# Markus R Meyer

List of Publications by Year
in descending order



| 179 | 5,604 | 76326 | 114465 |
|---|---|---|---|
| papers | citations | 40 h-index | 63 g-index |

| 187 | 187 | 187 | 3940 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Perimortem Distribution of U-47700, Tramadol and Their Main Metabolites in Pigs Following Intravenous Administration. Journal of Analytical Toxicology, 2022, 46, 479-486. | 2.8 | 6 |
| 2 | Can the Intake of a Synthetic Tryptamine be Detected Only by Blood Plasma Analysis? A Clinical Toxicology Case Involving 4-HO-MET. Journal of Analytical Toxicology, 2022, 46, 567-572. | 2.8 | 5 |
| 3 | Toxic plantsâ€"Detection of colchicine in a fast systematic clinical toxicology screening using liquid chromatographyâ€"mass spectrometry. Drug Testing and Analysis, 2022, 14, 377-381. | 2.6 | 3 |
| 4 | Analytical techniques for the detection of novel psychoactive substances and their metabolites. , 2022, , 225-244. | | 0 |
| 5 | Induction of Liver Size Reduction in Zebrafish Larvae by the Emerging Synthetic Cannabinoid 4F-MDMB-BINACA and Its Impact on Drug Metabolism. Molecules, 2022, 27, 1290. | 3.8 | 5 |
| 6 | Photoinduced skin reactions of cardiovascular drugsâ€"a systematic review. European Heart Journal - Cardiovascular Pharmacotherapy, 2022, 8, 420-430. | 3.0 | 5 |
| 7 | A simplified strategy to assess the cytotoxicity of new psychoactive substances in HepG2 cells using a high content screening assay â€" Exemplified for nine compounds. Toxicology, 2022, 476, 153258. | 4.2 | 1 |
| 8 | Going deeper into the toxicokinetics of synthetic cannabinoids: in vitro contribution of human carboxylesterases. Archives of Toxicology, 2022, 96, 2755-2766. | 4.2 | 1 |
| 9 | Flubromazolam-Derived Designer Benzodiazepines: Toxicokinetics and Analytical Toxicology of Clobromazolam and Bromazolam. Journal of Analytical Toxicology, 2021, 45, 1014-1027. | 2.8 | 11 |
| 10 | Can a Recently Developed Pig Model Be Used for In Vivo Metabolism Studies of 7-Azaindole-Derived Synthetic Cannabinoids? A Study Using 5F-MDMB-P7AICA. Journal of Analytical Toxicology, 2021, 45, 593-604. | 2.8 | 9 |
| 11 | Studies on the In Vitro and In Vivo Metabolic Fate of the New Psychoactive Substance N-Ethyl-N-Propyltryptamine for Analytical Purposes. Journal of Analytical Toxicology, 2021, 45, 195-202. | 2.8 | 7 |
| 12 | Comparison of in vitro and in vivo models for the elucidation of metabolic patterns of 7â€azaindoleâ€derived synthetic cannabinoids exemplified using cumylâ€5Fâ€P7AICA. Drug Testing and Analysis, 2021, 13, 74-90. | 2.6 | 7 |
| 13 | Abuse of nutmeg seeds: Detectable by means of liquid chromatographyâ€mass spectrometry techniques?. Drug Testing and Analysis, 2021, 13, 1440-1444. | 2.6 | 5 |
| 14 | Drug adherence and psychosocial characteristics of patients presenting with hypertensive urgency at the emergency department. Journal of Hypertension, 2021, 39, 1697-1704. | 0.5 | 5 |
| 15 | Assessing Adherence to Antihypertensive Medication by Means of Dose-Dependent Reference Plasma Concentration Ranges and Ultra-High Performance Liquid Chromatography-Ion Trap Mass Spectrometry Analysis. Molecules, 2021, 26, 1495. | 3.8 | 7 |
| 16 | Recent trends in drugs of abuse metabolism studies for mass spectrometryâ€"based analytical screening procedures. Analytical and Bioanalytical Chemistry, 2021, 413, 5551-5559. | 3.7 | 7 |
| 17 | Further development of a liquid chromatographyâ€"highâ€resolution mass spectrometry/mass spectrometryâ€based strategy for analyzing eight biomarkers in human urine indicating toxic mushroom or <scp>Ricinus communis</scp> ingestions. Drug Testing and Analysis, 2021, 13, 1603-1613. | 2.6 | 8 |
| 18 | In Vitro Metabolic Fate of the Synthetic Cannabinoid Receptor Agonists QMPSB and QMPCB (SGT-11) Including Isozyme Mapping and Esterase Activity. Metabolites, 2021, 11, 509. | 2.9 | 6 |

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|---|---|---|---|
| 19 | Altered metabolic pathways elucidated via untargeted in vivo toxicometabolomics in rat urine and plasma samples collected after controlled application of a human equivalent amphetamine dose. Archives of Toxicology, 2021, 95, 3223-3234. | 4.2 | 3 |
| 20 | Cytotoxicity, metabolism, and isozyme mapping of the synthetic cannabinoids JWH-200, A-796260, and 5F-EMB-PINACA studied by means of in vitro systems. Archives of Toxicology, 2021, 95, 3539-3557. | 4.2 | 4 |
| 21 | Development, validation, and application of a quantitative volumetric absorptive microsamplingâ€"based method in finger prick blood by means of LC-HRMS/MS applicable for adherence monitoring of antipsychotics. Analytical and Bioanalytical Chemistry, 2021, 413, 1729-1737. | 3.7 | 16 |
| 22 | Liquid Chromatography-High-Resolution Mass Spectrometry-Based In Vitro Toxicometabolomics of the Synthetic Cathinones 4-MPD and 4-MEAP in Pooled Human Liver Microsomes. Metabolites, 2021, 11, 3. | 2.9 | 10 |
| 23 | Toxicokinetics of U-47700, tramadol, and their main metabolites in pigs following intravenous administration: is a multiple species allometric scaling approach useful for the extrapolation of toxicokinetic parameters to humans?. Archives of Toxicology, 2021, 95, 3681-3693. | 4.2 | 4 |
| 24 | Evaluation and analytical applicability of a novel volumetric absorptive microsampling strategy for adherence monitoring of antihypertensive drugs by means of LC-HRMS/MS. Analytica Chimica Acta, 2021, 1187, 339137. | 5.4 | 7 |
| 25 | Toxicokinetic studies of the four new psychoactive substances 4-chloroethcathinone, N-ethylnorpentylone, N-ethylhexedrone, and 4-fluoro-alpha-pyrrolidinohexiophenone. Forensic Toxicology, 2020, 38, 59-69. | 2.4 | 18 |
| 26 | Use of UPLC-HRMS/MS for In Vitro and In Vivo Metabolite Identification of Three Methylphenidate-derived New Psychoactive Substances. Journal of Analytical Toxicology, 2020, 44, 156-162. | 2.8 | 1 |
| 27 | In vitro toxicokinetics and analytical toxicology of three novel NBOMe derivatives: phase I and II metabolism, plasma protein binding, and detectability in standard urine screening approaches studied by means of hyphenated mass spectrometry. Forensic Toxicology, 2020, 38, 141-159. | 2.4 | 12 |
| 28 | Method development for quantitative determination of seven statins including four active metabolites by means of high-resolution tandem mass spectrometry applicable for adherence testing and therapeutic drug monitoring. Clinical Chemistry and Laboratory Medicine, 2020, 58, 664-672. | 2.3 | 14 |
| 29 | The metabolic fate of two new psychoactive substances â^' 2â€aminoindane and Nâ€methylâ€2â€aminoindane â^' studied in vitro and in vivo to support drug testing. Drug Testing and Analysis, 2020, 12, 145-151. | 2.6 | 11 |
| 30 | Pharmacological and biotransformation studies of 1-acyl-substituted derivatives of -lysergic acid diethylamide (LSD). Neuropharmacology, 2020, 172, 107856. | 4.1 | 22 |
| 31 | Current Situation of the Metabolomics Techniques Used for the Metabolism Studies of New Psychoactive Substances. Therapeutic Drug Monitoring, 2020, 42, 93-97. | 2.0 | 9 |
| 32 | Drug Administration Routes Impact the Metabolism of a Synthetic Cannabinoid in the Zebrafish Larvae Model. Molecules, 2020, 25, 4474. | 3.8 | 19 |
| 33 | Analysis of Î±- and Î²-amanitin in Human Plasma at Subnanogram per Milliliter Levels by Reversed Phase Ultra-High Performance Liquid Chromatography Coupled to Orbitrap Mass Spectrometry. Toxins, 2020, 12, 671. | 3.4 | 14 |
| 34 | Comparison of Three Untargeted Data Processing Workflows for Evaluating LC-HRMS Metabolomics Data. Metabolites, 2020, 10, 378. | 2.9 | 21 |
| 35 | Transient Receptor Potential Vanilloid 6 (TRPV6) Proteins Control the Extracellular Matrix Structure of the Placental Labyrinth. International Journal of Molecular Sciences, 2020, 21, 9674. | 4.1 | 6 |
| 36 | Addendum: Hemmer, S., et al. Comparison of Three Untargeted Data Processing Workflows for Evaluating LC-HRMS Metabolomics Data. Metabolites 2020, 10, 378. Metabolites, 2020, 10, 432. | 2.9 | 0 |

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|---|---|---|---|
| 37 | Are pigs a suitable animal model for in vivo metabolism studies of new psychoactive substances? A comparison study using different in vitro/in vivo tools and U-47700 as model drug. Toxicology Letters, 2020, 329, 12-19. | 0.8 | 11 |
| 38 | How to Study the Metabolism of New Psychoactive Substances for the Purpose of Toxicological Screeningsâ€"A Follow-Up Study Comparing Pooled Human Liver S9, HepaRG Cells, and Zebrafish Larvae. Frontiers in Chemistry, 2020, 8, 539. | 3.6 | 31 |
| 39 | Altered glucocorticoid metabolism represents a feature of macrophâ€aging. Aging Cell, 2020, 19, e13156. | 6.7 | 24 |
| 40 | Impact of the used solvent on the reconstitution efficiency of evaporated biosamples for untargeted metabolomics studies. Metabolomics, 2020, 16, 34. | 3.0 | 8 |
| 41 | Adherence to Antihypertensive Drugs Assessed by Hyphenated Highâ€Resolution Mass Spectrometry Analysis of Oral Fluids. Journal of the American Heart Association, 2020, 9, e014180. | 3.7 | 9 |
| 42 | Development and application of a strategy for analyzing eight biomarkers in human urine to verify toxic mushroom or ricinus communis ingestions by means of hydrophilic interaction LC coupled to HRMS/MS. Talanta, 2020, 213, 120847. | 5.5 | 15 |
| 43 | Toxicokinetics and Analytical Toxicology of Flualprazolam: Metabolic Fate, Isozyme Mapping, Human Plasma Concentration and Main Urinary Excretion Products. Journal of Analytical Toxicology, 2020, 44, 549-558. | 2.8 | 20 |
| 44 | Toxicokinetic Studies and Analytical Toxicology of the New Synthetic Opioids Cyclopentanoyl-Fentanyl and Tetrahydrofuranoyl-Fentanyl. Journal of Analytical Toxicology, 2020, 44, 449-460. | 2.8 | 8 |
| 45 | Toxicokinetics and toxicodynamics of the fentanyl homologs cyclopropanoyl-1-benzyl-4Â´-fluoro-4-anilinopiperidine and furanoyl-1-benzyl-4-anilinopiperidine. Archives of Toxicology, 2020, 94, 2009-2025. | 4.2 | 19 |
| 46 | Toxicometabolomics of the new psychoactive substances Î±-PBP and Î±-PEP studied in HepaRG cell incubates by means of untargeted metabolomics revealed unexpected amino acid adducts. Archives of Toxicology, 2020, 94, 2047-2059. | 4.2 | 18 |
| 47 | In vitro glucuronidation of designer benzodiazepines by human UDPâ€glucuronyltransferases. Drug Testing and Analysis, 2019, 11, 45-50. | 2.6 | 18 |
| 48 | Blood plasma level determination using an automated LCâ€"MS<sup>n</sup> screening system and electronically stored calibrations exemplified for 22 drugs and two active metabolites often requested in emergency toxicology. Drug Testing and Analysis, 2019, 11, 102-111. | 2.6 | 11 |
| 49 | Toxicokinetics and analytical toxicology of the abused opioid Uâ€48800 â€" in vitro metabolism, metabolic stability, isozyme mapping, and plasma protein binding. Drug Testing and Analysis, 2019, 11, 1572-1580. | 2.6 | 11 |
| 50 | Phenethylamineâ€derived new psychoactive substances 2Câ€Eâ€FLY, 2Câ€Eâ€FLY, and 2Câ€Tâ€7â€FLY: Investigations on their metabolic fate including isoenzyme activities and their toxicological detectability in urine screenings. Drug Testing and Analysis, 2019, 11, 1507-1521. | 2.6 | 12 |
| 51 | Studies on the in vitro and in vivo metabolism of the synthetic opioids U-51754, U-47931E, and methoxyacetylfentanyl using hyphenated high-resolution mass spectrometry. Scientific Reports, 2019, 9, 13774. | 3.3 | 14 |
| 52 | Tools for studying the metabolism of new psychoactive substances for toxicological screening purposes â€" A comparative study using pooled human liver S9, HepaRG cells, and zebrafish larvae. Toxicology Letters, 2019, 305, 73-80. | 0.8 | 40 |
| 53 | Evaluation of novel organosilane modifications of paper spray mass spectrometry substrates for analyzing polar compounds. Talanta, 2019, 204, 677-684. | 5.5 | 9 |
| 54 | Distribution of the (synthetic) cannabinoids JWH-210, RCS-4, as well as âˆ†9-tetrahydrocannabinol following pulmonary administration to pigs. Archives of Toxicology, 2019, 93, 2211-2218. | 4.2 | 16 |

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| 55 | Development and application of a LC-HRMS/MS method for analyzing antihypertensive drugs in oral fluid for monitoring drug adherence. Analytica Chimica Acta, 2019, 1070, 69-79. | 5.4 | 19 |
| 56 | Overview of Common Designer Drugs. , 2019, , 237-246. | | 3 |
| 57 | Untargeted metabolomics by high resolution mass spectrometry coupled to normal and reversed phase liquid chromatography as a tool to study the in vitro biotransformation of new psychoactive substances. Scientific Reports, 2019, 9, 2741. | 3.3 | 34 |
| 58 | Metabolic fate of the new synthetic cannabinoid 7â€™Nâ€5Fâ€ADB in rat, human, and pooled human S9 studied by means of hyphenated highâ€resolution mass spectrometry. Drug Testing and Analysis, 2019, 11, 305-317. | 2.6 | 23 |
| 59 | Interactions of phenethylamineâ€derived psychoactive substances of the 2Câ€series with human monoamine oxidases. Drug Testing and Analysis, 2019, 11, 318-324. | 2.6 | 13 |
| 60 | Automated optimization of XCMS parameters for improved peak picking of liquid chromatographyâ€“mass spectrometry data using the coefficient of variation and parameter sweeping for untargeted metabolomics. Drug Testing and Analysis, 2019, 11, 752-761. | 2.6 | 26 |
| 61 | Cytotoxicity of new psychoactive substances and other drugs of abuse studied in human HepG2 cells using an adopted high content screening assay. Toxicology Letters, 2019, 301, 79-89. | 0.8 | 14 |
| 62 | In vitro metabolic fate of nine LSD-based new psychoactive substances and their analytical detectability in different urinary screening procedures. Analytical and Bioanalytical Chemistry, 2019, 411, 4751-4763. | 3.7 | 34 |
| 63 | Toxicokinetics of NPS: Update 2017. Handbook of Experimental Pharmacology, 2018, 252, 441-459. | 1.8 | 11 |
| 64 | Human cytochrome P450 kinetic studies on six N-2-methoxybenzyl (NBOMe)-derived new psychoactive substances using the substrate depletion approach. Toxicology Letters, 2018, 285, 1-8. | 0.8 | 19 |
| 65 | Different in vitro and in vivo tools for elucidating the human metabolism of alphaâ€cathinoneâ€derived drugs of abuse. Drug Testing and Analysis, 2018, 10, 1119-1130. | 2.6 | 23 |
| 66 | Metabolism of the tryptamineâ€derived new psychoactive substances 5â€MeOâ€2â€Meâ€DALT, 5â€MeOâ€2â€Meâ€ALCHT, and 5â€MeOâ€2â€Meâ€DIPT and their detectability in urine studied by GCâ€“MS, LCâ€“MS<sup>n</sup>, and LCâ€HRâ€MS/MS. Drug Testing and Analysis, 2018, 10, 184-195. | 2.6 | 25 |
| 67 | LC-high resolution-MS/MS for identification of 69 metabolites of the new psychoactive substance 1-(4-ethylphenyl-)-N-[(2-methoxyphenyl)methyl] propane-2-amine (4-EA-NBOMe) in rat urine and human liver S9 incubates and comparison of its screening power with further MS techniques. Analytical and Bioanalytical Chemistry, 2018, 410, 897-912. | 3.7 | 24 |
| 68 | Human urinary metabolic patterns of the designer benzodiazepines flubromazolam and pyrazolam studied by liquid chromatographyâ€“high resolution mass spectrometry. Drug Testing and Analysis, 2018, 10, 496-506. | 2.6 | 28 |
| 69 | Development of a quantitative approach in blood plasma for low-dosed hallucinogens and opioids using LC-high resolution mass spectrometry. Talanta, 2018, 176, 635-645. | 5.5 | 28 |
| 70 | Power of Orbitrapâ€based LCâ€high resolutionâ€MS/MS for comprehensive drug testing in urine with or without conjugate cleavage or using dried urine spots after onâ€spot cleavage in comparison to established LCâ€“MS<sup>n</sup> or GCâ€“MS procedures. Drug Testing and Analysis, 2018, 10, 158-163. | 2.6 | 17 |
| 71 | Nano liquid chromatography-high-resolution mass spectrometry for the identification of metabolites of the two new psychoactive substances N-(ortho-methoxybenzyl)-3,4-dimethoxyamphetamine and N-(ortho-methoxybenzyl)-4-methylmethamphetamine. Talanta, 2018, 188, 111-123. | 5.5 | 17 |
| 72 | Can toxicokinetics of (synthetic) cannabinoids in pigs after pulmonary administration be upscaled to humans by allometric techniques?. Biochemical Pharmacology, 2018, 155, 403-418. | 4.4 | 9 |

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| 73 | Inhibition and stimulation of the human breast cancer resistance protein as in vitro predictor of drugâ€“drug interactions of drugs of abuse. Archives of Toxicology, 2018, 92, 2875-2884. | 4.2 | 11 |
| 74 | Analytical characterization of N,Nâ€diallyltryptamine (DALT) and 16 ringâ€substituted derivatives. Drug Testing and Analysis, 2017, 9, 115-126. | 2.6 | 8 |
| 75 | 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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1043, 138-149. | 2.3 | 20 |
| 76 | Metabolic patterns of JWHâ€210, RCSâ€4, and THC in pig urine elucidated using LCâ€HRâ€MS/MS: Do they reflect patterns in humans?. Drug Testing and Analysis, 2017, 9, 613-625. | 2.6 | 10 |
| 77 | Screening for illicit drugs in pooled human urine and urinated soil samples and studies on the stability of urinary excretion products of cocaine, MDMA, and MDEA in wastewater by hyphenated mass spectrometry techniques. Drug Testing and Analysis, 2017, 9, 106-114. | 2.6 | 17 |
| 78 | Microbial biotransformation of five pyrrolidinophenoneâ€type psychoactive substances in wastewater and a wastewater isolated Pseudomonas putida strain. Drug Testing and Analysis, 2017, 9, 1522-1536. | 2.6 | 8 |
| 79 | Metabolic fate and detectability of the new psychoactive substances 2-(4-bromo-2,5-dimethoxyphenyl)-N- [(2-methoxyphenyl)methyl]ethanamine (25B-NBOMe) and 2-(4-chloro-2,5-dimethoxyphenyl)- N-[(2-methoxyphenyl)methyl]ethanamine (25C-NBOMe) in human and rat urine by GCâ€“MS, LCâ€“MS n , and LCâ€“HRâ€“MS/MS approaches. Journal of Pharmaceutical and Biomedical Analysis, 2017, 134, 158-169. | 2.8 | 39 |
| 80 | Dried urine spots - A novel sampling technique for comprehensive LC-MSn drug screening. Analytica Chimica Acta, 2017, 982, 112-121. | 5.4 | 28 |
| 81 | Pooled human liver preparations, HepaRG, or HepG2 cell lines for metabolism studies of new psychoactive substances? A study using MDMA, MDBD, butylone, MDPPP, MDPV, MDPB, 5-MAPB, and 5-API as examples. Journal of Pharmaceutical and Biomedical Analysis, 2017, 143, 32-42. | 2.8 | 55 |
| 82 | Liquid chromatography-high resolution-tandem mass spectrometry using Orbitrap technology for comprehensive screening to detect drugs and their metabolites in blood plasma. Analytica Chimica Acta, 2017, 965, 83-95. | 5.4 | 60 |
| 83 | In vitro monoamine oxidase inhibition potential of alpha-methyltryptamine analog new psychoactive substances for assessing possible toxic risks. Toxicology Letters, 2017, 272, 84-93. | 0.8 | 20 |
| 84 | Measuring biomarkers in wastewater as a new source of epidemiological information: Current state and future perspectives. Environment International, 2017, 99, 131-150. | 10.0 | 209 |
| 85 | Biotransformation and detectability of the new psychoactive substances N,N-diallyltryptamine (DALT) derivatives 5-fluoro-DALT, 7-methyl-DALT, and 5,6-methylenedioxy-DALT in urine using GC-MS, LC-MSn, and LC-HR-MS/MS. Analytical and Bioanalytical Chemistry, 2017, 409, 1681-1695. | 3.7 | 18 |
| 86 | An easy and fast adenosine 5â€²-diphosphate quantification procedure based on hydrophilic interaction liquid chromatography-high resolution tandem mass spectrometry for determination of the in vitro adenosine 5â€²-triphosphatase activity of the human breast cancer resistance protein ABCG2. Journal of Chromatography A, 2017, 1521, 123-130. | 3.7 | 6 |
| 87 | 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. Analytical Chemistry, 2017, 89, 11779-11786. | 6.5 | 51 |
| 88 | New psychoactive substances: Studies on the metabolism of XLR-11, AB-PINACA, FUB-PB-22, 4-methoxy-Î±-PVP, 25-I-NBOMe, and meclonazepam using human liver preparations in comparison to primary human hepatocytes, and human urine. Toxicology Letters, 2017, 280, 142-150. | 0.8 | 49 |
| 89 | A new approach towards biomarker selection in estimation of human exposure to chiral chemicals: a case study of mephedrone. Scientific Reports, 2017, 7, 13009. | 3.3 | 16 |
| 90 | High-resolution mass spectrometry in toxicology: current status and future perspectives. Archives of Toxicology, 2016, 90, 2161-2172. | 4.2 | 86 |

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| 91 | Metabolic fate of desomorphine elucidated using rat urine, pooled human liver preparations, and human hepatocyte cultures as well as its detectability using standard urine screening approaches. Analytical and Bioanalytical Chemistry, 2016, 408, 6283-6294. | 3.7 | 34 |
| 92 | Toxicokinetics of new psychoactive substances: plasma protein binding, metabolic stability, and human phase I metabolism of the synthetic cannabinoid WIN 55,212â€2 studied using in vitro tools and LCâ€HRâ€MS/MS. Drug Testing and Analysis, 2016, 8, 1039-1048. | 2.6 | 23 |
| 93 | Identification of main human urinary metabolites of the designer nitrobenzodiazepines clonazolam, meclonazepam, and nifoxipam by nano-liquid chromatography-high-resolution mass spectrometry for drug testing purposes. Analytical and Bioanalytical Chemistry, 2016, 408, 3571-3591. | 3.7 | 60 |
| 94 | Review: LC coupled to low- and high-resolution mass spectrometry for new psychoactive substance screening in biological matrices â€“ Where do we stand today?. Analytica Chimica Acta, 2016, 927, 13-20. | 5.4 | 83 |
| 95 | New psychoactive substances: an overview on recent publications on their toxicodynamics and toxicokinetics. Archives of Toxicology, 2016, 90, 2421-2444. | 4.2 | 63 |
| 96 | What is the contribution of human FMO3 in the N -oxygenation of selected therapeutic drugs and drugs of abuse?. Toxicology Letters, 2016, 258, 55-70. | 0.8 | 41 |
| 97 | 3-Fluorophenmetrazine, a fluorinated analogue of phenmetrazine: Studies on in vivo metabolism in rat and human, in vitro metabolism in human CYP isoenzymes and microbial biotransformation in Pseudomonas Putida and wastewater using GC and LC coupled to (HR)-MS techniques. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 485-495. | 2.8 | 15 |
| 98 | In vitro cytochrome P450 inhibition potential of methylenedioxy-derived designer drugs studied with a two-cocktail approach. Archives of Toxicology, 2016, 90, 305-318. | 4.2 | 28 |
| 99 | Cytochrome P450 inhibition potential of new psychoactive substances of the tryptamine class. Toxicology Letters, 2016, 241, 82-94. | 0.8 | 20 |
| 100 | Multiple stage MS in analysis of plasma, serum, urine and in vitro samples relevant to clinical and forensic toxicology. Bioanalysis, 2016, 8, 457-481. | 1.5 | 13 |
| 101 | Low resolution and high resolution MS for studies on the metabolism and toxicological detection of the new psychoactive substance methoxypiperamide (MeOP). Journal of Mass Spectrometry, 2015, 50, 1163-1174. | 1.6 | 12 |
| 102 | P-glycoprotein interactions of novel psychoactive substances â€“ Stimulation of ATP consumption and transport across Caco-2 monolayers. Biochemical Pharmacology, 2015, 94, 220-226. | 4.4 | 27 |
| 103 | Metabolic fate, mass spectral fragmentation, detectability, and differentiation in urine of the benzofuran designer drugs 6-APB and 6-MAPB in comparison to their 5-isomers using GC-MS and LC-(HR)-MSn techniques. Analytical and Bioanalytical Chemistry, 2015, 407, 3457-3470. | 3.7 | 23 |
| 104 | Analytical characterization of bioactive N -benzyl-substituted phenethylamines and 5-methoxytryptamines. Rapid Communications in Mass Spectrometry, 2015, 29, 573-584. | 1.5 | 16 |
| 105 | Studies on the metabolism and toxicological detection of the new psychoactive designer drug 2-(4-iodo-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine (25I-NBOMe) in human and rat urine using GC-MS, LC-MSn, and LC-HR-MS/MS. Analytical and Bioanalytical Chemistry, 2015, 407, 6697-6719. | 3.7 | 66 |
| 106 | In situ antibiofilm effect of glass-ionomer cement containing dimethylaminododecyl methacrylate. Dental Materials, 2015, 31, 992-1002. | 3.5 | 22 |
| 107 | First report on the pharmacokinetics of tramadol and O-desmethyltramadol in exhaled breath compared to plasma and oral fluid after a single oral dose. Biochemical Pharmacology, 2015, 98, 502-510. | 4.4 | 37 |
| 108 | Blood pressure reductions following catheter-based renal denervation are not related to improvements in adherence to antihypertensive drugs measured by urine/plasma toxicological analysis. Clinical Research in Cardiology, 2015, 104, 1097-1105. | 3.3 | 76 |

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| 109 | Toxicokinetics of lefetamine and derived diphenylethylamine designer drugsâ€"Contribution of human cytochrome P450 isozymes to their main phase I metabolic steps. Toxicology Letters, 2015, 238, 39-44. | 0.8 | 12 |
| 110 | Orbitrap technology for comprehensive metabolite-based liquid chromatographicâ€"high resolution-tandem mass spectrometric urine drug screening â€" Exemplified for cardiovascular drugs. Analytica Chimica Acta, 2015, 891, 221-233. | 5.4 | 116 |
| 111 | Metabolism of the new psychoactive substances N,N-diallyltryptamine (DALT) and 5-methoxy-DALT and their detectability in urine by GCâ€"MS, LCâ€"MS n , and LCâ€"HRâ€"MSâ€"MS. Analytical and Bioanalytical Chemistry, 2015, 407, 7831-7842. | 3.7 | 41 |
| 112 | Benzofuran analogues of amphetamine and methamphetamine: studies on the metabolism and toxicological analysis of 5-APB and 5-MAPB in urine and plasma using GC-MS and LC-(HR)-MSn techniques. Analytical and Bioanalytical Chemistry, 2015, 407, 1371-1388. | 3.7 | 61 |
| 113 | Witnessed drug intake before planned denervationâ€"Always harmless?. International Journal of Cardiology, 2015, 179, 125-126. | 1.7 | 8 |
| 114 | Contribution of human esterases to the metabolism of selected drugs of abuse. Toxicology Letters, 2015, 232, 159-166. | 0.8 | 28 |
| 115 | Elucidation of the metabolites of the novel psychoactive substance 4â€methylâ€Nâ€ethylâ€cathinone (4â€MEC) in human urine and pooled liver microsomes by GCâ€MS and LCâ€HRâ€MS/MS techniques and of its detectability by GCâ€MS or LCâ€MS<sup>n</sup> standard screening approaches. Drug Testing and Analysis, 2015, 7, 368-375. | 2.6 | 43 |
| 116 | Biotransformation and detectability of the designer drug 2,5-dimethoxy-4-propylphenethylamine (2C-P) studied in urine by GC-MS, LC-MS n , and LC-high-resolution-MS n. Analytical and Bioanalytical Chemistry, 2015, 407, 831-843. | 3.7 | 13 |
| 117 | Current position of high-resolution MS for drug quantification in clinical & forensic toxicology. Bioanalysis, 2014, 6, 2275-2284. | 1.5 | 41 |
| 118 | Forensic and clinical toxicology. Bioanalysis, 2014, 6, 2187-2187. | 1.5 | 2 |
| 119 | Direct analysis of the mushroom poisons Î±- and Î²-amanitin in human urine using a novel on-line turbulent flow chromatography mode coupled to liquid chromatographyâ€"high resolution-mass spectrometry/mass spectrometry. Journal of Chromatography A, 2014, 1325, 92-98. | 3.7 | 43 |
| 120 | Dimethocaine, a synthetic cocaine analogue: studies on its in-vivo metabolism and its detectability in urine by means of a rat model and liquid chromatographyâ€"linear ion-trap (high-resolution) mass spectrometry. Analytical and Bioanalytical Chemistry, 2014, 406, 1845-1854. | 3.7 | 20 |
| 121 | Studies on the metabolism and the detectability of 4-methyl-amphetamine and its isomers 2-methyl-amphetamine and 3-methyl-amphetamine in rat urine using GC-MS and LC-(high-resolution)-MS n. Analytical and Bioanalytical Chemistry, 2014, 406, 1957-1974. | 3.7 | 30 |
| 122 | A qualitative/quantitative approach for the detection of 37 tryptamine-derived designer drugs, 5 Î²-carbolines, ibogaine, and yohimbine in human urine and plasma using standard urine screening and multi-analyte approaches. Analytical and Bioanalytical Chemistry, 2014, 406, 225-237. | 3.7 | 34 |
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