

Volker Auwarter

List of Publications by Year in Descending Order

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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	Investigation of the μ and κ opioid receptor activation by eight new synthetic opioids using the [S]-GTPB 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> , 2022 ,	3.5	1
168	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> , 2022 , 13, 156-174	3.5	2
167	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> , 2021 , 39, 107628	1.28	0
166	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> , 2021 ,	3.5	2
165	NNL-3: A Synthetic Intermediate or a New Class of Hydroxybenzotriazole Esters with Cannabinoid Receptor Activity?. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 4020-4036	5.7	0
164	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> , 2021 , 26, 100371	2.8	1
163	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	3.5	5
162	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 receptors. <i>Drug Testing and Analysis</i> , 2021 , 13, 1383-1401	3.5	6
161	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> , 2021 , 13, 1499-1515	3.5	1
160	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 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	3.5	6
159	The Novel Psychoactive Substance Cumyl-CH-MEGACLONE: Human Phase-I Metabolism, Basic Pharmacological Characterization and Comparison to Other Synthetic Cannabinoid Receptor Agonists with a μ -Carboline-1-One Core. <i>Journal of Analytical Toxicology</i> , 2021 , 45, 277-290	2.9	10
158	Cumyl-CBMICA: A new synthetic cannabinoid receptor agonist containing a cyclobutyl methyl side chain. <i>Drug Testing and Analysis</i> , 2021 , 13, 208-216	3.5	8
157	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	5.5	7
156	Pharmacological and metabolic characterization of the novel synthetic opioid broprhine and its detection in routine casework. <i>Forensic Science International</i> , 2021 , 327, 110989	2.6	1
155	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	3.5	3
154	Detection of Nutmeg Abuse by Gas Chromatography-Mass Spectrometric Screening of Urine. <i>Journal of Analytical Toxicology</i> , 2020 , 44, 103-108	2.9	1
153	Quantification of Herbal Mixtures Containing Cumyl-PEGACLONE-Is Inhomogeneity Still an Issue?. <i>Journal of Analytical Toxicology</i> , 2020 , 44, 81-85	2.9	0

152	Pharmacokinetics and subjective effects of 1P-LSD in humans after oral and intravenous administration. <i>Drug Testing and Analysis</i> , 2020 , 12, 1144-1153	3.5	1
151	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> , 2020 , 7, ofaa192	1	1
150	Post-Mortem Toxicology: A Systematic Review of Death Cases Involving Synthetic Cannabinoid Receptor Agonists. <i>Frontiers in Psychiatry</i> , 2020 , 11, 464	5	31
149	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> , 2020 , 12, 1354-1365	3.5	6
148	Impact of legislation on NPS markets in Germany - The rise and fall of 5F-ADB. <i>Drug Testing and Analysis</i> , 2020 , 12, 853-856	3.5	10
147	Extraordinary long detection window of a synthetic cannabinoid metabolite in human urine - Potential impact on therapeutic decisions. <i>Drug Testing and Analysis</i> , 2020 , 12, 391-396	3.5	6
146	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> , 2020 , 12, 78-91	3.5	11
145	Four cases of death involving the novel synthetic cannabinoid 5F-Cumyl-PEGACLONE. <i>Forensic Toxicology</i> , 2020 , 38, 314-326	2.6	15
144	Acute severe intoxication with cyclopropylfentanyl, a novel synthetic opioid. <i>Toxicology Letters</i> , 2020 , 320, 109-112	4.4	14
143	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> , 2020 , 38, 79-94	2.6	3
142	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	3.5	24
141	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	3.5	12
140	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	3.5	28
139	Postmortem concentrations of the synthetic opioid U-47700 in 26 fatalities associated with the drug. <i>Forensic Science International</i> , 2019 , 301, e20-e28	2.6	25
138	Metabolic Pathways and Potencies of New Fentanyl Analogs. <i>Frontiers in Pharmacology</i> , 2019 , 10, 238	5.6	56
137	Method validation and preliminary pharmacokinetic studies on the new designer stimulant 3-fluorophenmetrazine (3-FPM). <i>Drug Testing and Analysis</i> , 2019 , 11, 1009-1017	3.5	4
136	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> , 2019 , 11, 541-549	3.5	11
135	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> , 2019 , 133, 1049-1064	3.1	7

134	Cumyl-PEGACLONE: A comparatively safe new synthetic cannabinoid receptor agonist entering the NPS market?. <i>Drug Testing and Analysis</i> , 2019 , 11, 347-349	3.5	13
133	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	2.6	15
132	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	2.6	19
131	Human phase I metabolism of the novel synthetic cannabinoid 5F-CUMYL-PEGACLONE. <i>Forensic Toxicology</i> , 2019 , 37, 154-163	2.6	11
130	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	3.5	30
129	Separation of positional isomers of nine 2-phenethylamine-derived designer drugs by liquid chromatography-tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2018 , 10, 1184	3.5	6
128	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	6.6	20
127	Phase I metabolism of the recently emerged synthetic cannabinoid CUMYL-PEGACLONE and detection in human urine samples. <i>Drug Testing and Analysis</i> , 2018 , 10, 886-891	3.5	22
126	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> , 2018 , 10, 1417-1429	3.5	14
125	Activity-Based Detection of Cannabinoids in Serum and Plasma Samples. <i>Clinical Chemistry</i> , 2018 , 64, 918-926	5.5	26
124	Detection of the recently emerged synthetic cannabinoid 5F-MDMB-PICA in 'legal high' products and human urine samples. <i>Drug Testing and Analysis</i> , 2018 , 10, 196-205	3.5	43
123	Flubromazolam - Basic pharmacokinetic evaluation of a highly potent designer benzodiazepine. <i>Drug Testing and Analysis</i> , 2018 , 10, 206-211	3.5	36
122	Structural characterization and pharmacological evaluation of the new synthetic cannabinoid CUMYL-PEGACLONE. <i>Drug Testing and Analysis</i> , 2018 , 10, 597-603	3.5	27
121	Acute side effects after consumption of the new synthetic cannabinoids AB-CHMINACA and MDMB-CHMICA. <i>Clinical Toxicology</i> , 2018 , 56, 404-411	2.9	34
120	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	2.6	8
119	Pharmakologie und Toxikologie synthetischer Cannabinoidrezeptor-Agonisten 2018 , 389-409		1
118	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> , 2018 , 176, 360-366	6.2	5
117	Designer Benzodiazepines: Another Class of New Psychoactive Substances. <i>Handbook of Experimental Pharmacology</i> , 2018 , 252, 383-410	3.2	42

116	Multivariate optimization of a method for the determination of fatty acids in dental biofilm by GC-MS. <i>Bioanalysis</i> , 2018 , 10, 1319-1333	2.1	2
115	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> , 2017 , 9, 311-316	3.5	15
114	Immunoassay screening in urine for synthetic cannabinoids - an evaluation of the diagnostic efficiency. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017 , 55, 1375-1384	5.9	39
113	Bad trip due to 25I-NBOME: a case report from the EU project SPICE II plus. <i>Clinical Toxicology</i> , 2017 , 55, 922-924	2.9	11
112	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	3.6	12
111	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> , 2017 , 9, 1217-1223	3.5	4
110	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	7.8	61
109	Three fatalities associated with the synthetic cannabinoids 5F-ADB, 5F-PB-22, and AB-CHMINACA. <i>Forensic Science International</i> , 2017 , 281, e9-e15	2.6	51
108	Pregnenolone does not interfere with the effects of cannabinoids on synaptic transmission in the cerebellum and the nucleus accumbens. <i>Pharmacological Research</i> , 2017 , 123, 51-61	10.2	5
107	Impact of Novel Psychoactive Substances on Clinical and Forensic Toxicology and Global Public Health. <i>Clinical Chemistry</i> , 2017 , 63, 1564-1569	5.5	25
106	Reply to Restolho et al. 'Contactless decontamination of hair samples: cannabinoids'. <i>Drug Testing and Analysis</i> , 2017 , 9, 289-290	3.5	1
105	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	3.5	44
104	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> , 2017 , 31,	3	8
103	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> , 2016 , 130, 387-91	3.1	4
102	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> , 2016 , 51, 1080-1089	2.2	32
101	Investigations of the genotoxic properties of two synthetic cathinones (3-MMC, 4-MEC) which are used as psychoactive drugs. <i>Toxicology Research</i> , 2016 , 5, 1410-1420	2.6	5
100	Detection and Activity Profiling of Synthetic Cannabinoids and Their Metabolites with a Newly Developed Bioassay. <i>Analytical Chemistry</i> , 2016 , 88, 11476-11485	7.8	142
99	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	5.8	11

98	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> , 2016 , 266, e93-e98	2.6	17
97	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	3.5	44
96	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, 166-71	2.6	18
95	Reply to 'Sudden Cardiac Death Following Use of the Synthetic Cannabinoid MDMB-CHMICA'. <i>Journal of Analytical Toxicology</i> , 2016 , 40, 240-2	2.9	27
94	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, 1369-82	5.8	13
93	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	3.3	14
92	Pharmakologie und Toxikologie synthetischer Cannabinoidrezeptor-Agonisten 2016 , 1-27		
91	Metabolites of synthetic cannabinoids in hair—proof of consumption or false friends for interpretation?. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 3445-52	4.4	40
90	Hair analysis for Δ^9 -tetrahydrocannabinolic acid A (THCA-A) and Δ^9 -tetrahydrocannabinol (THC) after handling cannabis plant material. <i>Drug Testing and Analysis</i> , 2016 , 8, 128-32	3.5	17
89	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> , 2015 , 407, 6607-710	4.4	63
88	Characterization of the four designer benzodiazepines clonazepam, deschloroetizolam, flubromazolam, and meclonazepam, and identification of their in vitro metabolites. <i>Forensic Toxicology</i> , 2015 , 33, 388-395	2.6	50
87	Hair analysis of synthetic cannabinoids: does the handling of herbal mixtures affect the analyst's hair concentration?. <i>Forensic Toxicology</i> , 2015 , 33, 37-44	2.6	13
86	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	2.6	12
85	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 Δ^9 -tetrahydrocannabinolic acid A concentrations. <i>Drug Testing and Analysis</i> , 2015 , 7, 349-57	3.5	25
84	Differences between the measured blood ethanol concentration and the estimated concentration by Widmark's equation in elderly persons. <i>Forensic Science International</i> , 2015 , 247, 23-7	2.6	11
83	Inhomogeneities in herbal mixtures: a serious risk for consumers. <i>Forensic Toxicology</i> , 2015 , 33, 54-60	2.6	29
82	Designer benzodiazepines: A new challenge. <i>World Psychiatry</i> , 2015 , 14, 248	14.4	67
81	Finding cannabinoids in hair does not prove cannabis consumption. <i>Scientific Reports</i> , 2015 , 5, 14906	4.9	36

80	Genotoxic properties of representatives of alkyindazoles and aminoalkyl-indoles which are consumed as synthetic cannabinoids. <i>Food and Chemical Toxicology</i> , 2015 , 80, 130-136	4.7	30
79	Two thiazolyindoles and a benzimidazole: novel compounds on the designer drug market with potential cannabinoid receptor activity. <i>Forensic Science International</i> , 2015 , 249, 133-47	2.6	10
78	Argon Mediates Anti-Apoptotic Signaling and Neuroprotection via Inhibition of Toll-Like Receptor 2 and 4. <i>PLoS ONE</i> , 2015 , 10, e0143887	3.7	22
77	Characterization of the designer benzodiazepine diclazepam and preliminary data on its metabolism and pharmacokinetics. <i>Drug Testing and Analysis</i> , 2014 , 6, 757-63	3.5	63
76	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, 117-27	2.2	43
75	Investigation of the in vitro toxicological properties of the synthetic cannabimimetic drug CP-47,497-C8. <i>Toxicology and Applied Pharmacology</i> , 2014 , 277, 164-71	4.6	32
74	'Psychotropics caught in a trap' - adopting a screening approach to specific needs. <i>Forensic Science International</i> , 2014 , 243, 84-9	2.6	23
73	Determination of Δ -tetrahydrocannabinolic acid A (Δ -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, 130-6	2.6	34
72	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, 363-6	3.5	28
71	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, 135-6	3.5	18
70	Driving under the influence of synthetic cannabinoids ("Spice"): a case series. <i>International Journal of Legal Medicine</i> , 2014 , 128, 59-64	3.1	87
69	Hair analysis for THCA-A, THC and CBN after passive in vivo exposure to marijuana smoke. <i>Drug Testing and Analysis</i> , 2014 , 6, 119-25	3.5	37
68	Neuroprotection by argon ventilation after perinatal asphyxia: a safety study in newborn piglets. <i>PLoS ONE</i> , 2014 , 9, e113575	3.7	20
67	Synthetic Cannabinoid Receptor Agonists 2013 , 317-343		12
66	Characteristics of the designer drug and synthetic cannabinoid receptor agonist AM-2201 regarding its chemistry and metabolism. <i>Journal of Mass Spectrometry</i> , 2013 , 48, 885-94	2.2	83
65	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> , 2013 , 405, 3929-35	4.4	13
64	Development and validation of an LC-MS/MS method for quantification of Δ -tetrahydrocannabinolic acid A (THCA-A), THC, CBN and CBD in hair. <i>Journal of Mass Spectrometry</i> , 2013 , 48, 227-33	2.2	37
63	Analysis of 30 synthetic cannabinoids in oral fluid using liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2013 , 5, 657-69	3.5	61

62	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, 4691-706	4.4	56
61	Ethanol concentration in breastmilk after the consumption of non-alcoholic beer. <i>Breastfeeding Medicine</i> , 2013 , 8, 291-3	2.1	8
60	Acute intoxication by synthetic cannabinoids--four case reports. <i>Drug Testing and Analysis</i> , 2013 , 5, 790-4	3.5	65
59	Toxicological profiles of selected synthetic cannabinoids showing high binding affinities to the cannabinoid receptor subtype CB1. <i>Archives of Toxicology</i> , 2013 , 87, 1287-97	5.8	45
58	Characterization of the designer benzodiazepine pyrazolam and its detectability in human serum and urine. <i>Forensic Toxicology</i> , 2013 , 31, 263-271	2.6	40
57	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, 602-6	3.5	17
56	Acute toxicity due to the confirmed consumption of synthetic cannabinoids: clinical and laboratory findings. <i>Addiction</i> , 2013 , 108, 534-44	4.6	337
55	Detection and identification of the designer benzodiazepine flubromazepam and preliminary data on its metabolism and pharmacokinetics. <i>Journal of Mass Spectrometry</i> , 2013 , 48, 1150-9	2.2	66
54	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> , 2013 , 53, 96-9	1.1	6
53	Desalkylflurazepam found in patients' samples after high-dose midazolam treatment. <i>Drug Testing and Analysis</i> , 2013 , 5, 745-7	3.5	4
52	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> , 2012 , 47, 54-65	2.2	125
51	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	2.2	42
50	Regioselective synthesis of isotopically labeled Δ^9 -tetrahydrocannabinolic acid A (THCA-A-D3) by reaction of Δ^9 -tetrahydrocannabinol-D3 with magnesium methyl carbonate. <i>Forensic Science International</i> , 2012 , 222, 368-72	2.6	1
49	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, e17-22	2.6	57
48	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> , 2012 , 903, 95-101	3.2	94
47	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, 1200-14	2.9	21
46	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	2.6	46
45	Synthetische Cannabinoide. <i>Rechtsmedizin</i> , 2012 , 22, 259-271	0.6	14

44	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> , 2012 , 47, 825-35	2.2	110
43	LC-MS/MS analysis of Δ -tetrahydrocannabinolic acid A in serum after protein precipitation using an in-house synthesized deuterated internal standard. <i>Journal of Mass Spectrometry</i> , 2012 , 47, 778-85	2.2	10
42	Rapid isolation procedure for Δ -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, 3059-64	3.2	23
41	Alkoholkonsummarker. <i>Rechtsmedizin</i> , 2011 , 21, 69-79	0.6	6
40	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, 737-46	4.4	26
39	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, 63-8	2.6	37
38	Intrahepatic cholestasis following abuse of powdered kratom (<i>Mitragyna speciosa</i>). <i>Journal of Medical Toxicology</i> , 2011 , 7, 227-31	2.6	97
37	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> , 2011 , 46, 163-71	2.2	124
36	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, e11-5	2.6	18
35	Cannabinoid receptor 2 signaling does not modulate atherogenesis in mice. <i>PLoS ONE</i> , 2011 , 6, e19405	3.7	20
34	Continuous microfluidic DNA extraction using phase-transfer magnetophoresis. <i>Lab on A Chip</i> , 2010 , 10, 3284-90	7.2	79
33	Identification of 48 homologues of phosphatidylethanol in blood by LC-ESI-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 2415-23	4.4	84
32	Urine tested positive for ethyl glucuronide and ethyl sulfate after the consumption of yeast and sugar. <i>Forensic Science International</i> , 2010 , 202, e45-7	2.6	26
31	A survey of warning colours of pesticides. <i>Forensic Science, Medicine, and Pathology</i> , 2010 , 6, 307-13	1.5	2
30	Monitoring of herbal mixtures potentially containing synthetic cannabinoids as psychoactive compounds. <i>Journal of Mass Spectrometry</i> , 2010 , 45, 1186-94	2.2	237
29	Computer assisted modeling of ethyl sulfate pharmacokinetics. <i>Forensic Science International</i> , 2010 , 194, 34-8	2.6	4
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22	Drug dosing error with drops: severe clinical course of codeine intoxication in twins. <i>European Journal of Pediatrics</i> , 2009 , 168, 819-24	4.1	33
21	Suicidal poisoning with mercaptodimethur-morphological findings and toxicological analysis. <i>International Journal of Legal Medicine</i> , 2009 , 123, 327-31	3.1	9
20	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, 387-94	3.1	27
19	Urine tested positive for ethyl glucuronide after trace amounts of ethanol. <i>Addiction</i> , 2009 , 104, 2007-12.6	4.6	46
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