

Robert Kronstrand

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.

85
papers

2,871
citations

29
h-index

52
g-index

90
ext. papers

3,218
ext. citations

3
avg, IF

5.31
L-index

#	Paper	IF	Citations
85	Oxycodone-Related Deaths: The Significance of Pharmacokinetic and Pharmacodynamic Drug Interactions.. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2022 , 47, 259	2.7	0
84	Characterization of recent non-fentanyl synthetic opioids via three different in vitro μ -opioid receptor activation assays.. <i>Archives of Toxicology</i> , 2022 , 96, 877	5.8	1
83	The metabolism of the synthetic cannabinoids ADB-BUTINACA and ADB-4en-PINACA and their detection in forensic toxicology casework and infused papers seized in prisons. <i>Drug Testing and Analysis</i> , 2021 ,	3.5	3
82	Frequency of postmortem ethanol formation in blood, urine and vitreous humor - Improving diagnostic accuracy with the use of ethylsulphate and putrefactive alcohols.. <i>Forensic Science International</i> , 2021 , 331, 111152	2.6	0
81	Oxycodone Concentrations and Metabolic Ratios in Femoral Blood from Fatal Intoxications and Other Causes of Death using LC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2021 , 45, 124-133	2.9	3
80	Circumstances, Postmortem Findings, Blood Concentrations and Metabolism in a Series of Methoxyacetylfentanyl-Related Deaths. <i>Journal of Analytical Toxicology</i> , 2021 , 45, 760-771	2.9	1
79	A sensitive LC-MS/MS method for the quantitation of oxycodone, noroxycodone, 6Ebxycodol, 6Ebxycodol, oxymorphone, and noroxymorphone in human blood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1171, 122625	3.2	0
78	Oxycodone findings and CYP2D6 function in postmortem cases. <i>Forensic Science International: Genetics</i> , 2021 , 53, 102510	4.3	1
77	Structure Elucidation of Urinary Metabolites of Fentanyl and Five Fentanyl Analogs using LC-QTOF-MS, Hepatocyte Incubations and Synthesized Reference Standards. <i>Journal of Analytical Toxicology</i> , 2021 , 44, 993-1003	2.9	9
76	Activation of the μ opioid receptor by alicyclic fentanyls: Changes from high potency full agonists to low potency partial agonists with increasing alicyclic substructure. <i>Drug Testing and Analysis</i> , 2021 , 13, 169-174	3.5	4
75	Heroin-Related Compounds and Metabolic Ratios in Postmortem Samples Using LC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2021 , 45, 215-225	2.9	3
74	Quantitation of seven sedative and analgesic drugs in whole blood from intensive care patients using liquid chromatography mass spectrometry. <i>Toxicologie Analytique Et Clinique</i> , 2021 , 33, 327-327	0.4	
73	A Rapid Method for Postmortem Vitreous Chemistry-Deadside Analysis.. <i>Biomolecules</i> , 2021 , 12,	5.9	2
72	Temporal patterns of tramadol in hair after a single dose. <i>Forensic Science International</i> , 2020 , 316, 110546		5
71	Metabolism of MMB022 and identification of dihydrodiol formation in vitro using synthesized standards. <i>Drug Testing and Analysis</i> , 2020 , 12, 1432-1441	3.5	6
70	Femoral blood concentrations of flualprazolam in 33 postmortem cases. <i>Forensic Science International</i> , 2020 , 307, 110101	2.6	13
69	Distribution of zopiclone and main metabolites in hair following a single dose. <i>Forensic Science International</i> , 2020 , 306, 110074	2.6	5

68	In vitro characterization of new psychoactive substances at the Ebpioid, CB1, 5HT, and 5-HT receptors-On-target receptor potency and efficacy, and off-target effects. <i>Forensic Science International</i> , 2020 , 317, 110553	2.6	5
67	Position Paper: Recommendations for the Investigation, Diagnosis, and Certification of Deaths Related to Opioid and Other Drugs. <i>American Journal of Forensic Medicine and Pathology</i> , 2020 , 41, 152-159	1.5	15
66	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
65	5F-MDMB-PICA metabolite identification and cannabinoid receptor activity. <i>Drug Testing and Analysis</i> , 2020 , 12, 127-135	3.5	16
64	LC-QTOF-MS Identification of Major Urinary Cyclopropylfentanyl Metabolites Using Synthesized Standards. <i>Journal of Analytical Toxicology</i> , 2019 , 43, 607-614	2.9	9
63	First evaluation of the possibility of testing for drugged driving using exhaled breath sampling. <i>Traffic Injury Prevention</i> , 2019 , 20, 238-243	1.8	4
62	The association between alcohol consumption, cardiac biomarkers, left atrial size and re-ablation in patients with atrial fibrillation referred for catheter ablation. <i>PLoS ONE</i> , 2019 , 14, e0215121	3.7	4
61	Biotransformation of the New Synthetic Cannabinoid with an Alkene, MDMB-4en-PINACA, by Human Hepatocytes, Human Liver Microsomes, and Human Urine and Blood. <i>AAPS Journal</i> , 2019 , 22, 13	3.7	14
60	Evaluating the hip-flask defence in subjects with alcohol on board: An experimental study. <i>Forensic Science International</i> , 2019 , 294, 189-195	2.6	4
59	Correlations between metabolism and structural elements of the alicyclic fentanyl analogs cyclopropyl fentanyl, cyclobutyl fentanyl, cyclopentyl fentanyl, cyclohexyl fentanyl and 2,2,3,3-tetramethylcyclopropyl fentanyl studied by human hepatocytes and LC-QTOF-MS. <i>Archives of Toxicology</i> , 2019 , 93, 95-106	5.8	19
58	Validation and Cross-Reactivity Data for Fentanyl Analogs With the Immunalysis Fentanyl ELISA. <i>Journal of Analytical Toxicology</i> , 2019 , 43, 18-24	2.9	18
57	Metabolism study for CUMYL-4CN-BINACA in human hepatocytes and authentic urine specimens: Free cyanide is formed during the main metabolic pathway. <i>Drug Testing and Analysis</i> , 2018 , 10, 1270	3.5	6
56	Fatal Poisonings Associated with New Psychoactive Substances. <i>Handbook of Experimental Pharmacology</i> , 2018 , 252, 495-541	3.2	28
55	Quantitative analysis of drugs in hair by UHPLC high resolution mass spectrometry. <i>Forensic Science International</i> , 2018 , 283, 9-15	2.6	25
54	In vitro and in vivo human metabolism of a new synthetic cannabinoid NM-2201 (CBL-2201). <i>Forensic Toxicology</i> , 2017 , 35, 20-32	2.6	30
53	Identifying Metabolites of Meclonazepam by High-Resolution Mass Spectrometry Using Human Liver Microsomes, Hepatocytes, a Mouse Model, and Authentic Urine Samples. <i>AAPS Journal</i> , 2017 , 19, 736-742	3.7	21
52	A non-fatal intoxication and seven deaths involving the dissociative drug 3-MeO-PCP. <i>Forensic Science International</i> , 2017 , 275, 76-82	2.6	24
51	Acryloylfentanyl, a recently emerged new psychoactive substance: a comprehensive review. <i>Forensic Toxicology</i> , 2017 , 35, 232-243	2.6	19

50	Postmortem and Toxicological Findings in a Series of Furanylfentanyl-Related Deaths. <i>Journal of Analytical Toxicology</i> , 2017 , 41, 242-249	2.9	53
49	Acrylfentanyl: Another new psychoactive drug with fatal consequences. <i>Forensic Science International</i> , 2017 , 277, e21-e29	2.6	33
48	In Vitro and In Vivo Metabolite Identification Studies for the New Synthetic Opioids Acetylfentanyl, Acrylfentanyl, Furanylfentanyl, and 4-Fluoro-Isobutyrylfentanyl. <i>AAPS Journal</i> , 2017 , 19, 1102-1122	3.7	62
47	Synthesis and identification of metabolite biomarkers of 25C-NBOMe and 25I-NBOMe. <i>Tetrahedron</i> , 2017 , 73, 6393-6400	2.4	4
46	Looking at flubromazolam metabolism from four different angles: Metabolite profiling in human liver microsomes, human hepatocytes, mice and authentic human urine samples with liquid chromatography high-resolution mass spectrometry. <i>Forensic Science International</i> , 2017 , 274, 55-63	2.6	23
45	25C-NBOMe and 25I-NBOMe metabolite studies in human hepatocytes, in vivo mouse and human urine with high-resolution mass spectrometry. <i>Drug Testing and Analysis</i> , 2017 , 9, 680-698	3.5	38
44	High Rates of Tramadol Use among Treatment-Seeking Adolescents in Malmö, Sweden: A Study of Hair Analysis of Nonmedical Prescription Opioid Use. <i>Journal of Addiction</i> , 2017 , 2017, 6716929	2.2	11
43	In Vitro and In Vivo Human Metabolism of Synthetic Cannabinoids FDU-PB-22 and FUB-PB-22. <i>AAPS Journal</i> , 2016 , 18, 455-64	3.7	45
42	In vitro, in vivo and in silico metabolic profiling of 6-pyrrolidinopentiothiophenone, a novel thiophene stimulant. <i>Bioanalysis</i> , 2016 , 8, 65-82	2.1	40
41	Quantitation of the enantiomers of tramadol and its three main metabolites in human whole blood using LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 119, 1-9	3.5	11
40	Metabolic characterization of AH-7921, a synthetic opioid designer drug: in vitro metabolic stability assessment and metabolite identification, evaluation of in silico prediction, and in vivo confirmation. <i>Drug Testing and Analysis</i> , 2016 , 8, 779-91	3.5	27
39	Antipsychotics - Postmortem fatal and non-fatal reference concentrations. <i>Forensic Science International</i> , 2016 , 266, 91-101	2.6	17
38	First metabolic profile of PV8, a novel synthetic cathinone, in human hepatocytes and urine by high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 4845-56	4.4	34
37	Phosphatidylethanol Compared with Other Blood Tests as a Biomarker of Moderate Alcohol Consumption in Healthy Volunteers: A Prospective Randomized Study. <i>Alcohol and Alcoholism</i> , 2015 , 50, 399-406	3.5	59
36	Hair Sample Preparation, Extraction, and Screening Procedures for Drugs of Abuse and Pharmaceuticals 2015 , 23-46		0
35	Simultaneous determination of 40 novel psychoactive stimulants in urine by liquid chromatography-high resolution mass spectrometry and library matching. <i>Journal of Chromatography A</i> , 2015 , 1397, 32-42	4.5	92
34	Identification of AB-FUBINACA metabolites in human hepatocytes and urine using high-resolution mass spectrometry. <i>Forensic Toxicology</i> , 2015 , 33, 295-310	2.6	55
33	Pharmacogenetic aspects of tramadol pharmacokinetics and pharmacodynamics after a single oral dose. <i>Forensic Science International</i> , 2014 , 238, 125-32	2.6	26

32	LC-QTOF-MS as a superior strategy to immunoassay for the comprehensive analysis of synthetic cannabinoids in urine. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 3599-609	4.4	80
31	Quantitative analysis of zopiclone, N-desmethylopiclone, zopiclone N-oxide and 2-amino-5-chloropyridine in urine using LC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2014 , 38, 327-34	2.9	7
30	Segmental analysis of amphetamines in hair using a sensitive UHPLC-MS/MS method. <i>Drug Testing and Analysis</i> , 2014 , 6 Suppl 1, 22-9	3.5	11
29	Sensitivity and specificity of EtG in hair as a marker of chronic excessive drinking: pooled analysis of raw data and meta-analysis of diagnostic accuracy studies. <i>Therapeutic Drug Monitoring</i> , 2014 , 36, 560-73 ^{3,2}	3.2	29
28	A cluster of deaths involving 5-(2-aminopropyl)indole (5-IT). <i>Journal of Analytical Toxicology</i> , 2013 , 37, 542-6	2.9	25
27	Toxicological findings of synthetic cannabinoids in recreational users. <i>Journal of Analytical Toxicology</i> , 2013 , 37, 534-41	2.9	103
26	An accidental fatal intoxication with methoxetamine. <i>Journal of Analytical Toxicology</i> , 2013 , 37, 43-6	2.9	69
25	A screening method for 30 drugs in hair using ultrahigh-performance liquid chromatography time-of-flight mass spectrometry. <i>Therapeutic Drug Monitoring</i> , 2013 , 35, 288-95	3.2	14
24	Toxicological and pathological findings in a series of buprenorphine related deaths. Possible risk factors for fatal outcome. <i>Forensic Science International</i> , 2012 , 220, 284-90	2.6	51
23	Ethyl glucuronide in human hair after daily consumption of 16 or 32 g of ethanol for 3 months. <i>Forensic Science International</i> , 2012 , 215, 51-5	2.6	75
22	Society of Hair Testing guidelines for drug testing in hair. <i>Forensic Science International</i> , 2012 , 218, 20-4	2.6	452
21	Drugs related to motor vehicle crashes in northern European countries: a study of fatally injured drivers. <i>Accident Analysis and Prevention</i> , 2011 , 43, 1920-1926	6.1	40
20	LC-MS-MS analysis of buprenorphine and norbuprenorphine in whole blood from suspected drug users. <i>Forensic Science International</i> , 2011 , 209, 113-9	2.6	17
19	Unintentional fatal intoxications with mitragynine and O-desmethyltramadol from the herbal blend Krypton. <i>Journal of Analytical Toxicology</i> , 2011 , 35, 242-7	2.9	145
18	Two fatal intoxications with the new designer drug methedrone (4-methoxymethcathinone). <i>Journal of Analytical Toxicology</i> , 2010 , 34, 594-8	2.9	84
17	Hair analysis for drugs in driver's license regranting. A Swedish pilot study. <i>Forensic Science International</i> , 2010 , 196, 55-8	2.6	31
16	Smoking as a product of gene-environment interaction. <i>Upsala Journal of Medical Sciences</i> , 2009 , 114, 100-7	2.8	14
15	Urinary detection times and excretion patterns of flunitrazepam and its metabolites after a single oral dose. <i>Journal of Analytical Toxicology</i> , 2009 , 33, 491-501	2.9	28

14	Urinary detection times and metabolite/parent compound ratios after a single dose of buprenorphine. <i>Journal of Analytical Toxicology</i> , 2008 , 32, 586-93	2.9	27
13	Comparison of ethyl glucuronide in hair with phosphatidylethanol in whole blood as post-mortem markers of alcohol abuse. <i>Forensic Science International</i> , 2008 , 176, 76-81	2.6	66
12	Evaluation of the role of abstinence in heroin overdose deaths using segmental hair analysis. <i>Forensic Science International</i> , 2007 , 168, 223-6	2.6	43
11	Drug Incorporation into Hair. <i>International Forensic Science and Investigation Series</i> , 2006 , 1-23		5
10	Hair in Postmortem Toxicology. <i>International Forensic Science and Investigation Series</i> , 2006 , 223-239		
9	Quantitation of R-(-)- and S-(+)-amphetamine in hair and blood by gas chromatography-mass spectrometry: an application to compliance monitoring in adult-attention deficit hyperactivity disorder treatment. <i>Journal of Analytical Toxicology</i> , 2005 , 29, 682-8	2.9	19
8	Screening for drugs of abuse in hair with ion spray LC-MS-MS. <i>Forensic Science International</i> , 2004 , 145, 183-90	2.6	123
7	Quantitative analysis of desmethylselegiline, methamphetamine, and amphetamine in hair and plasma from Parkinson patients on long-term selegiline medication. <i>Journal of Analytical Toxicology</i> , 2003 , 27, 135-41	2.9	38
6	Analysis of buprenorphine, norbuprenorphine, and their glucuronides in urine by liquid chromatography-mass spectrometry. <i>Journal of Analytical Toxicology</i> , 2003 , 27, 464-70	2.9	57
5	Segmental ion spray LC-MS-MS analysis of benzodiazepines in hair of psychiatric patients. <i>Journal of Analytical Toxicology</i> , 2002 , 26, 479-84	2.9	62
4	Characterization of [3H]flunitrazepam binding to melanin. <i>Analytical Biochemistry</i> , 2001 , 298, 259-64	3.1	17
3	Codeine Concentration in Hair after Oral Administration Is Dependent on Melanin Content. <i>Clinical Chemistry</i> , 1999 , 45, 1485-1494	5.5	97
2	Incidence of opiates, amphetamines, and cocaine in hair and blood in fatal cases of heroin overdose. <i>Forensic Science International</i> , 1998 , 92, 29-38	2.6	64
1	A Convenient Derivatization Method for the Determination of Amphetamine and Related Drugs in Urine. <i>Journal of Forensic Sciences</i> , 1996 , 41, 13914J	1.8	27