistry</i> , 2018, 79, 241-266.	0.7	1
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2887	Optimization of extraction methods for comprehensive profiling of perfluoroalkyl and polyfluoroalkyl substances in firefighting foam impacted soils. <i>Analytica Chimica Acta</i> , 2018, 1034, 74-84.	2.6	63

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2892	Screening and Identification of the Metabolites of Water Extracts of Raw and Honey-Processed <i>Astragalus</i> in Rat Urine Based on UHPLC/ESI-Q-TOF-MS and Multivariate Statistical Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1919-1935.	1.2	12
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2907	Quantification of 6-Mercaptopurine and Its Metabolites in Patients with Acute Lymphoblastic Leukemia Using Dried Blood Spots and UPLC-MS/MS. <i>Scientia Pharmaceutica</i> , 2018, 86, 18.	0.7	9
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2916	Development and validation of a UHPLCá€MS/MS assay for elvitegravir measurement in human plasma and cerebrospinal fluid. <i>Separation Science Plus</i> , 2018, 1, 325-333.	0.3	2
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2920	Quantitative method for analysis of six anticoagulant rodenticides in faeces, applied in a case with repeated samples from a dog. <i>Acta Veterinaria Scandinavica</i> , 2018, 60, 3.	0.5	16
2921	Simultaneous accelerated solvent extraction and purification for the determination of 13 organophosphate esters in soils by gas chromatography-tandem mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19546-19554.	2.7	21
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2925	Quantification of Serum Voriconazole, Isavuconazole, and Posaconazole by Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS). <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , 2018, 76, e47.	1.1	10
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2930	Urine analysis of 28 designer benzodiazepines by liquid chromatography-high-resolution mass spectrometry. <i>Clinical Mass Spectrometry</i> , 2018, 10, 25-32.	1.9	15
2931	Newborn screening for cerebrotendinous xanthomatosis is the solution for early identification and treatment. <i>Journal of Lipid Research</i> , 2018, 59, 2214-2222.	2.0	28
2932	The development of simple flow injection analysis tandem mass spectrometric methods for the cutaneous determination of peptide-modified cationic gemini surfactants used as gene delivery vectors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 159, 536-547.	1.4	6
2933	Determination of tocopherols and tocotrienols in human breast adipose tissue with the use of high performance liquid chromatography-fluorescence detection. <i>Biomedical Chromatography</i> , 2018, 32, e4361.	0.8	3
2934	A pressurized liquid extraction approach followed by standard addition method and UPLC-MS/MS for a fast multiclass determination of antibiotics in a complex matrix. <i>Chemosphere</i> , 2018, 211, 893-902.	4.2	21
2935	The role of lipids in the inception, maintenance and complications of dengue virus infection. <i>Scientific Reports</i> , 2018, 8, 11826.	1.6	31
2936	Ion-pair solid phase extraction for the simultaneous separation and quantitation of metformin and canagliflozin in human plasma by LC-MS/MS. <i>Microchemical Journal</i> , 2018, 143, 181-189.	2.3	18
2937	Ethyl Glucuronide in Alcoholic Beverages. <i>Alcohol and Alcoholism</i> , 2018, 53, 532-538.	0.9	5
2938	Application of bioconjugation chemistry on biosensor fabrication for detection of TAR-DNA binding protein 43. <i>Biosensors and Bioelectronics</i> , 2018, 117, 60-67.	5.3	36
2939	Polyphenolic profile of <i>Cichorium intybus</i> L. endemic varieties from the Veneto region of Italy. <i>Food Chemistry</i> , 2018, 266, 175-182.	4.2	29
2940	Hyphenated and non-hyphenated chromatographic techniques for trace level explosives in water bodies – a review. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 387-412.	1.8	3
2941	Rapid determination of designer benzodiazepines, benzodiazepines, and Z-hypnotics in whole blood using parallel artificial liquid membrane extraction and UHPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4967-4978.	1.9	32



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2943	Simple and robust LC-MS/MS analysis method for therapeutic drug monitoring of micafungin. <i>Bioanalysis</i> , 2018, 10, 877-886.	0.6	9
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2945	Capillary electrophoresis-mass spectrometry of derivatized amino acids for targeted neurometabolomics – pH mediated reversal of diastereomer migration order. <i>Journal of Chromatography A</i> , 2018, 1564, 199-206.	1.8	16
2946	New supported liquid membrane for electromembrane extraction of polar basic endogenous metabolites. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 159, 53-59.	1.4	35
2947	Sensitive Detection of Neonicotinoid Insecticides and Other Selected Pesticides in Pollen and Nectar Using Nanoflow Liquid Chromatography Orbitrap Tandem Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2018, 101, 367-373.	0.7	10
2948	Simultaneous Preconcentration, Identification, and Quantitation of Selenoamino Acids in Oils by Enantioselective High Performance Liquid Chromatography and Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 8326-8330.	3.2	7
2949	Sampling root exudates – Mission impossible?. <i>Rhizosphere</i> , 2018, 6, 116-133.	1.4	241
2950	Hair analysis can provide additional information in doping and forensic cases involving clostebol. <i>Drug Testing and Analysis</i> , 2019, 11, 95-101.	1.6	13
2951	Determination of phosphatidylethanol 16:0/18:1 in whole blood by well supported liquid extraction and UHPLC-MS/MS. <i>Journal of Clinical Laboratory Analysis</i> , 2019, 33, e22631.	0.9	18
2952	Comprehensive analysis of photoinitiators and primary aromatic amines in food contact materials using liquid chromatography High-Resolution Mass Spectrometry. <i>Talanta</i> , 2019, 191, 109-118.	2.9	35
2953	The pharmacokinetics of ketamine following intramuscular injection to F344 rats. <i>Drug Testing and Analysis</i> , 2019, 11, 68-76.	1.6	3
2954	Blood plasma level determination using an automated LC-MS <sup>n</sup> screening system and electronically stored calibrations exemplified for 22 drugs and two active metabolites often requested in emergency toxicology. <i>Drug Testing and Analysis</i> , 2019, 11, 102-111.	1.6	11
2955	The experimental design approach to the optimization of a simple quick easy cheap effective rugged and safe method for the analysis of phytoestrogens in complex soy-based food. <i>Journal of Separation Science</i> , 2019, 42, 3225-3233.	1.3	6
2956	Comprehensive lipidomics of mouse plasma using class-specific surrogate calibrants and SWATH acquisition for large-scale lipid quantification in untargeted analysis. <i>Analytica Chimica Acta</i> , 2019, 1086, 90-102.	2.6	27
2957	Development and validation of an ultra-high-performance liquid chromatography-tandem mass spectrometry method to determine the bioavailability of warfarin and its major metabolite 7-hydroxy warfarin in rats dosed with oral formulations containing different polymorphic forms. <i>Biomedical Chromatography</i> , 2019, 33, e4685.	0.8	4
2958	Trace Enantioselective Determination of Imidazolinone Herbicides in Various Food Matrices Using a Modified QuEChERS Method and Ultra-Performance Liquid Chromatography/Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2019, 12, 2647-2664.	1.3	19
2959	Solvent demulsification-dispersive liquid-liquid microextraction based on solidification of floating organic drop coupled with ultra-high-performance liquid chromatography-tandem mass spectrometry for simultaneous determination of 13 organophosphate esters in aqueous samples. <i>Scientific Reports</i> , 2019, 9, 11292.	1.6	11

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2960	Monitoring of cyanotoxins in water from hypersaline microalgae colonies by ultra high performance liquid chromatography with diode array and tandem mass spectrometry detection following salting-out liquid-liquid extraction. <i>Journal of Chromatography A</i> , 2019, 1608, 460409.	1.8	13
2961	Determination of tryptoquialanines A and C produced by <i>Penicillium digitatum</i> in oranges: Are we safe?. <i>Food Chemistry</i> , 2019, 301, 125285.	4.2	12
2962	UHPLC-MS/MS assay for simultaneous determination of amlodipine, metoprolol, pravastatin, rosuvastatin, atorvastatin with its active metabolites in human plasma, for population-scale drug-drug interactions studies in people living with HIV. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1125, 121733.	1.2	10
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2964	Challenges in confirmation testing for drugs of abuse. , 2019, , 243-256.		1
2965	Detection and quantification of metastable photoproducts of trenbolone and altrenogest using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1603, 150-159.	1.8	8
2966	Postmortem analysis of human bone marrow aspirate - Quantitative determination of SSRI and SNRI drugs. <i>Talanta</i> , 2019, 204, 607-612.	2.9	9
2967	High-throughput method to analyze tegafur and 5-fluorouracil in human tears and plasma using hydrophilic interaction liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1906-1914.	0.7	4
2968	Development and Validation of a Method for the Analysis of Bisoprolol and Atenolol in Human Bone. <i>Molecules</i> , 2019, 24, 2400.	1.7	6
2969	Dummy Molecularly Imprinted Matrix Solid-Phase Dispersion for Selective Extraction of Seven Estrogens in Aquatic Products. <i>Food Analytical Methods</i> , 2019, 12, 2241-2249.	1.3	10
2970	A semi-automated, isotope-dilution high-resolution mass spectrometry assay for therapeutic drug monitoring of antidepressants. <i>Clinical Mass Spectrometry</i> , 2019, 14, 89-98.	1.9	10
2971	Development of two complementary LC-HRMS methods for analyzing sotatercept in dried blood spots for doping controls. <i>Bioanalysis</i> , 2019, 11, 923-940.	0.6	16
2972	One-pot synthesized visible-light-responsive MoS <sub>2</sub> @CdS nanosheets-on-nanospheres for hydrogen evolution from the antibiotic wastewater: Waste to energy insight. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 21577-21587.	3.8	26
2973	Sensitive and reliable gas chromatography tandem mass spectrometry assay for ethyl glucuronide in neonatal meconium. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 175, 112743.	1.4	3
2974	Improvement of hair testing for Ethylglucuronide by supported liquid extraction and ultra-high performance liquid chromatography tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 174, 707-710.	1.4	3
2975	Cloud Point Extraction Combined with Liquid Chromatography Coupled to Tandem Mass Spectrometry for the Determination of Verapamil in Urine. <i>Journal of Analytical Chemistry</i> , 2019, 74, 701-706.	0.4	6
2976	Determination of urinary retinol and creatinine as an early sensitive marker of renal dysfunction. <i>Journal of Chromatography A</i> , 2019, 1607, 460390.	1.8	6
2977	Lead analysis in paints for high impact control in homes. <i>Analytical Methods</i> , 2019, 11, 4254-4259.	1.3	4

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2979	Nanomaterials as alternative dispersants for the multiresidue analysis of phthalates in soil samples using matrix solid phase dispersion prior to ultra-high performance liquid chromatography tandem mass spectrometry. <i>Chemosphere</i> , 2019, 236, 124377.	4.2	14
2980	Detection of 13 Ginsenosides (Rb1, Rb2, Rc, Rd, Re, Rf, Rg1, Rg3, Rh2, F1, Compound K,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 672 Td (2) Method to Human Pharmacokinetic Studies Following Two Week-Repeated Administration of Red Ginseng Extract. <i>Molecules</i> , 2019, 24, 2618.	1.7	55
2981	Fundamentals of assay development and validation. , 2019, , 117-148.		0
2982	Liquid-phase microextraction in 96-well plates - calibration and accurate quantification of pharmaceuticals in human plasma samples. <i>Journal of Chromatography A</i> , 2019, 1602, 117-123.	1.8	27
2983	An ultra-sensitive UHPLC-MS/MS assay for the quantification of orally administered vancomycin in plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 174, 633-638.	1.4	8
2984	Detection and quantification of 5F-ADB and its methyl ester hydrolysis metabolite in fatal intoxication cases by liquid chromatographyâ€“high resolution mass spectrometry. <i>Forensic Science International</i> , 2019, 302, 109866.	1.3	17
2985	A LC-MS/MS method for the determination of common synthetic cathinones in meconium. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1124, 349-355.	1.2	10
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2990	Dissipation, risk assessment, halfâ€“life period and method validation of carbendazim and triazophos in green pea by highâ€“performance liquid chromatography. <i>Separation Science Plus</i> , 2019, 2, 284-290.	0.3	14
2991	Magnetic cucurbit[6]uril-based hypercrosslinked polymers for efficient enrichment of ubiquitin. <i>Mikrochimica Acta</i> , 2019, 186, 510.	2.5	1
2992	Synthesis of DABCO-based ionic liquid functionalized magnetic nanoparticles as a novel sorbent for the determination of cephalosporins in milk samples by dispersive solid-phase extraction followed by ultra-performance liquid chromatography-tandem mass spectrometry. <i>New Journal of Chemistry</i> , 2019, 43, 13554-13570.	1.4	24
2993	Assessment of Dried Blood Spots for Multi-Mycotoxin Biomarker Analysis in Pigs and Broiler Chickens. <i>Toxins</i> , 2019, 11, 541.	1.5	10
2994	Investigation of diagnostic performance of five urinary cholesterol metabolites for Niemann-Pick disease type C. <i>Journal of Lipid Research</i> , 2019, 60, 2074-2081.	2.0	16
2995	Rapid Quantitation of 25-Hydroxyvitamin D2 and D3 in Human Serum Using Liquid Chromatography/Drift Tube Ion Mobility-Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 13555-13561.	3.2	15

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2997	Preclinical evaluation of exemestane as a novel chemotherapy for gastric cancer. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 7417-7426.	1.6	12
2998	Recent advances in the determination of insulins from biological fluids. <i>Advances in Clinical Chemistry</i> , 2019, 93, 115-167.	1.8	22
2999	Learning representations of microbe-metabolite interactions. <i>Nature Methods</i> , 2019, 16, 1306-1314.	9.0	184
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3001	Method for Postmortem Quantification of $\delta^9$ -Tetrahydrocannabinol and Metabolites Using LC-MS/MS. <i>Journal of Analytical Toxicology</i> , 2019, 43, 703-719.	1.7	14
3002	The Usefulness of MS3 to Confirm Poisoning on the Example of Dog Poisoning with Strychnine. <i>Molecules</i> , 2019, 24, 3765.	1.7	4
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3004	Fast analysis of 19 anabolic steroids in bovine tissues by high performance liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2019, 42, 3319-3329.	1.3	6
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3008	An ultra HPLC-MS/MS method for quantification of hypidone hydrochloride (YL-0919) and application to a pharmacokinetic study. <i>Bioanalysis</i> , 2019, 11, 1243-1254.	0.6	1
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3010	Determination of 107 Pesticide Residues in Wolfberry with Acetate-buffered Salt Extraction and Sin-QuEChERS Nano Column Purification Coupled with Ultra Performance Liquid Chromatography Tandem Mass Spectrometry. <i>Molecules</i> , 2019, 24, 2918.	1.7	23
3011	Multi-target methodology for the screening of blood specimens in drug-facilitated sexual assault cases. <i>Microchemical Journal</i> , 2019, 150, 104204.	2.3	5
3012	Expanding the Theory of Planned Behaviour to Reveal Urban Residents' Pro-Environment Travel Behaviour. <i>Atmosphere</i> , 2019, 10, 467.	1.0	29
3013	Identification and determination of deoxynivalenol (DON) and deepoxy-deoxynivalenol (DOM-1) in pig colostrum and serum using liquid chromatography in combination with high resolution mass spectrometry (LC-MS/MS (HR)). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1126-1127, 121735.	1.2	14

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3017	Determination of doravirine in human plasma using liquid-liquid extraction and HPLC-MS/MS. Bioanalysis, 2019, 11, 1495-1508.	0.6	6
3018	High-throughput quantification of ten antiarrhythmic drugs in human plasma using UPLC-MS/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1129, 121793.	1.2	7
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3020	Identification and quantification of phytoprostanes and phytofurans of coffee and cocoa by- and co-products. Food and Function, 2019, 10, 6882-6891.	2.1	12
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3024	Residue analysis of tetraniliprole in rice and related environmental samples by HPLC/MS. Microchemical Journal, 2019, 150, 104168.	2.3	19
3025	Rapid, hydrolysis-free, dilute-and-shoot method for the determination of buprenorphine, norbuprenorphine and their glucuronides in urine samples using UHPLC-MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2019, 166, 236-243.	1.4	11
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3030	Buprofezin dissipation and safety assessment in open field cabbage and cauliflower using GC/ITMS employing an analyte protectant. Biomedical Chromatography, 2019, 33, e4492.	0.8	9
3031	Bioaccumulation behaviour of pharmaceuticals and personal care products in a constructed wetland. Chemosphere, 2019, 222, 275-285.	4.2	59



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3033	Retention time bracketing for targeted sphingolipidomics by liquid chromatography-tandem mass spectrometry. <i>Bioanalysis</i> , 2019, 11, 185-201.	0.6	3
3034	Evaluation of polysaccharide-based chiral stationary phases in modern SFC-MS/MS for enantioselective bioanalysis. <i>Bioanalysis</i> , 2019, 11, 251-266.	0.6	12
3035	Dried Blood Spot Multiplexed Steroid Profiling Using Liquid Chromatography Tandem Mass Spectrometry in Korean Neonates. <i>Annals of Laboratory Medicine</i> , 2019, 39, 263-270.	1.2	20
3036	High throughput bar adsorptive microextraction: A novel cost-effective tool for monitoring benzodiazepines in large number of biological samples. <i>Talanta</i> , 2019, 199, 195-202.	2.9	26
3037	Aflatoxin M <sub>1</sub> and B <sub>1</sub> in Colombian milk powder and estimated risk exposure. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2019, 12, 97-104.	1.3	13
3038	Simultaneous detection of 4(5)-methylimidazole and acrylamide in biscuit products by isotope-dilution UPLC-MS/MS. <i>Food Control</i> , 2019, 105, 64-70.	2.8	7
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3040	Liquid chromatography-tandem mass spectrometry screening method using information-dependent acquisition of enhanced product ion mass spectra for synthetic cannabinoids including metabolites in urine. <i>Drug Testing and Analysis</i> , 2019, 11, 1369-1376.	1.6	13
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3042	A Simple Ultraperformance Liquid Chromatography-Tandem Mass Spectrometry Method for Measurement of Cortisol Level in Human Saliva. <i>International Journal of Analytical Chemistry</i> , 2019, 2019, 1-8.	0.4	5
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3045	Characterization and quantification of thiol-peptides in <i>Arabidopsis thaliana</i> using combined dilution and high sensitivity HPLC-ESI-MS-MS. <i>Phytochemistry</i> , 2019, 164, 215-222.	1.4	19
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3047	Matrix-matched standards in the liquid chromatography-mass spectrometry determination of neonicotinoids in soil and sediment. <i>Journal of Chromatography A</i> , 2019, 1602, 246-252.	1.8	22
3048	Detection of cocaine and its metabolites in whole blood and plasma following a single dose, controlled administration of intranasal cocaine. <i>Drug Testing and Analysis</i> , 2019, 11, 1419-1430.	1.6	9
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3054	Rapid determination of volatile organic acids in edible salt and high-salinity food by direct analysis in real time mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2019, 444, 116166.	0.7	6
3055	Comparison of electrospray and UniSpray, a novel atmospheric pressure ionization interface, for LC-MS/MS analysis of 81 pesticide residues in food and water matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5099-5113.	1.9	18
3056	Novel fast ultra-performance liquid chromatography-tandem mass spectrometry (UHPLC-MS/MS) and extraction of ethylglucuronide in meconium samples. <i>Drug Testing and Analysis</i> , 2019, 11, 1471-1475.	1.6	5
3057	Phthalate sum determination in farmland soils using high-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Separation Science</i> , 2019, 42, 2715-2724.	1.3	1
3058	Development and Interlaboratory Validation of Two Fast UPLC-MS-MS Methods Determining Urinary Bisphenols, Parabens and Phthalates. <i>Journal of Analytical Toxicology</i> , 2019, 43, 452-464.	1.7	20
3059	Fast and Sensitive Quantification of $\Delta^9$ -Tetrahydrocannabinol and Its Main Oxidative Metabolites by Liquid Chromatography/Tandem Mass Spectrometry. <i>Cannabis and Cannabinoid Research</i> , 2019, 4, 110-123.	1.5	24
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3061	A fast and simple approach for the quantification of 40 illicit drugs, medicines, and pesticides in blood and urine samples by UHPLC-MS/MS. <i>Journal of Mass Spectrometry</i> , 2019, 54, 600-611.	0.7	16
3062	Dissipation of carbendazim and its metabolites in cucumber using liquid chromatography tandem mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 968-976.	1.8	16
3063	Acidic transformation of nordiazepam can affect recovery estimate during trace analysis of diazepam and nordiazepam in environmental water samples by liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3919-3928.	1.9	1
3064	Improved folate monoglutamate extraction and application to folate quantification from wild lentil seeds by ultra-performance liquid chromatography-selective reaction monitoring mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1121, 39-47.	1.2	18
3065	Recent Trends in the Quantification of Biogenic Amines in Biofluids as Biomarkers of Various Disorders: A Review. <i>Journal of Clinical Medicine</i> , 2019, 8, 640.	1.0	31
3066	Hexanol-Based Supramolecular Solvents Tool for the Determination of 11 Illicit Phenethylamines in Oral Fluid by LC-MS/MS. <i>Journal of Analytical Toxicology</i> , 2020, 44, 15-21.	1.7	6
3067	Multiresidue Pesticides Analysis of Vegetables in Vietnam by Ultrahigh-Performance Liquid Chromatography in Combination with High-Resolution Mass Spectrometry (UPLC-Orbitrap MS). <i>Journal of Analytical Methods in Chemistry</i> , 2019, 2019, 1-12.	0.7	8

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3069	Fast and simple method of simultaneous preservative determination in different processed foods by QuEChERS and HPLC-UV: Method development, survey and estimate of daily intake. <i>Food Chemistry</i> , 2019, 293, 112-119.	4.2	22
3070	Development and validation of a method for analysing of duloxetine, venlafaxine and amitriptyline in human bone. <i>Forensic Science International</i> , 2019, 299, 154-160.	1.3	10
3071	Direct Mass Spectrometry Analysis Using In-Capillary Dicationic Ionic Liquid-Based in Situ Dispersive Liquid-Liquid Microextraction and Sonic-Spray Ionization. <i>Analytical Chemistry</i> , 2019, 91, 6661-6668.	3.2	13
3072	Electric modeling and characterization of pulsed high-voltage nanoelectrospray ionization sources by a miniature ion trap mass spectrometer. <i>Journal of Mass Spectrometry</i> , 2019, 54, 583-591.	0.7	4
3073	Measurement of ultra-trace level of intact oxytocin in plasma using SALLE combined with nano-LC-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 173, 62-67.	1.4	11
3074	Halogen bonding for increasing efficiency in liquid-liquid microextraction: Application to the extraction of hexabromocyclododecane enantiomers in river water. <i>Journal of Chromatography A</i> , 2019, 1600, 95-104.	1.8	10
3075	A sensitive method for the simultaneous UHPLC-MS/MS analysis of milrinone and dobutamine in blood plasma using NH <sub>4</sub> F as the eluent additive and ascorbic acid as a stabilizer. <i>Clinical Mass Spectrometry</i> , 2019, 12, 23-29.	1.9	5
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3077	Occurrence of pesticides in fruits and vegetables from organic and conventional agriculture by QuEChERS extraction liquid chromatography tandem mass spectrometry. <i>Food Control</i> , 2019, 104, 74-82.	2.8	49
3078	A novel extraction method for simultaneous determination of neonicotinoid insecticides and their metabolites in human urine. <i>Analytical Methods</i> , 2019, 11, 2571-2578.	1.3	28
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3080	Quantification of multi-classes of endocrine-disrupting compounds in estuarine water. <i>Environmental Pollution</i> , 2019, 249, 1019-1028.	3.7	51
3081	Occurrence and risk assessment of multiclass endocrine disrupting compounds in an urban tropical river and a proposed risk management and monitoring framework. <i>Science of the Total Environment</i> , 2019, 671, 431-442.	3.9	81
3082	Development and application of a LC-HRMS/MS method for analyzing antihypertensive drugs in oral fluid for monitoring drug adherence. <i>Analytica Chimica Acta</i> , 2019, 1070, 69-79.	2.6	19
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3085	Development and validation of an analytical procedure to detect spatio-temporal differences in antidepressant use through a wastewater-based approach. <i>Talanta</i> , 2019, 200, 340-349.	2.9	31

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3087	Rapid Quantitation of Flecainide in Human Plasma for Therapeutic Drug Monitoring Using Liquid Chromatography and Time-of-Flight Mass Spectrometry. Therapeutic Drug Monitoring, 2019, 41, 391-395.	1.0	7
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3101	Multi LC-MS/MS and LC-HRMS Methods for Determination of 24 Mycotoxins including Major Phase I and II Biomarker Metabolites in Biological Matrices from Pigs and Broiler Chickens. Toxins, 2019, 11, 171.	1.5	48
3102	Development and validation of a sensitive LC-MS/MS method for determination of gefitinib and its major metabolites in human plasma and its application in non-small cell lung cancer patients. Journal of Pharmaceutical and Biomedical Analysis, 2019, 172, 364-371.	1.4	20
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3105	Determination of boldenone in postmortem specimens including blood and urine samples using LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 169, 111-115.	1.4	9
3106	Development and validation of an assay to measure cannabidiol and $\delta^9$ -tetrahydrocannabinol in human EDTA plasma by UHPLC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1112, 56-60.	1.2	14
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3110	A sensitive and selective phosphopeptide enrichment strategy by combining polyoxometalates and cysteamine hydrochloride-modified chitosan through layer-by-layer assembly. <i>Analytica Chimica Acta</i> , 2019, 1066, 58-68.	2.6	29
3111	Liquid chromatography-mass spectrometry-based determination of ergocristine, ergocryptine, ergotamine, ergovaline, hypoglycin A, lolitrem B, methylene cyclopropyl acetic acid carnitine, N-acetyllooline, N-formyllooline, paxilline, and peramine in equine hair. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1117, 127-135.	1.2	8
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3113	Sensitive, rapid and non-derivatized determination of glyphosate, glufosinate, bialaphos and metabolites in surface water by LC-MS/MS. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	10
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3115	Evidence for nonlinear accumulation of the ultrapotent fentanyl analog, carfentanil, after systemic administration to male rats. <i>Neuropharmacology</i> , 2019, 158, 107596.	2.0	17
3116	Analysis and fate of 14 relevant wastewater-derived organic pollutants in long-term exposed soil. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2687-2696.	1.9	18
3117	Simultaneous determination of cocaine, ecgonine methyl ester, benzoylecgonine, cocaethylene and norcocaine in dried blood spots by ultra-performance liquid chromatography coupled to tandem mass spectrometry. <i>Forensic Science International</i> , 2019, 298, 408-416.	1.3	11
3118	Multi-residue quantification and screening of emerging organic micropollutants in the Belgian Part of the North Sea by use of Speedisk extraction and Q-Orbitrap HRMS. <i>Marine Pollution Bulletin</i> , 2019, 142, 350-360.	2.3	25
3119	Development of Sensitive and Reliable UPLC-MS/MS Methods for Food Analysis of Emerging Mycotoxins in China Total Diet Study. <i>Toxins</i> , 2019, 11, 166.	1.5	21
3120	Determination of daptomycin in human plasma and breast milk by UPLC/MS-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1116, 38-43.	1.2	10
3121	The use of a plant enzyme for rapid and sensitive analysis of naturally-occurring folates in food by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1594, 34-44.	1.8	9



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3123	Liquid chromatography-high resolution mass spectrometry for broad-spectrum drug screening of dried blood spot as microsampling procedure. <i>Analytica Chimica Acta</i> , 2019, 1063, 110-116.	2.6	29
3124	New SPE-LC-MS/MS method for the simultaneous determination in urine of 22 metabolites of DEHP and alternative plasticizers from PVC medical devices. <i>Talanta</i> , 2019, 198, 377-389.	2.9	33
3125	Application of Liquid Chromatography Combined With High Resolution Mass Spectrometry for Urine Drug Testing. , 2019, , 321-332.		3
3126	Comparisons of analysis of fatty acid methyl ester (FAME) of microalgae by chromatographic techniques. <i>Algal Research</i> , 2019, 39, 101449.	2.4	18
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3128	Development, validation and application of a novel HPLC-MS/MS method for the measurement of minocycline in human plasma and urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 169, 90-98.	1.4	13
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3132	Trace analysis of estrogens in milk samples by molecularly imprinted solid phase extraction with genistein as a dummy template molecule and high-performance liquid chromatography-tandem mass spectrometry. <i>Steroids</i> , 2019, 145, 23-31.	0.8	23
3133	Data-independent screening method for 14 fentanyl analogs in whole blood and oral fluid using LC-QTOF-MS. <i>Forensic Science International</i> , 2019, 297, 189-197.	1.3	32
3134	Development and validation of a LC-MS/MS assay for quantification of serum estradiol using calibrators with values assigned by the CDC reference measurement procedure. <i>Clinica Chimica Acta</i> , 2019, 492, 45-49.	0.5	10
3135	Occurrence and level of emerging organic contaminant in fish and mollusk from Klang River estuary, Malaysia and assessment on human health risk. <i>Environmental Pollution</i> , 2019, 248, 763-773.	3.7	60
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3137	A Multiplex Phytosterol Assay Utilizing Gas Chromatography-Mass Spectrometry for Diagnosis of Inherited Lipid Storage Disorders. <i>Annals of Laboratory Medicine</i> , 2019, 39, 411-413.	1.2	5
3138	Up-Converting Nanoparticle-Based Immunochromatographic Strip for Multi-Residue Detection of Three Organophosphorus Pesticides in Food. <i>Frontiers in Chemistry</i> , 2019, 7, 18.	1.8	43
3139	An LC-MS/MS method for the quantification of diclofenac sodium in dairy cow plasma and its application in pharmacokinetics studies. <i>Biomedical Chromatography</i> , 2019, 33, e4520.	0.8	6

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3141	Method validation and preliminary pharmacokinetic studies on the new designer stimulant 3- $\beta$ -fluorophenmetrazine (3- $\beta$ -FPM). <i>Drug Testing and Analysis</i> , 2019, 11, 1009-1017.	1.6	5
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3143	Direct injection high performance liquid chromatography coupled to data independent acquisition mass spectrometry for the screening of antibiotics in honey. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 679-691.	0.9	28
3144	Development and validation of an analytical method for determination of pharmaceuticals in fish muscle based on QuEChERS extraction and SWATH acquisition using LC-QTOF-MS/MS system. <i>Talanta</i> , 2019, 199, 370-379.	2.9	34
3146	Separation and Identification of the Enantiomeric Doping agent Racemorphan in Equine Urine by Using Normal Phase Chiral-High Resolution Mass Spectrometry. <i>Analytical Chemistry Letters</i> , 2019, 9, 747-756.	0.4	0
3147	Quantitation of Mycotoxins in Four Food Matrices Comparing Stable Isotope Dilution Assay (SIDA) with Matrix-Matched Calibration Methods by LC-MS/MS. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1673-1680.	0.7	5
3148	A validated LC-MS/MS method for the simultaneous quantification of meropenem and vaborbactam in human plasma and renal replacement therapy effluent and its application to a pharmacokinetic study. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7831-7840.	1.9	11
3149	Determination of $\delta^{13}C$ of Trace Hydrocarbons in Natural Gas Using Syringe Solid Phase Extraction (SSPE) Coupled with Gas Chromatography/Isotope Ratio Mass Spectrometry (GC/IRMS). <i>Geofluids</i> , 2019, 1-10.	0.3	2
3150	Determination of Endogenous Concentrations of Uracil and Dihydrouracil in Dried Saliva Spots by LC-MS/MS: Method Development, Validation, and Clinical Application. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 383-390.	1.0	10
3151	Volumetric Absorptive Microsampling: A New Sampling Tool for Therapeutic Drug Monitoring of Antiepileptic Drugs. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 681-692.	1.0	38
3152	Chitosan grafted onto Fe <sub>3</sub> O <sub>4</sub> @poly(N-vinylcaprolactam) as a new sorbent for detecting Imatinib mesylate in biosamples using UPLC-MS/MS. <i>Analyst</i> , 2019, 144, 7336-7350.	1.7	20
3153	Simultaneous determination of urinary 31 metabolites of VOCs, 8-hydroxy-2-deoxyguanosine, and trans- $\beta$ -hydroxycotinine by UPLC-MS/MS: 13C- and 15N-labeled isotoped internal standards are more effective on reduction of matrix effect. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7841-7855.	1.9	29
3154	GC-MS Modified Quechers Method for Multiresidue Pesticide Determination in Red Wine. <i>Croatica Chemica Acta</i> , 2019, 92, 419-428.	0.1	1
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3156	Development and application of a urine drug concentration method for the evaluation of oral absorption of ibandronate in clinical patients. <i>Bioanalysis</i> , 2019, 11, 1337-1345.	0.6	0
3157	Official International Association for Therapeutic Drug Monitoring and Clinical Toxicology Guideline: Development and Validation of Dried Blood Spot-Based Methods for Therapeutic Drug Monitoring. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 409-430.	1.0	188
3158	LC-MS/MS-Based Quantification of 9 Antiepileptic Drugs From a Dried Sample Spot Device. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 331-339.	1.0	22

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3160	Postmortem tissue distribution of morphine and its metabolites in a series of heroin-related deaths. <i>Drug Testing and Analysis</i> , 2019, 11, 292-304.	1.6	20
3161	Ultrasound-assisted solvent extraction of porous membrane packed solid samples: A new approach for extraction of target analytes from solid samples. <i>Microchemical Journal</i> , 2019, 144, 117-123.	2.3	19
3162	Frequency and levels of regulated and emerging mycotoxins in silage in Poland. <i>Mycotoxin Research</i> , 2019, 35, 17-25.	1.3	53
3163	Ultrasound assisted dispersive liquid-liquid microextraction for fast and accurate analysis of chloramphenicol in honey. <i>Food Research International</i> , 2019, 115, 572-579.	2.9	40
3164	Determination of dodecanol and ethoxylated fatty alcohols from environmental samples using diatomaceous earth as a green sorbent for solid-phase extraction. <i>Journal of Separation Science</i> , 2019, 42, 1019-1026.	1.3	0
3165	Sensitive assessment of multi-class mycotoxins residue in <i>Atractylodis rhizoma</i> . <i>Industrial Crops and Products</i> , 2019, 127, 1-10.	2.5	9
3166	Bioanalytical method validation: new FDA guidance vs. EMA guideline. Better or worse?. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 165, 381-385.	1.4	103
3167	Optimized liquid chromatography-tandem mass spectrometry for Otaplimastat quantification in rat plasma and brain tissue. <i>Journal of Chromatographic Science</i> , 2019, 57, 258-264.	0.7	1
3168	Simultaneous determination of amitraz, chlordimeform, formetanate and metabolites in human blood by liquid chromatography tandem mass spectrometry with phospholipid-removal pretreatment. <i>Biomedical Chromatography</i> , 2019, 33, e4477.	0.8	6
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3171	Use of Basolite® F300 metal-organic framework for the dispersive solid-phase extraction of phthalic acid esters from water samples prior to LC-MS determination. <i>Talanta</i> , 2019, 195, 236-244.	2.9	38
3172	A convenient strategy to overcome interference in LC-MS/MS analysis: Application in a microdose absolute bioavailability study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 165, 198-206.	1.4	9
3173	Quantification of Thiopurine Nucleotides in Erythrocytes and Clinical Application to Pediatric Acute Lymphoblastic Leukemia. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 75-85.	1.0	6
3174	Development and validation of a fully automated solid phase microextraction high throughput method for quantitative analysis of multiresidue veterinary drugs in chicken tissue. <i>Analytica Chimica Acta</i> , 2019, 1056, 34-46.	2.6	42
3175	Metabolic profiling of synthetic cannabinoid 5F-AHB by human liver microsome incubations and urine samples using high-resolution mass spectrometry. <i>Drug Testing and Analysis</i> , 2019, 11, 847-858.	1.6	34
3176	Use of a modified QuEChERS method for the determination of mycotoxin residues in edible nuts by nano flow liquid chromatography high resolution mass spectrometry. <i>Food Chemistry</i> , 2019, 279, 144-149.	4.2	50

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3177	Development of a mass spectrometry based detection method for the mitochondrionâ€derived peptide MOTSA€ in plasma samples for doping control purposes. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 371-380.	0.7	16
3178	Amantadineâ€functionalized magnetic microspheres and stable isotope labeled internal standards for reducing matrix effect in determination of five opium alkaloids by liquid chromatographyâ€quadrupole linear ion trap mass spectrometry. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 484-492.	0.8	12
3179	Automated on-line SPE determination of amisulpride in human plasma using LC coupled with restricted-access media column. <i>Microchemical Journal</i> , 2019, 145, 154-161.	2.3	10
3180	Investigation of free seleno-amino acids in extra-virgin olive oil by mixed mode solid phase extraction cleanup and enantioselective hydrophilic interaction liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2019, 278, 17-25.	4.2	6
3181	Using magnetic coreâ€shell nanoparticles coated with an ionic liquid dispersion assisted by effervescence powder for the microâ€solidâ€phase extraction of four beta blockers from human plasma by ultra high performance liquid chromatography with mass spectrometry detection. <i>Journal of Separation Science</i> , 2019, 42, 698-705.	1.3	24
3182	Palmitic acid ester of tetrahydrocannabinol (THC) and palmitic acid diester of 11-hydroxy-THC â€” Unsuccessful search for additional THC metabolites in human body fluids and tissues. <i>Forensic Science International</i> , 2019, 294, 86-95.	1.3	7
3183	Fatal poisoning involving cyclopropylfentanyl â€” Investigation of time-dependent postmortem redistribution. <i>Forensic Science International</i> , 2019, 294, 80-85.	1.3	17
3184	Design of Two-Dimensional Layered Double Hydroxide Nanosheets Embedded with Fe <sub>3</sub> O <sub>4</sub> for Highly Selective Enrichment and Isotope Labeling of Phosphopeptides. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 421-429.	3.2	24
3185	Development and validation of a gas chromatographyâ€mass spectrometry method for opiates and cocaine in human bone. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 636-641.	1.4	21
3186	Quantitative analysis of chemoresistance-inducing fatty acid in food supplements using UHPLCâ€ESI-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 479-491.	1.9	5
3187	Quantification of seven novel synthetic opioids in blood using LCâ€MS/MS. <i>Forensic Toxicology</i> , 2019, 37, 215-223.	1.4	12
3188	Determination of emerging chlorinated byproducts of diazepam in drinking water. <i>Chemosphere</i> , 2019, 218, 223-231.	4.2	28
3189	Simultaneous determination of twenty heterocyclic amines in cooking oil using dispersive solid phase extraction (QuEChERS) and high performance liquid chromatographyâ€electrospray-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1585, 82-91.	1.8	27
3190	Matrix effect screening for cloud-point extraction combined with liquid chromatography coupled to mass spectrometry: Bioanalysis of pharmaceuticals. <i>Journal of Chromatography A</i> , 2019, 1591, 44-54.	1.8	14
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3192	Dielectrophoresis-based filtration effect and detection of amyloid beta in plasma for Alzheimer's disease diagnosis. <i>Biosensors and Bioelectronics</i> , 2019, 128, 166-175.	5.3	18
3193	Evaluation of Matrix Effects in Quantifying Microbial Secondary Metabolites in Indoor Dust Using Ultraperformance Liquid Chromatographyâ€Tandem Mass Spectrometer. <i>Safety and Health at Work</i> , 2019, 10, 196-204.	0.3	10
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3198	Amendment of municipal sewage sludge with lime and mussel shell: Effects on fate of organic matter and pharmaceutically active compounds. <i>Waste Management</i> , 2019, 85, 272-282.	3.7	9
3199	Determination of multi-class antibiotic residues in compost by microwave-enhanced accelerated solvent extraction and ultra performance convergence chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2019, 42, 1281-1288.	1.3	9
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3209	A fully automated high-throughput liquid chromatography tandem mass spectrometry method for measuring creatinine in urine. <i>Clinical Mass Spectrometry</i> , 2019, 11, 1-7.	1.9	14
3210	Analysis of polyhalogenated carbazoles in sediment using liquid chromatography-tandem mass spectrometry. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 148-155.	2.9	31
3211	Restricted Access Volatile Supramolecular Solvents for Single-Step Extraction/Cleanup of Benzimidazole Anthelmintic Drugs in Milk Prior to LC-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 520-530.	2.4	14
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3237	Preparation of monodisperse porous polymeric ionic liquid microspheres and their application as stationary phases for HPLC. <i>Talanta</i> , 2020, 208, 120462.	2.9	33
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3262	Analysis of artificially oxidized cardiolipins and monolyso-cardiolipins via liquid chromatography/high-resolution mass spectrometry and Kendrick mass defect plots after hydrophilic interaction liquid chromatography based sample preparation. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8566.	0.7	13
3263	Determination of 21 synthetic cathinones, phenethylamines, amphetamines and opioids in influent wastewater using liquid chromatography coupled to tandem mass spectrometry. <i>Talanta</i> , 2020, 208, 120479.	2.9	53
3264	Simultaneous determination of bisphenol A and its chlorinated derivatives in human plasma: Development, validation and application of a UHPLC-MS/MS method. <i>Chemosphere</i> , 2020, 242, 125236.	4.2	17
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3268	Determination of sulfonylurea pesticide residues in edible seeds used as nutraceuticals by QuEChERS in combination with ultra-high-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1617, 460831.	1.8	18
3269	Assessment of paper tip angular position, carryover, matrix effects and dried blood spot storage effect on paper spray mass spectrometry. <i>Analytical Methods</i> , 2020, 12, 747-757.	1.3	5
3270	Determination of organophosphorus pesticides in wastewater samples using vortex-assisted dispersive liquid-liquid microextraction with liquid chromatography-mass spectrometry. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 2325-2336.	1.8	23
3271	Preparation of magnetic iron oxide nanoparticles modified with imidazolium-based ionic liquids as a sorbent for the extraction of eight phthalate acid esters in water samples followed by UPLC-MS/MS analysis: an experimental design methodology. <i>Analytical Methods</i> , 2020, 12, 73-84.	1.3	17
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3279	Simultaneous quantification of ambrisentan, macitentan and sitaxentan in human plasma using UPLC-MS/MS. <i>Biomedical Chromatography</i> , 2020, 34, e4787.	0.8	2
3280	Matrix matching in quantitative bioanalysis by LC-MS/MS a dream or a reality?. <i>Bioanalysis</i> , 2020, 12, 67-69.	0.6	3
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3283	Ultrafast laser diode thermal desorption method for analysis of representative pharmaceuticals in soil leachate samples. <i>Talanta</i> , 2020, 208, 120382.	2.9	8
3284	An LC-MS/MS method for creatine and creatinine analysis in paraquat-intoxicated patients. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2020, 55, 273-282.	0.7	6

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3286	High-Throughput Urinary Neopterin-to-Creatinine Ratio Monitoring of Systemic Inflammation. <i>Journal of Applied Laboratory Medicine</i> , 2020, 5, 101-113.	0.6	7
3287	Simultaneous determination of 11 preservatives in cosmetics and pharmaceuticals by matrix solid-phase dispersion coupled with gas chromatography. <i>Acta Chromatographica</i> , 2020, 32, 203-209.	0.7	6
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3304	Simple and sensitive method for the analysis of 14 antituberculosis drugs using liquid chromatography/tandem mass spectrometry in human plasma. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8667.	0.7	8
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3315	Biomonitoring and temporal trends of bisphenols exposure in Japanese school children. <i>Environmental Research</i> , 2020, 191, 110172.	3.7	45
3316	Heart-cutting two-dimensional liquid chromatography coupled to quadrupole-orbitrap high resolution mass spectrometry for determination of N,N-dimethyltryptamine in rat plasma and brain; Method development and application. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 191, 113615.	1.4	5
3317	Determination of selected testosterone esters in blood serum of slaughter animals by liquid chromatography with tandem mass spectrometry. <i>Steroids</i> , 2020, 163, 108723.	0.8	3
3318	Analysis of pharmaceuticals in fish using ultrasound extraction and dispersive SPE clean-up on que Z-Sep/C18 followed by LC-QToF-MS detection. <i>MethodsX</i> , 2020, 7, 101010.	0.7	7
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3322	Validation and clinical application of a volumetric absorptive microsampling method for 14 psychiatric drugs. <i>Bioanalysis</i> , 2020, 12, 1129-1147.	0.6	11
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3540	An ion-pair free LC-MS/MS method for quantitative metabolite profiling of microbial bioproduction systems. <i>Talanta</i> , 2021, 222, 121625.	2.9	10
3541	UHPLC-MS/MS analysis of cannabidiol metabolites in serum and urine samples. Application to an individual treated with medical cannabis. <i>Talanta</i> , 2021, 223, 121772.	2.9	17
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3576	UHPLC-MS/MS Method for Determination of Hydroxychloroquine and Its Main Metabolites in Oral Fluid and Whole Blood for Therapeutic Drug Monitoring. <i>Journal of Applied Laboratory Medicine</i> , The, 2021, 6, 868-880.	0.6	2
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3578	Cannabinoid type 1 receptor inverse agonism attenuates dyslipidemia and atherosclerosis in APOE <sup>-3</sup> -Leiden.CETP mice. <i>Journal of Lipid Research</i> , 2021, 62, 100070.	2.0	9
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3699	Quantitative analysis of 20 fentanyl analogues by modified QuEChERS-LC-MS/MS in health products and transdermal patches. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 201, 114100.	1.4	7
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3708	Simple implementation of muscle tissue into routine workflow of blood analysis in forensic cases - A validated method for quantification of 29 drugs in postmortem blood and muscle samples by UHPLC-MS/MS. <i>Forensic Science International</i> , 2021, 325, 110901.	1.3	14
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4105	Identification and Quantification of Urinary Microbial Phenolic Metabolites by HPLC-ESI-LTQ-Orbitrap-HRMS and Their Relationship with Dietary Polyphenols in Adolescents. <i>Antioxidants</i> , 2022, 11, 1167.	2.2	12
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4107	Rapid and accurate method for quantifying busulfan in plasma samples by isocratic liquid chromatography-tandem mass spectrometry (LC-MS/MS). <i>Advances in Laboratory Medicine / Avances En Medicina De Laboratorio</i> , 2022, 3, 263-271.	0.1	1
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4116	Characterization of analytes and matrices. , 2022, , 179-205.		0
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4120	Determination of short-chain fatty acids by N,N-dimethylethylenediamine derivatization combined with liquid chromatography/mass spectrometry and their implication in influenza virus infection. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 6419-6430.	1.9	5
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4134	Rapid quantification of cannabinoids in beef tissues and bodily fluids using direct-delivery electrospray ionization mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2022, 39, 1705-1717.	1.1	1
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4140	Quantification of serotonin and eight of its metabolites in plasma of healthy volunteers by mass spectrometry. <i>Clinica Chimica Acta</i> , 2022, 535, 19-26.	0.5	5
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4144	Dilute-and-shoot versus clean-up approaches: A comprehensive evaluation for the determination of mycotoxins in nuts by UHPLC-MS/MS. <i>LWT - Food Science and Technology</i> , 2022, 169, 113976.	2.5	7
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4149	Novel molecularly imprinted phenolic resin-tandem dispersive filter extraction for rapid determination of perfluorooctanoic acid and perfluorooctane sulfonate in milk. <i>Food Chemistry</i> , 2023, 400, 134062.	4.2	9



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4151	A User-Friendly Sample Preparation Alternative for Manual and Automated LC-MS/MS Quantification of Testosterone. <i>Methods in Molecular Biology</i> , 2022, , 459-472.	0.4	0
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4202	Low-interference norepinephrine signal on dopamine detection using nafion-coated boron doped diamond electrodes. <i>Biosensors and Bioelectronics</i> , 2023, 220, 114892.	5.3	9
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4209	Determination of polycyclic aromatic hydrocarbons in edible oil by magnetic solid phase extraction based on a mesoporous molybdenum disulfide/graphite prior to gas chromatography-mass spectrometry. <i>Microchemical Journal</i> , 2022, 183, 108146.	2.3	5
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4229	Dried Urine Spot Analysis for assessing cardiovascular drugs exposure applicable in spaceflight conditions. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, , 123539.	1.2	0
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4231	Simultaneous determination of three components of sodium nitrophenolate in foodstuffs of animal origin by high performance liquid chromatography-tandem mass spectrometry using atmospheric pressure chemical ionization. <i>Chinese Journal of Chromatography (Se Pu)</i> , 2022, 40, 1095-1101.	0.1	0
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4265	Extraction of ibuprofen from baby lettuces by natural deep eutectic systems. <i>Journal of Food Composition and Analysis</i> , 2023, 119, 105225.	1.9	0
4266	Age-related reference intervals for serum phytosterols in children by gas chromatography-mass spectrometry and its application in diagnosing sitosterolemia. <i>Clinica Chimica Acta</i> , 2023, 540, 117234.	0.5	1
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