

# Volker Auwärter

## List of Publications by Year in descending order

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175  
papers

7,398  
citations

50170

46  
h-index

69108

77  
g-index

182  
all docs

182  
docs citations

182  
times ranked

3980  
citing authors

#	ARTICLE	IF	CITATIONS
1	â€˜Spiceâ€™™ and other herbal blends: harmless incense or cannabinoid designer drugs?. <i>Journal of Mass Spectrometry</i> , 2009, 44, 832-837.	0.7	588
2	Acute toxicity due to the confirmed consumption of synthetic cannabinoids: clinical and laboratory findings. <i>Addiction</i> , 2013, 108, 534-544.	1.7	397
3	Monitoring of herbal mixtures potentially containing synthetic cannabinoids as psychoactive compounds. <i>Journal of Mass Spectrometry</i> , 2010, 45, 1186-1194.	0.7	268
4	Detection and Activity Profiling of Synthetic Cannabinoids and Their Metabolites with a Newly Developed Bioassay. <i>Analytical Chemistry</i> , 2016, 88, 11476-11485.	3.2	193
5	Comparison of ethyl glucuronide and fatty acid ethyl ester concentrations in hair of alcoholics, social drinkers and teetotalers. <i>Forensic Science International</i> , 2004, 145, 167-173.	1.3	174
6	Analysis of fatty acid ethyl esters in hair as possible markers of chronically elevated alcohol consumption by headspace solid-phase microextraction (HS-SPME) and gas chromatography-mass spectrometry (GC-MS). <i>Forensic Science International</i> , 2001, 121, 76-88.	1.3	147
7	Kinetics in serum and urinary excretion of ethyl sulfate and ethyl glucuronide after medium dose ethanol intake. <i>International Journal of Legal Medicine</i> , 2008, 122, 123-128.	1.2	137
8	Identification of the major urinary metabolites in man of seven synthetic cannabinoids of the aminoalkylindole type present as adulterants in â€˜herbal mixturesâ€™™ using LCâ€ˆMS/MS techniques. <i>Journal of Mass Spectrometry</i> , 2012, 47, 54-65.	0.7	133
9	Development and validation of a liquid chromatographyâ€ˆtandem mass spectrometry method for the quantitation of synthetic cannabinoids of the aminoalkylindole type and methanandamide in serum and its application to forensic samples. <i>Journal of Mass Spectrometry</i> , 2011, 46, 163-171.	0.7	131
10	Analysis of 30 synthetic cannabinoids in serum by liquid chromatographyâ€ˆelectrospray ionization tandem mass spectrometry after liquidâ€ˆliquid extraction. <i>Journal of Mass Spectrometry</i> , 2012, 47, 825-835.	0.7	121
11	Identification of 48 homologues of phosphatidylethanol in blood by LC-ESI-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2415-2423.	1.9	119
12	Intrahepatic Cholestasis Following Abuse of Powdered Kratom ( <i>Mitragyna speciosa</i> ). <i>Journal of Medical Toxicology</i> , 2011, 7, 227-231.	0.8	116
13	Determination of 22 synthetic cannabinoids in human hair by liquid chromatographyâ€ˆtandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 903, 95-101.	1.2	104
14	Driving under the influence of synthetic cannabinoids (â€ˆSpiceâ€™): a case series. <i>International Journal of Legal Medicine</i> , 2014, 128, 59-64.	1.2	101
15	Characteristics of the designer drug and synthetic cannabinoid receptor agonist AMâ€ˆ2201 regarding its chemistry and metabolism. <i>Journal of Mass Spectrometry</i> , 2013, 48, 885-894.	0.7	94
16	Metabolic Pathways and Potencies of New Fentanyl Analogs. <i>Frontiers in Pharmacology</i> , 2019, 10, 238.	1.6	94
17	CONCENTRATION OF FATTY ACID ETHYL ESTERS IN HAIR OF ALCOHOLICS: COMPARISON TO OTHER BIOLOGICAL STATE MARKERS AND SELF REPORTED-ETHANOL INTAKE. <i>Alcohol and Alcoholism</i> , 2004, 39, 33-38.	0.9	93
18	Effect of hair care and hair cosmetics on the concentrations of fatty acid ethyl esters in hair as markers of chronically elevated alcohol consumption. <i>Forensic Science International</i> , 2003, 131, 90-97.	1.3	90

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19	Continuous microfluidic DNA extraction using phase-transfer magnetophoresis. <i>Lab on A Chip</i> , 2010, 10, 3284.	3.1	86
20	Detection and identification of the designer benzodiazepine flubromazepam and preliminary data on its metabolism and pharmacokinetics. <i>Journal of Mass Spectrometry</i> , 2013, 48, 1150-1159.	0.7	81
21	Designer benzodiazepines: A new challenge. <i>World Psychiatry</i> , 2015, 14, 248-248.	4.8	81
22	Activity-Based Detection of Consumption of Synthetic Cannabinoids in Authentic Urine Samples Using a Stable Cannabinoid Reporter System. <i>Analytical Chemistry</i> , 2017, 89, 9527-9536.	3.2	81
23	Detection of the recently emerged synthetic cannabinoid 5F- <i>MDMB-PICA</i> in "legal high"™ products and human urine samples. <i>Drug Testing and Analysis</i> , 2018, 10, 196-205.	1.6	78
24	Post-Mortem Toxicology: A Systematic Review of Death Cases Involving Synthetic Cannabinoid Receptor Agonists. <i>Frontiers in Psychiatry</i> , 2020, 11, 464.	1.3	77
25	Characterization of the designer benzodiazepine diclazepam and preliminary data on its metabolism and pharmacokinetics. <i>Drug Testing and Analysis</i> , 2014, 6, 757-763.	1.6	75
26	Three fatalities associated with the synthetic cannabinoids 5F-ADB, 5F-PB-22, and AB-CHMINACA. <i>Forensic Science International</i> , 2017, 281, e9-e15.	1.3	74
27	Acute intoxication by synthetic cannabinoids " Four case reports. <i>Drug Testing and Analysis</i> , 2013, 5, 790-794.	1.6	73
28	Analysis of 30 synthetic cannabinoids in oral fluid using liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2013, 5, 657-669.	1.6	67
29	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. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6697-6719.	1.9	66
30	Selective detection of phosphatidylethanol homologues in blood as biomarkers for alcohol consumption by LC-ESI-MS/MS. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1293-1299.	0.7	61
31	Hair analysis for "9-tetrahydrocannabinolic acid "New insights into the mechanism of drug incorporation of cannabinoids into hair. <i>Forensic Science International</i> , 2010, 196, 10-13.	1.3	60
32	LC/ESI-MS/MS method for quantification of 28 synthetic cannabinoids in neat oral fluid and its application to preliminary studies on their detection windows. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 4691-4706.	1.9	60
33	Separation and structural characterization of the synthetic cannabinoids JWH-412 and 1-[(5-fluoropentyl)-1H-indol-3yl]-(4-methylnaphthalen-1-yl)methanone using GC-MS, NMR analysis and a flash chromatography system. <i>Forensic Science International</i> , 2012, 220, e17-e22.	1.3	59
34	Characterization of the four designer benzodiazepines clonazolam, deschloroetizolam, flubromazolam, and meclonazepam, and identification of their in vitro metabolites. <i>Forensic Toxicology</i> , 2015, 33, 388-395.	1.4	58
35	Toxicological profiles of selected synthetic cannabinoids showing high binding affinities to the cannabinoid receptor subtype CB1. <i>Archives of Toxicology</i> , 2013, 87, 1287-1297.	1.9	57
36	Designer Benzodiazepines: Another Class of New Psychoactive Substances. <i>Handbook of Experimental Pharmacology</i> , 2018, 252, 383-410.	0.9	56

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37	Urine tested positive for ethyl glucuronide after trace amounts of ethanol. <i>Addiction</i> , 2009, 104, 2007-2012.	1.7	54
38	Phase I metabolism of the highly potent synthetic cannabinoid MDMB-CHMICA and detection in human urine samples. <i>Drug Testing and Analysis</i> , 2017, 9, 744-753.	1.6	54
39	Toxicological analysis after asphyxial suicide with helium and a plastic bag. <i>Forensic Science International</i> , 2007, 170, 139-141.	1.3	51
40	Finding cannabinoids in hair does not prove cannabis consumption. <i>Scientific Reports</i> , 2015, 5, 14906.	1.6	51
41	Investigation of the in vitro toxicological properties of the synthetic cannabimimetic drug CP-47,497-C8. <i>Toxicology and Applied Pharmacology</i> , 2014, 277, 164-171.	1.3	50
42	FATTY ACID ETHYL ESTERS IN SCALP, PUBIC, AXILLARY, BEARD AND BODY HAIR AS MARKERS FOR ALCOHOL MISUSE. <i>Alcohol and Alcoholism</i> , 2003, 38, 163-167.	0.9	49
43	Hair analysis for THCA, THC and CBN after passive <i>in vivo</i> exposure to marijuana smoke. <i>Drug Testing and Analysis</i> , 2014, 6, 119-125.	1.6	49
44	Genotoxic properties of representatives of alkylindazoles and aminoalkyl-indoles which are consumed as synthetic cannabinoids. <i>Food and Chemical Toxicology</i> , 2015, 80, 130-136.	1.8	49
45	Flubromazolam – Basic pharmacokinetic evaluation of a highly potent designer benzodiazepine. <i>Drug Testing and Analysis</i> , 2018, 10, 206-211.	1.6	49
46	Studies on the metabolism of the $\Delta^9$ -tetrahydrocannabinol precursor $\Delta^9$ -tetrahydrocannabinolic acid A ( $\Delta^9$ -THCA) in rat using LC-MS/MS, LC-QTOF MS and GC-MS techniques. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1423-1433.		48
47	A comprehensive library-based, automated screening procedure for 46 synthetic cannabinoids in serum employing liquid chromatography-quadrupole ion trap mass spectrometry with high-temperature electrospray ionization. <i>Journal of Mass Spectrometry</i> , 2014, 49, 117-127.	0.7	47
48	Adverse effects after the use of JWH-210 – a case series from the EU Spice II plus project. <i>Drug Testing and Analysis</i> , 2016, 8, 1030-1038.	1.6	47
49	Identification of the cannabimimetic AM-1220 and its azepane isomer (N-methylazepan-3-yl)-3-(1-naphthoyl)indole in a research chemical and several herbal mixtures. <i>Forensic Toxicology</i> , 2012, 30, 126-134.	1.4	46
50	Characterization of the designer benzodiazepine pyrazolam and its detectability in human serum and urine. <i>Forensic Toxicology</i> , 2013, 31, 263-271.	1.4	46
51	Immunoassay screening in urine for synthetic cannabinoids – an evaluation of the diagnostic efficiency. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017, 55, 1375-1384.	1.4	46
52	Acute side effects after consumption of the new synthetic cannabinoids AB-CHMINACA and MDMB-CHMICA. <i>Clinical Toxicology</i> , 2018, 56, 404-411.	0.8	46
53	Metabolites of synthetic cannabinoids in hair – “proof of consumption or false friends for interpretation?”. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3445-3452.	1.9	45
54	Ethyl sulphate and ethyl glucuronide in vitreous humor as postmortem evidence marker for ethanol consumption prior to death. <i>Forensic Science International</i> , 2011, 210, 63-68.	1.3	44

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55	Activity-Based Detection of Cannabinoids in Serum and Plasma Samples. <i>Clinical Chemistry</i> , 2018, 64, 918-926.	1.5	44
56	Detection of the recently emerged synthetic cannabinoid 4F-MDMB-BINACA in "legal high" products and human urine specimens. <i>Drug Testing and Analysis</i> , 2019, 11, 1377-1386.	1.6	44
57	Development and validation of an LC-MS/MS method for quantification of $\delta^9$ -tetrahydrocannabinolic acid A (THCA-A), THC, CBN and CBD in hair. <i>Journal of Mass Spectrometry</i> , 2013, 48, 227-233.	0.7	43
58	Assessment of Alcohol Use Among Methadone Maintenance Patients by Direct Ethanol Metabolites and Self-Reports. <i>Alcoholism: Clinical and Experimental Research</i> , 2008, 32, 1552-1557.	1.4	42
59	Urine tested positive for ethyl glucuronide and ethyl sulphate after the consumption of "non-alcoholic" beer. <i>Forensic Science International</i> , 2010, 202, 82-85.	1.3	42
60	Identification and structural characterization of the synthetic cannabinoid 3-(1-adamantoyl)-1-pentylindole as an additive in "herbal incense"™. <i>Journal of Mass Spectrometry</i> , 2012, 47, 195-200.	1.7	42
61	Drug dosing error with drops" severe clinical course of codeine intoxication in twins. <i>European Journal of Pediatrics</i> , 2009, 168, 819-824.	1.3	39
62	Pharmacokinetics of GHB and detection window in serum and urine after single uptake of a low dose of GBL " an experiment with two volunteers. <i>Drug Testing and Analysis</i> , 2014, 6, 363-366.	1.6	39
63	Determination of $\delta^9$ -tetrahydrocannabinolic acid A ( $\delta^9$ -THCA-A) in whole blood and plasma by LC-MS/MS and application in authentic samples from drivers suspected of driving under the influence of cannabis. <i>Forensic Science International</i> , 2014, 243, 130-136.	1.3	38
64	Characterization and <i>in vitro</i> phase I microsomal metabolism of designer benzodiazepines " an update comprising adinazolam, cloniprazepam, fonazepam, 3-hydroxyphenazepam, metizolam and nitrazolam. <i>Journal of Mass Spectrometry</i> , 2016, 51, 1080-1089.	0.7	38
65	Measurement of direct ethanol metabolites in a case of a former driving under the influence (DUI) of alcohol offender, now claiming abstinence. <i>International Journal of Legal Medicine</i> , 2008, 122, 235-239.	1.2	37
66	Mixed intoxication by the synthetic opioid U-47700 and the benzodiazepine flubromazepam with lethal outcome: Pharmacokinetic data. <i>Drug Testing and Analysis</i> , 2018, 10, 1336-1341.	1.6	37
67	Structural characterization and pharmacological evaluation of the new synthetic cannabinoid CUMYL-PEGACLONE. <i>Drug Testing and Analysis</i> , 2018, 10, 597-603.	1.6	37
68	Functional evaluation of carboxy metabolites of synthetic cannabinoid receptor agonists featuring scaffolds based on L-valine or L-tert-leucine. <i>Drug Testing and Analysis</i> , 2019, 11, 1183-1191.	1.6	37
69	Fatal and severe codeine intoxication in 3-year-old twins" interpretation of drug and metabolite concentrations. <i>International Journal of Legal Medicine</i> , 2009, 123, 387-394.	1.2	36
70	Inhomogeneities in herbal mixtures: a serious risk for consumers. <i>Forensic Toxicology</i> , 2015, 33, 54-60.	1.4	36
71	Postmortem concentrations of the synthetic opioid U-47700 in 26 fatalities associated with the drug. <i>Forensic Science International</i> , 2019, 301, e20-e28.	1.3	35
72	Argon Mediates Anti-Apoptotic Signaling and Neuroprotection via Inhibition of Toll-Like Receptor 2 and 4. <i>PLoS ONE</i> , 2015, 10, e0143887.	1.1	32

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73	Wipe-test and patch-test for alcohol misuse based on the concentration ratio of fatty acid ethyl esters and squalene CFAEE/CSQ in skin surface lipids. <i>Forensic Science International</i> , 2004, 143, 77-86.	1.3	31
74	Cannabinoid findings in children hair – what do they really tell us? An assessment in the light of three different analytical methods with focus on interpretation of $\delta^9$ -tetrahydrocannabinolic acid A concentrations. <i>Drug Testing and Analysis</i> , 2015, 7, 349-357.	1.6	31
75	Impact of Novel Psychoactive Substances on Clinical and Forensic Toxicology and Global Public Health. <i>Clinical Chemistry</i> , 2017, 63, 1564-1569.	1.5	31
76	Reply to –Sudden Cardiac Death Following Use of the Synthetic Cannabinoid MDMB-CHMICA–. <i>Journal of Analytical Toxicology</i> , 2016, 40, 240-242.	1.7	30
77	Synthetic cannabinoids in hair – Pragmatic approach for method updates, compound prevalences and concentration ranges in authentic hair samples. <i>Analytica Chimica Acta</i> , 2018, 1006, 61-73.	2.6	30
78	Urine tested positive for ethyl glucuronide and ethyl sulfate after the consumption of yeast and sugar. <i>Forensic Science International</i> , 2010, 202, e45-e47.	1.3	29
79	Rapid isolation procedure for $\delta^9$ -tetrahydrocannabinolic acid A (THCA) from <i>Cannabis sativa</i> using two flash chromatography systems. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3059-3064.	1.2	29
80	Sensitive quantification of clozapine and its main metabolites norclozapine and clozapine-N-oxide in serum and urine using LC-MS/MS after simple liquid–liquid extraction work-up. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 737-746.	1.9	29
81	Phase I metabolism of the recently emerged synthetic cannabinoid CUMYL- $\beta$ -PACLONE and detection in human urine samples. <i>Drug Testing and Analysis</i> , 2018, 10, 886-891.	1.6	28
82	5F-Cumyl-PINACA in e-liquids for electronic cigarettes: comprehensive characterization of a new type of synthetic cannabinoid in a trendy product including investigations on the in vitro and in vivo phase I metabolism of 5F-Cumyl-PINACA and its non-fluorinated analog Cumyl-PINACA. <i>Forensic Toxicology</i> , 2019, 37, 186-196.	1.4	28
83	A transnational perspective on the evolution of the synthetic cannabinoid receptor agonists market: Comparing prison and general populations. <i>Drug Testing and Analysis</i> , 2021, 13, 841-852.	1.6	28
84	–Psychotropics caught in a trap– Adopting a screening approach to specific needs. <i>Forensic Science International</i> , 2014, 243, 84-89.	1.3	26
85	Cocktail Approach for In Vivo Phenotyping of 5 Major CYP450 Isoenzymes: Development of an Effective Sampling, Extraction, and Analytical Procedure and Pilot Study With Comparative Genotyping. <i>Journal of Clinical Pharmacology</i> , 2012, 52, 1200-1214.	1.0	25
86	Determination of medicinal and illicit drugs in post mortem dental hard tissues and comparison with analytical results for body fluids and hair samples. <i>Forensic Science International</i> , 2016, 265, 166-171.	1.3	25
87	Squalene in hair – a natural reference substance for the improved interpretation of fatty acid ethyl ester concentrations with respect to alcohol misuse. <i>Forensic Science International</i> , 2004, 145, 149-159.	1.3	24
88	Neuroprotection by Argon Ventilation after Perinatal Asphyxia: A Safety Study in Newborn Piglets. <i>PLoS ONE</i> , 2014, 9, e113575.	1.1	24
89	Structure-metabolism relationships of valine and tert-leucine-derived synthetic cannabinoid receptor agonists: a systematic comparison of the in vitro phase I metabolism using pooled human liver microsomes and high-resolution mass spectrometry. <i>Forensic Toxicology</i> , 2019, 37, 316-329.	1.4	24
90	Analytical investigations in a death case by suffocation in an argon atmosphere. <i>Forensic Science International</i> , 2004, 143, 169-175.	1.3	22

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91	Sevoflurane-Mediated Activation of p38-Mitogen-Activated Stresskinase is Independent of Apoptosis in Jurkat T-Cells. <i>Anesthesia and Analgesia</i> , 2008, 106, 1150-1160.	1.1	22
92	Separation and structural characterization of the new synthetic cannabinoid JWH-018 cyclohexyl methyl derivative using flash chromatography, GC-MS, IR and NMR spectroscopy. <i>Forensic Science International</i> , 2016, 266, e93-e98.	1.3	22
93	Complex suicide by ethanol intoxication and inhalation of fire fumes in an old lady: Interdisciplinary elucidation including post-mortem analysis of congener alcohols. <i>Forensic Science International</i> , 2011, 209, e11-e15.	1.3	21
94	Stability of 11 prevalent synthetic cannabinoids in authentic neat oral fluid samples: glass versus polypropylene containers at different temperatures. <i>Drug Testing and Analysis</i> , 2013, 5, 602-606.	1.6	21
95	Hair analysis for $\Delta^9$ -tetrahydrocannabinolic acid A (THCA) and $\Delta^9$ -tetrahydrocannabinol (THC) after handling cannabis plant material. <i>Drug Testing and Analysis</i> , 2016, 8, 128-132.	1.6	21
96	Detection and phase I metabolism of the 7-azaindole-derived synthetic cannabinoid 5F-Cumyl-PEGACLONE including a preliminary pharmacokinetic evaluation. <i>Drug Testing and Analysis</i> , 2020, 12, 78-91.	1.6	21
97	Four cases of death involving the novel synthetic cannabinoid 5F-Cumyl-PEGACLONE. <i>Forensic Toxicology</i> , 2020, 38, 314-326.	1.4	21
98	Acute severe intoxication with cyclopropylfentanyl, a novel synthetic opioid. <i>Toxicology Letters</i> , 2020, 320, 109-112.	0.4	21
99	Impact of legislation on NPS markets in Germany – The rise and fall of 5F-Cumyl-PEGACLONE. <i>Drug Testing and Analysis</i> , 2020, 12, 853-856.	1.6	21
100	Cumyl- $\Delta^9$ -THC: A new synthetic cannabinoid receptor agonist containing a cyclobutyl methyl side chain. <i>Drug Testing and Analysis</i> , 2021, 13, 208-216.	1.6	21
101	Cannabinoid Receptor 2 Signaling Does Not Modulate Atherogenesis in Mice. <i>PLoS ONE</i> , 2011, 6, e19405.	1.1	21
102	Analysis of synthetic cannabinoids in abstinence control: long drug detection windows in serum and implications for practitioners. <i>Drug Testing and Analysis</i> , 2014, 6, 135-136.	1.6	20
103	Impact of a synthetic cannabinoid (CP-47,497-C8) on protein expression in human cells: evidence for induction of inflammation and DNA damage. <i>Archives of Toxicology</i> , 2016, 90, 1369-1382.	1.9	20
104	Neurobiological Aspects of Mindfulness in Pain Autoregulation: Unexpected Results from a Randomized-Controlled Trial and Possible Implications for Meditation Research. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 674.	1.0	20
105	Validation of an LC-MS/MS method for the quantitative analysis of 1P-LSD and its tentative metabolite LSD in fortified urine and serum samples including stability tests for 1P-LSD under different storage conditions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 174, 270-276.	1.4	20
106	<i>In vitro</i> metabolism of the synthetic cannabinoid 3,5-dimethyl-1-(1-piperonyl)-4-piperonylpyridine and its 5,3-regioisomer and investigation of their thermal stability. <i>Drug Testing and Analysis</i> , 2017, 9, 311-316.	1.6	19
107	Systematic evaluation of a panel of 30 synthetic cannabinoid receptor agonists structurally related to MMB-4-en-PICA, MDMB-4-en-PINACA, ADB-4-en-PINACA, and MMB-4-CN-BUTINACA using a combination of binding and different CB <sub>1</sub> receptor activation assays: Part I – Synthesis, analytical characterization, and binding affinity for human CB <sub>1</sub> receptors. <i>Drug Testing and Analysis</i> , 2021, 13, 1383-1401.	1.6	19
108	Development and validation of a rapid LC-MS/MS method for the detection of 182 novel psychoactive substances in whole blood. <i>Drug Testing and Analysis</i> , 2022, 14, 202-223.	1.6	19

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109	Functional residual capacity measurement by heptafluoropropane in ventilated newborn lungs: In vitro and in vivo validation. <i>Critical Care Medicine</i> , 2006, 34, 1789-1795.	0.4	18
110	Systematic evaluation of a panel of 30 synthetic cannabinoid receptor agonists structurally related to MMBâ€4enâ€PICA, MDMBâ€4enâ€PINACA, ADBâ€4enâ€PINACA, and MMBâ€4CNâ€BUTINACA using a combination of binding and different CB<sub>1</sub> receptor activation assaysâ€”Part II: Structure activity relationship assessment via a Î²â€arrestin recruitment assay. <i>Drug Testing and Analysis</i> , 2021, 13, 1402-1411.	1.6	18
111	Betel Nut Chewing in Iron Age Vietnam? Detection of Areca catechu Alkaloids in Dental Enamel. <i>Journal of Psychoactive Drugs</i> , 2017, 49, 11-17.	1.0	17
112	Human phase I metabolism of the novel synthetic cannabinoid 5F-CUMYL-PEGACLONE. <i>Forensic Toxicology</i> , 2019, 37, 154-163.	1.4	17
113	Substances detected in used syringes of injecting drug users across 7 cities in Europe in 2017 and 2018: The European Syringe Collection and Analysis Project Enterprise (ESCAPE). <i>International Journal of Drug Policy</i> , 2021, 95, 103130.	1.6	17
114	Characterization and in vitro phase I microsomal metabolism of designer benzodiazepines: An update comprising flunitrazolam, norflurazepam, and 4'â€chlorodiazepam (Ro5â€4864). <i>Drug Testing and Analysis</i> , 2019, 11, 541-549.	1.6	16
115	Cumylâ€PEGACLONE: A comparatively safe new synthetic cannabinoid receptor agonist entering the NPS market?. <i>Drug Testing and Analysis</i> , 2019, 11, 347-349.	1.6	16
116	A fast and inexpensive procedure for the isolation of synthetic cannabinoids from â€Spiceâ€™ products using a flash chromatography system. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3929-3935.	1.9	15
117	Hair analysis of synthetic cannabinoids: does the handling of herbal mixtures affect the analystâ€™s hair concentration?. <i>Forensic Toxicology</i> , 2015, 33, 37-44.	1.4	15
118	Genotoxic properties of XLR-11, a widely consumed synthetic cannabinoid, and of the benzoyl indole RCS-4. <i>Archives of Toxicology</i> , 2016, 90, 3111-3123.	1.9	15
119	Phase I metabolism of the carbazoleâ€derived synthetic cannabinoids EGâ€018, EGâ€2201, and MDMBâ€CHMCZCA and detection in human urine samples. <i>Drug Testing and Analysis</i> , 2018, 10, 1417-1429.	1.6	15
120	The Novel Psychoactive Substance Cumyl-CH-MEGACLONE: Human Phase-I Metabolism, Basic Pharmacological Characterization and Comparison to Other Synthetic Cannabinoid Receptor Agonists with a Î³-Caroline-1-One Core. <i>Journal of Analytical Toxicology</i> , 2021, 45, 277-290.	1.7	15
121	New synthetic cannabinoids carrying a cyclobutyl methyl side chain: Human Phase I metabolism and data on human cannabinoid receptor 1 binding and activation of Cumylâ€CBMICA and Cumylâ€CBMINACA. <i>Drug Testing and Analysis</i> , 2021, 13, 1499-1515.	1.6	15
122	Hair analysis for JWH-018, JWH-122, and JWH-210 after passive in vivo exposure to synthetic cannabinoid smoke. <i>Forensic Toxicology</i> , 2015, 33, 69-76.	1.4	14
123	Systematic evaluation of a panel of 30 synthetic cannabinoid receptor agonists structurally related to MMBâ€4enâ€PICA, MDMBâ€4enâ€PINACA, ADBâ€4enâ€PINACA, and MMBâ€4CNâ€BUTINACA using a combination of binding and different CB1 receptor activation assays. Part III: The G protein pathway and critical comparison of different assays. <i>Drug Testing and Analysis</i> , 2021, 13, 1412-1429.	1.6	14
124	Metabolism of Nine Synthetic Cannabinoid Receptor Agonists Encountered in Clinical Casework: Major in vivo Phase I Metabolites of AM-694, AM-2201, JWH-007, JWH-019, JWH-203, JWH-307, MAM-2201, UR-144 and XLR-11 in Human Urine Using LC-MS/MS. <i>Current Pharmaceutical Biotechnology</i> , 2018, 19, 144-162.	0.9	14
125	Bad trip due to 25I-NBOMe: a case report from the EU project SPICE II plus. <i>Clinical Toxicology</i> , 2017, 55, 922-924.	0.8	13
126	Synthetic Cannabinoid Receptor Agonists. , 2013, , 317-343.		12



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