

# Volker Auwarter

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3297372/volker-auwarter-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

169  
papers

5,923  
citations

42  
h-index

70  
g-index

182  
ext. papers

6,756  
ext. citations

3.3  
avg, IF

6.03  
L-index

#	Paper	IF	Citations
169	'Spice' and other herbal blends: harmless incense or cannabinoid designer drugs?. <i>Journal of Mass Spectrometry</i> , <b>2009</b> , 44, 832-7	2.2	512
168	Acute toxicity due to the confirmed consumption of synthetic cannabinoids: clinical and laboratory findings. <i>Addiction</i> , <b>2013</b> , 108, 534-44	4.6	337
167	Monitoring of herbal mixtures potentially containing synthetic cannabinoids as psychoactive compounds. <i>Journal of Mass Spectrometry</i> , <b>2010</b> , 45, 1186-94	2.2	237
166	Comparison of ethyl glucuronide and fatty acid ethyl ester concentrations in hair of alcoholics, social drinkers and teetotalers. <i>Forensic Science International</i> , <b>2004</b> , 145, 167-73	2.6	158
165	Detection and Activity Profiling of Synthetic Cannabinoids and Their Metabolites with a Newly Developed Bioassay. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 11476-11485	7.8	142
164	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> , <b>2001</b> , 121, 76-88	2.6	132
163	Identification of the major urinary metabolites in man of seven synthetic cannabinoids of the aminoalkylindole type present as adulterants in 'herbal mixtures' using LC-MS/MS techniques. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 54-65	2.2	125
162	Development and validation of a liquid chromatography-tandem 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> , <b>2011</b> , 46, 163-71	2.2	124
161	Kinetics in serum and urinary excretion of ethyl sulfate and ethyl glucuronide after medium dose ethanol intake. <i>International Journal of Legal Medicine</i> , <b>2008</b> , 122, 123-8	3.1	116
160	Analysis of 30 synthetic cannabinoids in serum by liquid chromatography-electrospray ionization tandem mass spectrometry after liquid-liquid extraction. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 825-35	2.2	110
159	Intrahepatic cholestasis following abuse of powdered kratom ( <i>Mitragyna speciosa</i> ). <i>Journal of Medical Toxicology</i> , <b>2011</b> , 7, 227-31	2.6	97
158	Determination of 22 synthetic cannabinoids in human hair by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2012</b> , 903, 95-101	3.2	94
157	Driving under the influence of synthetic cannabinoids ("Spice"): a case series. <i>International Journal of Legal Medicine</i> , <b>2014</b> , 128, 59-64	3.1	87
156	Identification of 48 homologues of phosphatidylethanol in blood by LC-ESI-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 396, 2415-23	4.4	84
155	Characteristics of the designer drug and synthetic cannabinoid receptor agonist AM-2201 regarding its chemistry and metabolism. <i>Journal of Mass Spectrometry</i> , <b>2013</b> , 48, 885-94	2.2	83
154	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> , <b>2003</b> , 131, 90-7	2.6	82
153	Continuous microfluidic DNA extraction using phase-transfer magnetophoresis. <i>Lab on A Chip</i> , <b>2010</b> , 10, 3284-90	7.2	79

152	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> , <b>2004</b> , 39, 33-8	3.5	78
151	Designer benzodiazepines: A new challenge. <i>World Psychiatry</i> , <b>2015</b> , 14, 248	14.4	67
150	Detection and identification of the designer benzodiazepine flubromazepam and preliminary data on its metabolism and pharmacokinetics. <i>Journal of Mass Spectrometry</i> , <b>2013</b> , 48, 1150-9	2.2	66
149	Acute intoxication by synthetic cannabinoids--four case reports. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 790-4	3.5	65
148	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-MS(n), and LC-HR-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 6697-719	4.4	63
147	Characterization of the designer benzodiazepine diclazepam and preliminary data on its metabolism and pharmacokinetics. <i>Drug Testing and Analysis</i> , <b>2014</b> , 6, 757-63	3.5	63
146	Analysis of 30 synthetic cannabinoids in oral fluid using liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 657-69	3.5	61
145	Activity-Based Detection of Consumption of Synthetic Cannabinoids in Authentic Urine Samples Using a Stable Cannabinoid Reporter System. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9527-9536	7.8	61
144	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> , <b>2012</b> , 220, e17-22	2.6	57
143	Metabolic Pathways and Potencies of New Fentanyl Analogs. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 238	5.6	56
142	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> , <b>2013</b> , 405, 4691-706	4.4	56
141	Selective detection of phosphatidylethanol homologues in blood as biomarkers for alcohol consumption by LC-ESI-MS/MS. <i>Journal of Mass Spectrometry</i> , <b>2009</b> , 44, 1293-9	2.2	55
140	Hair analysis for Delta9-tetrahydrocannabinolic acid A--new insights into the mechanism of drug incorporation of cannabinoids into hair. <i>Forensic Science International</i> , <b>2010</b> , 196, 10-3	2.6	53
139	Three fatalities associated with the synthetic cannabinoids 5F-ADB, 5F-PB-22, and AB-CHMINACA. <i>Forensic Science International</i> , <b>2017</b> , 281, e9-e15	2.6	51
138	Characterization of the four designer benzodiazepines clonazolam, deschloroetizolam, flubromazolam, and meclonazepam, and identification of their in vitro metabolites. <i>Forensic Toxicology</i> , <b>2015</b> , 33, 388-395	2.6	50
137	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> , <b>2012</b> , 30, 126-134	2.6	46
136	Urine tested positive for ethyl glucuronide after trace amounts of ethanol. <i>Addiction</i> , <b>2009</b> , 104, 2007-12	4.6	46
135	Toxicological profiles of selected synthetic cannabinoids showing high binding affinities to the cannabinoid receptor subtype CB1. <i>Archives of Toxicology</i> , <b>2013</b> , 87, 1287-97	5.8	45

134	Adverse effects after the use of JWH-210 - a case series from the EU Spice II plus project. <i>Drug Testing and Analysis</i> , <b>2016</b> , 8, 1030-1038	3.5	44
133	Phase I metabolism of the highly potent synthetic cannabinoid MDMB-CHMICA and detection in human urine samples. <i>Drug Testing and Analysis</i> , <b>2017</b> , 9, 744-753	3.5	44
132	Detection of the recently emerged synthetic cannabinoid 5F-MDMB-PICA in 'legal high' products and human urine samples. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 196-205	3.5	43
131	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> , <b>2014</b> , 49, 117-27	2.2	43
130	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> , <b>2012</b> , 47, 195-200	2.2	42
129	Toxicological analysis after asphyxial suicide with helium and a plastic bag. <i>Forensic Science International</i> , <b>2007</b> , 170, 139-41	2.6	42
128	Designer Benzodiazepines: Another Class of New Psychoactive Substances. <i>Handbook of Experimental Pharmacology</i> , <b>2018</b> , 252, 383-410	3.2	42
127	Studies on the metabolism of the Delta9-tetrahydrocannabinol precursor Delta9-tetrahydrocannabinolic acid A (Delta9-THCA-A) in rat using LC-MS/MS, LC-QTOF MS and GC-MS techniques. <i>Journal of Mass Spectrometry</i> , <b>2009</b> , 44, 1423-33	2.2	41
126	Fatty Acid ethyl esters in scalp, pubic, axillary, beard and body hair as markers for alcohol misuse. <i>Alcohol and Alcoholism</i> , <b>2003</b> , 38, 163-7	3.5	41
125	Characterization of the designer benzodiazepine pyrazolam and its detectability in human serum and urine. <i>Forensic Toxicology</i> , <b>2013</b> , 31, 263-271	2.6	40
124	Metabolites of synthetic cannabinoids in hair--proof of consumption or false friends for interpretation?. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 3445-52	4.4	40
123	Immunoassay screening in urine for synthetic cannabinoids - an evaluation of the diagnostic efficiency. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2017</b> , 55, 1375-1384	5.9	39
122	Hair analysis for THCA-A, THC and CBN after passive in vivo exposure to marijuana smoke. <i>Drug Testing and Analysis</i> , <b>2014</b> , 6, 119-25	3.5	37
121	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> , <b>2013</b> , 48, 227-33	2.2	37
120	Ethyl sulphate and ethyl glucuronide in vitreous humor as postmortem evidence marker for ethanol consumption prior to death. <i>Forensic Science International</i> , <b>2011</b> , 210, 63-8	2.6	37
119	Flubromazolam - Basic pharmacokinetic evaluation of a highly potent designer benzodiazepine. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 206-211	3.5	36
118	Finding cannabinoids in hair does not prove cannabis consumption. <i>Scientific Reports</i> , <b>2015</b> , 5, 14906	4.9	36
117	Urine tested positive for ethyl glucuronide and ethyl sulphate after the consumption of "non-alcoholic" beer. <i>Forensic Science International</i> , <b>2010</b> , 202, 82-5	2.6	36

116	Assessment of alcohol use among methadone maintenance patients by direct ethanol metabolites and self-reports. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2008</b> , 32, 1552-7	3.7	36
115	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> , <b>2008</b> , 122, 235-9	3.1	35
114	Acute side effects after consumption of the new synthetic cannabinoids AB-CHMINACA and MDMB-CHMICA. <i>Clinical Toxicology</i> , <b>2018</b> , 56, 404-411	2.9	34
113	Determination of $\Delta$ -tetrahydrocannabinolic acid A ( $\Delta$ -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> , <b>2014</b> , 243, 130-6	2.6	34
112	Drug dosing error with drops: severe clinical course of codeine intoxication in twins. <i>European Journal of Pediatrics</i> , <b>2009</b> , 168, 819-24	4.1	33
111	Characterization and in vitro phase I microsomal metabolism of designer benzodiazepines - an update comprising adinazolam, cloniprazepam, fonazepam, 3-hydroxyphenazepam, metizolam and nitrazolam. <i>Journal of Mass Spectrometry</i> , <b>2016</b> , 51, 1080-1089	2.2	32
110	Investigation of the in vitro toxicological properties of the synthetic cannabimimetic drug CP-47,497-C8. <i>Toxicology and Applied Pharmacology</i> , <b>2014</b> , 277, 164-71	4.6	32
109	Post-Mortem Toxicology: A Systematic Review of Death Cases Involving Synthetic Cannabinoid Receptor Agonists. <i>Frontiers in Psychiatry</i> , <b>2020</b> , 11, 464	5	31
108	Mixed intoxication by the synthetic opioid U-47700 and the benzodiazepine flubromazepam with lethal outcome: Pharmacokinetic data. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 1336	3.5	30
107	Genotoxic properties of representatives of alkyindazoles and aminoalkyl-indoles which are consumed as synthetic cannabinoids. <i>Food and Chemical Toxicology</i> , <b>2015</b> , 80, 130-136	4.7	30
106	Inhomogeneities in herbal mixtures: a serious risk for consumers. <i>Forensic Toxicology</i> , <b>2015</b> , 33, 54-60	2.6	29
105	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> , <b>2019</b> , 11, 1183-1191	3.5	28
104	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> , <b>2014</b> , 6, 363-6	3.5	28
103	Structural characterization and pharmacological evaluation of the new synthetic cannabinoid CUMYL-PEGACLONE. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 597-603	3.5	27
102	Reply to 'Sudden Cardiac Death Following Use of the Synthetic Cannabinoid MDMB-CHMICA'. <i>Journal of Analytical Toxicology</i> , <b>2016</b> , 40, 240-2	2.9	27
101	Fatal and severe codeine intoxication in 3-year-old twins--interpretation of drug and metabolite concentrations. <i>International Journal of Legal Medicine</i> , <b>2009</b> , 123, 387-94	3.1	27
100	Activity-Based Detection of Cannabinoids in Serum and Plasma Samples. <i>Clinical Chemistry</i> , <b>2018</b> , 64, 918-926	5.5	26
99	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> , <b>2011</b> , 400, 737-46	4.4	26

98	Urine tested positive for ethyl glucuronide and ethyl sulfate after the consumption of yeast and sugar. <i>Forensic Science International</i> , <b>2010</b> , 202, e45-7	2.6	26
97	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> , <b>2004</b> , 143, 77-86	2.6	26
96	Postmortem concentrations of the synthetic opioid U-47700 in 26 fatalities associated with the drug. <i>Forensic Science International</i> , <b>2019</b> , 301, e20-e28	2.6	25
95	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 $\Delta$ -tetrahydrocannabinolic acid A concentrations. <i>Drug Testing and Analysis</i> , <b>2015</b> , 7, 349-57	3.5	25
94	Impact of Novel Psychoactive Substances on Clinical and Forensic Toxicology and Global Public Health. <i>Clinical Chemistry</i> , <b>2017</b> , 63, 1564-1569	5.5	25
93	Detection of the recently emerged synthetic cannabinoid 4F-MDMB-BINACA in "legal high" products and human urine specimens. <i>Drug Testing and Analysis</i> , <b>2019</b> , 11, 1377-1386	3.5	24
92	'Psychotropics caught in a trap' - adopting a screening approach to specific needs. <i>Forensic Science International</i> , <b>2014</b> , 243, 84-9	2.6	23
91	Rapid isolation procedure for $\Delta$ -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> , <b>2011</b> , 879, 3059-64	3.2	23
90	Phase I metabolism of the recently emerged synthetic cannabinoid CUMYL-PEGACLONE and detection in human urine samples. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 886-891	3.5	22
89	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> , <b>2004</b> , 145, 149-59	2.6	22
88	Argon Mediates Anti-Apoptotic Signaling and Neuroprotection via Inhibition of Toll-Like Receptor 2 and 4. <i>PLoS ONE</i> , <b>2015</b> , 10, e0143887	3.7	22
87	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> , <b>2012</b> , 52, 1200-14	2.9	21
86	Synthetic cannabinoids in hair - Pragmatic approach for method updates, compound prevalences and concentration ranges in authentic hair samples. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1006, 61-73	6.6	20
85	Neuroprotection by argon ventilation after perinatal asphyxia: a safety study in newborn piglets. <i>PLoS ONE</i> , <b>2014</b> , 9, e113575	3.7	20
84	Cannabinoid receptor 2 signaling does not modulate atherogenesis in mice. <i>PLoS ONE</i> , <b>2011</b> , 6, e19405	3.7	20
83	Sevoflurane-mediated activation of p38-mitogen-activated stresskinase is independent of apoptosis in Jurkat T-cells. <i>Anesthesia and Analgesia</i> , <b>2008</b> , 106, 1150-60, table of contents	3.9	19
82	Analytical investigations in a death case by suffocation in an argon atmosphere. <i>Forensic Science International</i> , <b>2004</b> , 143, 169-75	2.6	19
81	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> , <b>2019</b> , 37, 186-196	2.6	19

80	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> , <b>2016</b> , 265, 166-71	2.6	18
79	Analysis of synthetic cannabinoids in abstinence control: long drug detection windows in serum and implications for practitioners. <i>Drug Testing and Analysis</i> , <b>2014</b> , 6, 135-6	3.5	18
78	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> , <b>2011</b> , 209, e11-5	2.6	18
77	Functional residual capacity measurement by heptafluoropropane in ventilated newborn lungs: in vitro and in vivo validation. <i>Critical Care Medicine</i> , <b>2006</b> , 34, 1789-95	1.4	18
76	Separation and structural characterization of the new synthetic cannabinoid JWH-018 cyclohexyl methyl derivative "NE-CHMIMO" using flash chromatography, GC-MS, IR and NMR spectroscopy. <i>Forensic Science International</i> , <b>2016</b> , 266, e93-e98	2.6	17
75	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> , <b>2013</b> , 5, 602-6	3.5	17
74	Hair analysis for (9)-tetrahydrocannabinolic acid A (THCA-A) and (9)-tetrahydrocannabinol (THC) after handling cannabis plant material. <i>Drug Testing and Analysis</i> , <b>2016</b> , 8, 128-32	3.5	17
73	In vitro metabolism of the synthetic cannabinoid 3,5-AB-CHMFUPPYCA and its 5,3-regioisomer and investigation of their thermal stability. <i>Drug Testing and Analysis</i> , <b>2017</b> , 9, 311-316	3.5	15
72	Four cases of death involving the novel synthetic cannabinoid 5F-Cumyl-PEGACLONE. <i>Forensic Toxicology</i> , <b>2020</b> , 38, 314-326	2.6	15
71	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> , <b>2019</b> , 37, 316-329	2.6	15
70	Phase I metabolism of the carbazole-derived synthetic cannabinoids EG-018, EG-2201, and MDMB-CHMCZCA and detection in human urine samples. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 1417-1429 <sup>3.5</sup>		14
69	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> , <b>2016</b> , 10, 674	3.3	14
68	Synthetische Cannabinoide. <i>Rechtsmedizin</i> , <b>2012</b> , 22, 259-271	0.6	14
67	Acute severe intoxication with cyclopropylfentanyl, a novel synthetic opioid. <i>Toxicology Letters</i> , <b>2020</b> , 320, 109-112	4.4	14
66	Hair analysis of synthetic cannabinoids: does the handling of herbal mixtures affect the analyst's hair concentration?. <i>Forensic Toxicology</i> , <b>2015</b> , 33, 37-44	2.6	13
65	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> , <b>2016</b> , 90, 1369-82	5.8	13
64	A fast and inexpensive procedure for the isolation of synthetic cannabinoids from 'Spice' products using a flash chromatography system. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 3929-35	4.4	13
63	Cumyl-PEGACLONE: A comparatively safe new synthetic cannabinoid receptor agonist entering the NPS market?. <i>Drug Testing and Analysis</i> , <b>2019</b> , 11, 347-349	3.5	13

62	Betel Nut Chewing in Iron Age Vietnam? Detection of Areca catechu Alkaloids in Dental Enamel. <i>Journal of Psychoactive Drugs</i> , <b>2017</b> , 49, 11-17	3.6	12
61	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> , <b>2019</b> , 174, 270-276	3.5	12
60	Hair analysis for JWH-018, JWH-122, and JWH-210 after passive in vivo exposure to synthetic cannabinoid smoke. <i>Forensic Toxicology</i> , <b>2015</b> , 33, 69-76	2.6	12
59	Synthetic Cannabinoid Receptor Agonists <b>2013</b> , 317-343		12
58	Bad trip due to 25I-NBOME: a case report from the EU project SPICE II plus. <i>Clinical Toxicology</i> , <b>2017</b> , 55, 922-924	2.9	11
57	Differences between the measured blood ethanol concentration and the estimated concentration by Widmark's equation in elderly persons. <i>Forensic Science International</i> , <b>2015</b> , 247, 23-7	2.6	11
56	Genotoxic properties of XLR-11, a widely consumed synthetic cannabinoid, and of the benzoyl indole RCS-4. <i>Archives of Toxicology</i> , <b>2016</b> , 90, 3111-3123	5.8	11
55	Detection and phase I metabolism of the 7-azaindole-derived synthetic cannabinoid 5F-AB-P7AICA including a preliminary pharmacokinetic evaluation. <i>Drug Testing and Analysis</i> , <b>2020</b> , 12, 78-91	3.5	11
54	Characterization and in vitro phase I microsomal metabolism of designer benzodiazepines: An update comprising flunitrazolam, norflurazepam, and 4'-chlorodiazepam (Ro5-4864). <i>Drug Testing and Analysis</i> , <b>2019</b> , 11, 541-549	3.5	11
53	Human phase I metabolism of the novel synthetic cannabinoid 5F-CUMYL-PEGACLONE. <i>Forensic Toxicology</i> , <b>2019</b> , 37, 154-163	2.6	11
52	Impact of legislation on NPS markets in Germany - The rise and fall of 5F-ADB. <i>Drug Testing and Analysis</i> , <b>2020</b> , 12, 853-856	3.5	10
51	Two thiazolylindoles and a benzimidazole: novel compounds on the designer drug market with potential cannabinoid receptor activity. <i>Forensic Science International</i> , <b>2015</b> , 249, 133-47	2.6	10
50	LC-MS/MS analysis of $\Delta^9$ -tetrahydrocannabinolic acid A in serum after protein precipitation using an in-house synthesized deuterated internal standard. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 778-85	2.2	10
49	The Novel Psychoactive Substance Cumyl-CH-MEGACLONE: Human Phase-I Metabolism, Basic Pharmacological Characterization and Comparison to Other Synthetic Cannabinoid Receptor Agonists with a $\Delta^9$ -Carboline-1-One Core. <i>Journal of Analytical Toxicology</i> , <b>2021</b> , 45, 277-290	2.9	10
48	Suicidal poisoning with mercaptodimethur-morphological findings and toxicological analysis. <i>International Journal of Legal Medicine</i> , <b>2009</b> , 123, 327-31	3.1	9
47	Evaluation of CEDIA and DRI Drugs of Abuse Immunoassays for Urine Screening on a Thermo Indiko Plus Analyzer. <i>Journal of Clinical Laboratory Analysis</i> , <b>2017</b> , 31,	3	8
46	Ethanol concentration in breastmilk after the consumption of non-alcoholic beer. <i>Breastfeeding Medicine</i> , <b>2013</b> , 8, 291-3	2.1	8
45	Identification of sinicuichi alkaloids in human serum after intoxication caused by oral intake of a <i>Heimia salicifolia</i> extract. <i>Forensic Science International</i> , <b>2008</b> , 179, e57-61	2.6	8



44	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> , <b>2018</b> , 19, 144-162	2.6	8
43	Cumyl-CBMICA: A new synthetic cannabinoid receptor agonist containing a cyclobutyl methyl side chain. <i>Drug Testing and Analysis</i> , <b>2021</b> , 13, 208-216	3.5	8
42	Volatile congeners in alcoholic beverages: analysis and forensic significance. <i>Romanian Journal of Legal Medicine</i> , <b>2010</b> , 18, 265-270	1.7	7
41	Phase I metabolic profiling of the synthetic cannabinoids THJ-018 and THJ-2201 in human urine in comparison to human liver microsome and cytochrome P450 isoenzyme incubation. <i>International Journal of Legal Medicine</i> , <b>2019</b> , 133, 1049-1064	3.1	7
40	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> , <b>2021</b> , 95, 103130	5.5	7
39	Application of a chiral high-performance liquid chromatography-tandem mass spectrometry method for the determination of 13 related amphetamine-type stimulants to forensic samples: Interpretative hypotheses. <i>Drug Testing and Analysis</i> , <b>2020</b> , 12, 1354-1365	3.5	6
38	Extraordinary long detection window of a synthetic cannabinoid metabolite in human urine - Potential impact on therapeutic decisions. <i>Drug Testing and Analysis</i> , <b>2020</b> , 12, 391-396	3.5	6
37	Separation of positional isomers of nine 2-phenethylamine-derived designer drugs by liquid chromatography-tandem mass spectrometry. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 1184	3.5	6
36	A case of a distinct difference between the measured blood ethanol concentration and the concentration estimated by Widmark's equation. <i>Medicine, Science and the Law</i> , <b>2013</b> , 53, 96-9	1.1	6
35	Alkoholkonsummarker. <i>Rechtsmedizin</i> , <b>2011</b> , 21, 69-79	0.6	6
34	Systematic evaluation of a panel of 30 synthetic cannabinoid receptor agonists structurally related to MMB-4en-PICA, MDMB-4en-PINACA, ADB-4en-PINACA, and MMB-4CN-BUTINACA using a combination of binding and different CB receptor activation assays: Part I-Synthesis, analytical characterization, and binding affinity for human CB <sub>1</sub> receptor. <i>Drug Testing and Analysis</i> , <b>2021</b> , 13, 1383-1401	3.5	6
33	Systematic evaluation of a panel of 30 synthetic cannabinoid receptor agonists structurally related to MMB-4en-PICA, MDMB-4en-PINACA, ADB-4en-PINACA, and MMB-4CN-BUTINACA using a combination of binding and different CB <sub>1</sub> receptor activation assays. Part III: The G protein coupled receptor activation. <i>Drug Testing and Analysis</i> , <b>2021</b> , 13, 1412-1422	3.5	6
32	Investigations of the genotoxic properties of two synthetic cathinones (3-MMC, 4-MEC) which are used as psychoactive drugs. <i>Toxicology Research</i> , <b>2016</b> , 5, 1410-1420	2.6	5
31	Pregnenolone does not interfere with the effects of cannabinoids on synaptic transmission in the cerebellum and the nucleus accumbens. <i>Pharmacological Research</i> , <b>2017</b> , 123, 51-61	10.2	5
30	Determination of 1,1,1,2,3,3,3-heptafluoropropane (HFP) in blood by headspace gas chromatography-mass spectrometry. <i>Journal of Analytical Toxicology</i> , <b>2005</b> , 29, 574-6	2.9	5
29	Systematic evaluation of a panel of 30 synthetic cannabinoid receptor agonists structurally related to MMB-4en-PICA, MDMB-4en-PINACA, ADB-4en-PINACA, and MMB-4CN-BUTINACA using a combination of binding and different CB receptor activation assays-Part II: Structure activity relationship. <i>Drug Testing and Analysis</i> , <b>2021</b> , 13, 1402-1411	3.5	5
28	Full validation of a method for the determination of drugs of abuse in non-mineralized dental biofilm using liquid chromatography-tandem mass spectrometry and application to postmortem samples. <i>Talanta</i> , <b>2018</b> , 176, 360-366	6.2	5
27	Detection of the ethanol consumption markers ethyl glucuronide and ethyl sulfate in urine samples from inmates of two German prisons. <i>International Journal of Legal Medicine</i> , <b>2016</b> , 130, 387-91	3.1	4

26	Evaluation of KIMS immunoassays on a cobas c 501 analyzer for drugs of abuse and ethyl glucuronide testing in urine for forensic abstinence control. <i>Drug Testing and Analysis</i> , <b>2017</b> , 9, 1217-1223	3.5	4
25	Desalkylflurazepam found in patients' samples after high-dose midazolam treatment. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 745-7	3.5	4
24	Computer assisted modeling of ethyl sulfate pharmacokinetics. <i>Forensic Science International</i> , <b>2010</b> , 194, 34-8	2.6	4
23	Method validation and preliminary pharmacokinetic studies on the new designer stimulant 3-fluorophenmetrazine (3-FPM). <i>Drug Testing and Analysis</i> , <b>2019</b> , 11, 1009-1017	3.5	4
22	Metabolism of the benzodiazepines norflurazepam, flurazepam, fludiazepam and cinolazepam by human hepatocytes using high-resolution mass spectrometry and distinguishing their intake in authentic urine samples. <i>Forensic Toxicology</i> , <b>2020</b> , 38, 79-94	2.6	3
21	A transnational perspective on the evolution of the synthetic cannabinoid receptor agonists market: Comparing prison and general populations. <i>Drug Testing and Analysis</i> , <b>2021</b> , 13, 841-852	3.5	3
20	A survey of warning colours of pesticides. <i>Forensic Science, Medicine, and Pathology</i> , <b>2010</b> , 6, 307-13	1.5	2
19	Structure-activity relationships of valine, -leucine, and phenylalanine amino acid-derived synthetic cannabinoid receptor agonists related to ADB-BUTINACA, APP-BUTINACA, and ADB-P7AICA.. <i>RSC Medicinal Chemistry</i> , <b>2022</b> , 13, 156-174	3.5	2
18	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> , <b>2021</b> ,	3.5	2
17	Multivariate optimization of a method for the determination of fatty acids in dental biofilm by GC-MS. <i>Bioanalysis</i> , <b>2018</b> , 10, 1319-1333	2.1	2
16	Detection of Nutmeg Abuse by Gas Chromatography-Mass Spectrometric Screening of Urine. <i>Journal of Analytical Toxicology</i> , <b>2020</b> , 44, 103-108	2.9	1
15	Pharmacokinetics and subjective effects of 1P-LSD in humans after oral and intravenous administration. <i>Drug Testing and Analysis</i> , <b>2020</b> , 12, 1144-1153	3.5	1
14	A Recent Human Immunodeficiency Virus Outbreak Among People Who Inject Drugs in Munich, Germany, Is Associated With Consumption of Synthetic Cathinones. <i>Open Forum Infectious Diseases</i> , <b>2020</b> , 7, ofaa192	1	1
13	Reply to Restolho et al. 'Contactless decontamination of hair samples: cannabinoids'. <i>Drug Testing and Analysis</i> , <b>2017</b> , 9, 289-290	3.5	1
12	Regioselective synthesis of isotopically labeled $\Delta^9$ -tetrahydrocannabinolic acid A (THCA-A-D3) by reaction of $\Delta^9$ -tetrahydrocannabinol-D3 with magnesium methyl carbonate. <i>Forensic Science International</i> , <b>2012</b> , 222, 368-72	2.6	1
11	Investigation of the $\mu$ and $\kappa$ opioid receptor activation by eight new synthetic opioids using the [ $^3$ H]-GTP $\gamma$ S] assay: U-47700, isopropyl U-47700, U-49900, U-47931E, N-methyl U-47931E, U-51754, U-48520 and U-48800.. <i>Drug Testing and Analysis</i> , <b>2022</b> ,	3.5	1
10	Comprehensive structural characterisation of the newly emerged synthetic cannabimimetics Cumyl-BC[2.2.1]HpMeGaClone, Cumyl-BC[2.2.1]HpMINACA, and Cumyl-BC[2.2.1]HpMICA featuring a norbornyl methyl side chain. <i>Forensic Chemistry</i> , <b>2021</b> , 26, 100371	2.8	1
9	Pharmakologie und Toxikologie synthetischer Cannabinoidrezeptor-Agonisten <b>2018</b> , 389-409		1

8	New synthetic cannabinoids carrying a cyclobutyl methyl side chain: Human Phase I metabolism and data on human cannabinoid receptor 1 binding and activation of Cumyl-CBMICA and Cumyl-CBMINACA. <i>Drug Testing and Analysis</i> , <b>2021</b> , 13, 1499-1515	3.5	1
7	Pharmacological and metabolic characterization of the novel synthetic opioid broprhine and its detection in routine casework. <i>Forensic Science International</i> , <b>2021</b> , 327, 110989	2.6	1
6	Quantification of Herbal Mixtures Containing Cumyl-PEGACLONE-Is Inhomogeneity Still an Issue?. <i>Journal of Analytical Toxicology</i> , <b>2020</b> , 44, 81-85	2.9	0
5	Dataset allowing for the identification of three new synthetic cannabimimetics featuring a norbornyl methyl side chain by spectrometric and spectroscopic techniques.. <i>Data in Brief</i> , <b>2021</b> , 39, 107628	1.2	0
4	NNL-3: A Synthetic Intermediate or a New Class of Hydroxybenzotriazole Esters with Cannabinoid Receptor Activity?. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 4020-4036	5.7	0
3	A case of fatal multidrug intoxication involving flualprazolam: distribution in body fluids and solid tissues. <i>Forensic Toxicology</i> , 1	2.6	0
2	Assessment of Benzodiazepine (BZD) Use Among Nursing Home Residents by Liquid Chromatography-Tandem Mass Spectrometry, Nursing Questionnaires, and Examining Additional Mental Health Problems of BZD Users. <i>International Journal of Mental Health and Addiction</i> , 1	8.8	
1	Pharmakologie und Toxikologie synthetischer Cannabinoidrezeptor-Agonisten <b>2016</b> , 1-27		