

# Robert Kronstrand

## List of Publications by Citations

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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	Society of Hair Testing guidelines for drug testing in hair. <i>Forensic Science International</i> , <b>2012</b> , 218, 20-4	2.6	452
84	Unintentional fatal intoxications with mitragynine and O-desmethyltramadol from the herbal blend Krypton. <i>Journal of Analytical Toxicology</i> , <b>2011</b> , 35, 242-7	2.9	145
83	Screening for drugs of abuse in hair with ion spray LC-MS-MS. <i>Forensic Science International</i> , <b>2004</b> , 145, 183-90	2.6	123
82	Toxicological findings of synthetic cannabinoids in recreational users. <i>Journal of Analytical Toxicology</i> , <b>2013</b> , 37, 534-41	2.9	103
81	Codeine Concentration in Hair after Oral Administration Is Dependent on Melanin Content. <i>Clinical Chemistry</i> , <b>1999</b> , 45, 1485-1494	5.5	97
80	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> , <b>2015</b> , 1397, 32-42	4.5	92
79	Two fatal intoxications with the new designer drug methedrone (4-methoxymethcathinone). <i>Journal of Analytical Toxicology</i> , <b>2010</b> , 34, 594-8	2.9	84
78	LC-QTOF-MS as a superior strategy to immunoassay for the comprehensive analysis of synthetic cannabinoids in urine. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 3599-609	4.4	80
77	Ethyl glucuronide in human hair after daily consumption of 16 or 32 g of ethanol for 3 months. <i>Forensic Science International</i> , <b>2012</b> , 215, 51-5	2.6	75
76	An accidental fatal intoxication with methoxetamine. <i>Journal of Analytical Toxicology</i> , <b>2013</b> , 37, 43-6	2.9	69
75	Comparison of ethyl glucuronide in hair with phosphatidylethanol in whole blood as post-mortem markers of alcohol abuse. <i>Forensic Science International</i> , <b>2008</b> , 176, 76-81	2.6	66
74	Incidence of opiates, amphetamines, and cocaine in hair and blood in fatal cases of heroin overdose. <i>Forensic Science International</i> , <b>1998</b> , 92, 29-38	2.6	64
73	In Vitro and In Vivo Metabolite Identification Studies for the New Synthetic Opioids Acetylfentanyl, Acrylfentanyl, Furanylfentanyl, and 4-Fluoro-Isobutyrylfentanyl. <i>AAPS Journal</i> , <b>2017</b> , 19, 1102-1122	3.7	62
72	Segmental ion spray LC-MS-MS analysis of benzodiazepines in hair of psychiatric patients. <i>Journal of Analytical Toxicology</i> , <b>2002</b> , 26, 479-84	2.9	62
71	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> , <b>2015</b> , 50, 399-406	3.5	59
70	Analysis of buprenorphine, norbuprenorphine, and their glucuronides in urine by liquid chromatography-mass spectrometry. <i>Journal of Analytical Toxicology</i> , <b>2003</b> , 27, 464-70	2.9	57
69	Identification of AB-FUBINACA metabolites in human hepatocytes and urine using high-resolution mass spectrometry. <i>Forensic Toxicology</i> , <b>2015</b> , 33, 295-310	2.6	55

68	Postmortem and Toxicological Findings in a Series of Furanylfentanyl-Related Deaths. <i>Journal of Analytical Toxicology</i> , <b>2017</b> , 41, 242-249	2.9	53
67	Toxicological and pathological findings in a series of buprenorphine related deaths. Possible risk factors for fatal outcome. <i>Forensic Science International</i> , <b>2012</b> , 220, 284-90	2.6	51
66	In Vitro and In Vivo Human Metabolism of Synthetic Cannabinoids FDU-PB-22 and FUB-PB-22. <i>AAPS Journal</i> , <b>2016</b> , 18, 455-64	3.7	45
65	Evaluation of the role of abstinence in heroin overdose deaths using segmental hair analysis. <i>Forensic Science International</i> , <b>2007</b> , 168, 223-6	2.6	43
64	In vitro, in vivo and in silico metabolic profiling of Epyrrolidinopentiothiophenone, a novel thiophene stimulant. <i>Bioanalysis</i> , <b>2016</b> , 8, 65-82	2.1	40
63	Drugs related to motor vehicle crashes in northern European countries: a study of fatally injured drivers. <i>Accident Analysis and Prevention</i> , <b>2011</b> , 43, 1920-1926	6.1	40
62	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> , <b>2017</b> , 9, 680-698	3.5	38
61	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> , <b>2003</b> , 27, 135-41	2.9	38
60	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> , <b>2016</b> , 408, 4845-56	4.4	34
59	Acrylfentanyl: Another new psychoactive drug with fatal consequences. <i>Forensic Science International</i> , <b>2017</b> , 277, e21-e29	2.6	33
58	Hair analysis for drugs in driver's license regranting. A Swedish pilot study. <i>Forensic Science International</i> , <b>2010</b> , 196, 55-8	2.6	31
57	In vitro and in vivo human metabolism of a new synthetic cannabinoid NM-2201 (CBL-2201). <i>Forensic Toxicology</i> , <b>2017</b> , 35, 20-32	2.6	30
56	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> , <b>2014</b> , 36, 560-75 <sup>3,2</sup>	3.2	29
55	Fatal Poisonings Associated with New Psychoactive Substances. <i>Handbook of Experimental Pharmacology</i> , <b>2018</b> , 252, 495-541	3.2	28
54	Urinary detection times and excretion patterns of flunitrazepam and its metabolites after a single oral dose. <i>Journal of Analytical Toxicology</i> , <b>2009</b> , 33, 491-501	2.9	28
53	Urinary detection times and metabolite/parent compound ratios after a single dose of buprenorphine. <i>Journal of Analytical Toxicology</i> , <b>2008</b> , 32, 586-93	2.9	27
52	A Convenient Derivatization Method for the Determination of Amphetamine and Related Drugs in Urine. <i>Journal of Forensic Sciences</i> , <b>1996</b> , 41, 13914J	1.8	27
51	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> , <b>2016</b> , 8, 779-91	3.5	27

50	Pharmacogenetic aspects of tramadol pharmacokinetics and pharmacodynamics after a single oral dose. <i>Forensic Science International</i> , <b>2014</b> , 238, 125-32	2.6	26
49	A cluster of deaths involving 5-(2-aminopropyl)indole (5-IT). <i>Journal of Analytical Toxicology</i> , <b>2013</b> , 37, 542-6	2.9	25
48	Quantitative analysis of drugs in hair by UHPLC high resolution mass spectrometry. <i>Forensic Science International</i> , <b>2018</b> , 283, 9-15	2.6	25
47	A non-fatal intoxication and seven deaths involving the dissociative drug 3-MeO-PCP. <i>Forensic Science International</i> , <b>2017</b> , 275, 76-82	2.6	24
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> , <b>2017</b> , 274, 55-63	2.6	23
45	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> , <b>2017</b> , 19, 736-742	3.7	21
44	Acryloylfentanyl, a recently emerged new psychoactive substance: a comprehensive review. <i>Forensic Toxicology</i> , <b>2017</b> , 35, 232-243	2.6	19
43	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> , <b>2005</b> , 29, 682-8	2.9	19
42	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> , <b>2019</b> , 93, 95-106	5.8	19
41	Validation and Cross-Reactivity Data for Fentanyl Analogs With the Immunalysis Fentanyl ELISA. <i>Journal of Analytical Toxicology</i> , <b>2019</b> , 43, 18-24	2.9	18
40	LC-MS-MS analysis of buprenorphine and norbuprenorphine in whole blood from suspected drug users. <i>Forensic Science International</i> , <b>2011</b> , 209, 113-9	2.6	17
39	Characterization of [3H]flunitrazepam binding to melanin. <i>Analytical Biochemistry</i> , <b>2001</b> , 298, 259-64	3.1	17
38	Antipsychotics - Postmortem fatal and non-fatal reference concentrations. <i>Forensic Science International</i> , <b>2016</b> , 266, 91-101	2.6	17
37	5F-MDMB-PICA metabolite identification and cannabinoid receptor activity. <i>Drug Testing and Analysis</i> , <b>2020</b> , 12, 127-135	3.5	16
36	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> , <b>2020</b> , 41, 152-159	1.59	15
35	A screening method for 30 drugs in hair using ultrahigh-performance liquid chromatography time-of-flight mass spectrometry. <i>Therapeutic Drug Monitoring</i> , <b>2013</b> , 35, 288-95	3.2	14
34	Smoking as a product of gene-environment interaction. <i>Uppsala Journal of Medical Sciences</i> , <b>2009</b> , 114, 100-7	2.8	14
33	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> , <b>2019</b> , 22, 13	3.7	14

32	Femoral blood concentrations of flualprazolam in 33 postmortem cases. <i>Forensic Science International</i> , <b>2020</b> , 307, 110101	2.6	13
31	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> , <b>2016</b> , 119, 1-9	3.5	11
30	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> , <b>2017</b> , 2017, 6716929	2.2	11
29	Segmental analysis of amphetamines in hair using a sensitive UHPLC-MS/MS method. <i>Drug Testing and Analysis</i> , <b>2014</b> , 6 Suppl 1, 22-9	3.5	11
28	LC-QTOF-MS Identification of Major Urinary Cyclopropylfentanyl Metabolites Using Synthesized Standards. <i>Journal of Analytical Toxicology</i> , <b>2019</b> , 43, 607-614	2.9	9
27	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> , <b>2021</b> , 44, 993-1003	2.9	9
26	Quantitative analysis of zopiclone, N-desmethylzopiclone, zopiclone N-oxide and 2-amino-5-chloropyridine in urine using LC-MS-MS. <i>Journal of Analytical Toxicology</i> , <b>2014</b> , 38, 327-34	2.9	7
25	Metabolism of MMB022 and identification of dihydrodiol formation in vitro using synthesized standards. <i>Drug Testing and Analysis</i> , <b>2020</b> , 12, 1432-1441	3.5	6
24	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> , <b>2018</b> , 10, 1270	3.5	6
23	Temporal patterns of tramadol in hair after a single dose. <i>Forensic Science International</i> , <b>2020</b> , 316, 110546	2.6	5
22	Drug Incorporation into Hair. <i>International Forensic Science and Investigation Series</i> , <b>2006</b> , 1-23		5
21	Distribution of zopiclone and main metabolites in hair following a single dose. <i>Forensic Science International</i> , <b>2020</b> , 306, 110074	2.6	5
20	In vitro characterization of new psychoactive substances at the $\mu$ opioid, CB1, 5HT, and 5-HT receptors-On-target receptor potency and efficacy, and off-target effects. <i>Forensic Science International</i> , <b>2020</b> , 317, 110553	2.6	5
19	Synthesis and identification of metabolite biomarkers of 25C-NBOMe and 25I-NBOMe. <i>Tetrahedron</i> , <b>2017</b> , 73, 6393-6400	2.4	4
18	First evaluation of the possibility of testing for drugged driving using exhaled breath sampling. <i>Traffic Injury Prevention</i> , <b>2019</b> , 20, 238-243	1.8	4
17	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> , <b>2019</b> , 14, e0215121	3.7	4
16	Evaluating the hip-flask defence in subjects with alcohol on board: An experimental study. <i>Forensic Science International</i> , <b>2019</b> , 294, 189-195	2.6	4
15	Activation of the $\mu$ 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> , <b>2021</b> , 13, 169-174	3.5	4

14	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> , <b>2021</b> ,	3.5	3
13	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> , <b>2021</b> , 45, 124-133	2.9	3
12	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
11	Heroin-Related Compounds and Metabolic Ratios in Postmortem Samples Using LC-MS-MS. <i>Journal of Analytical Toxicology</i> , <b>2021</b> , 45, 215-225	2.9	3
10	A Rapid Method for Postmortem Vitreous Chemistry-Deadside Analysis.. <i>Biomolecules</i> , <b>2021</b> , 12,	5.9	2
9	Characterization of recent non-fentanyl synthetic opioids via three different in vitro $\mu$ -opioid receptor activation assays.. <i>Archives of Toxicology</i> , <b>2022</b> , 96, 877	5.8	1
8	Circumstances, Postmortem Findings, Blood Concentrations and Metabolism in a Series of Methoxyacetylfentanyl-Related Deaths. <i>Journal of Analytical Toxicology</i> , <b>2021</b> , 45, 760-771	2.9	1
7	Oxycodone findings and CYP2D6 function in postmortem cases. <i>Forensic Science International: Genetics</i> , <b>2021</b> , 53, 102510	4.3	1
6	Hair Sample Preparation, Extraction, and Screening Procedures for Drugs of Abuse and Pharmaceuticals <b>2015</b> , 23-46		0
5	Oxycodone-Related Deaths: The Significance of Pharmacokinetic and Pharmacodynamic Drug Interactions.. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , <b>2022</b> , 47, 259	2.7	0
4	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> , <b>2021</b> , 331, 111152	2.6	0
3	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> , <b>2021</b> , 1171, 122625	3.2	0
2	Hair in Postmortem Toxicology. <i>International Forensic Science and Investigation Series</i> , <b>2006</b> , 223-239		
1	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> , <b>2021</b> , 33, 327-327	0.4	