

# Robert Kronstrand

## List of Publications by Year in descending order

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90  
papers

3,548  
citations

126708

33  
h-index

143772

57  
g-index

90  
all docs

90  
docs citations

90  
times ranked

2730  
citing authors

#	ARTICLE	IF	CITATIONS
1	Society of Hair Testing guidelines for drug testing in hair. <i>Forensic Science International</i> , 2012, 218, 20-24.	1.3	563
2	Unintentional Fatal Intoxications with Mitragynine and O-Desmethyltramadol from the Herbal Blend Krypton. <i>Journal of Analytical Toxicology</i> , 2011, 35, 242-247.	1.7	168
3	Screening for drugs of abuse in hair with ion spray LC-MS-MS. <i>Forensic Science International</i> , 2004, 145, 183-190.	1.3	137
4	Toxicological Findings of Synthetic Cannabinoids in Recreational Users. <i>Journal of Analytical Toxicology</i> , 2013, 37, 534-541.	1.7	116
5	Codeine Concentration in Hair after Oral Administration Is Dependent on Melanin Content. <i>Clinical Chemistry</i> , 1999, 45, 1485-1494.	1.5	107
6	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.	1.8	103
7	Two Fatal Intoxications with the New Designer Drug Methedrone (4-Methoxymethcathinone). <i>Journal of Analytical Toxicology</i> , 2010, 34, 594-598.	1.7	91
8	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.	0.9	90
9	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, 3599-3609.	1.9	85
10	Ethyl glucuronide in human hair after daily consumption of 16 or 32g of ethanol for 3 months. <i>Forensic Science International</i> , 2012, 215, 51-55.	1.3	81
11	An Accidental Fatal Intoxication with Methoxetamine. <i>Journal of Analytical Toxicology</i> , 2013, 37, 43-46.	1.7	76
12	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.	2.2	76
13	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.	1.3	71
14	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.	1.3	70
15	Analysis of Buprenorphine, Norbuprenorphine, and Their Glucuronides in Urine by Liquid Chromatography-Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2003, 27, 464-470.	1.7	67
16	Segmental Ion Spray LC-MS-MS Analysis of Benzodiazepines in Hair of Psychiatric Patients. <i>Journal of Analytical Toxicology</i> , 2002, 26, 479-484.	1.7	66
17	Toxicological and pathological findings in a series of buprenorphine related deaths. Possible risk factors for fatal outcome. <i>Forensic Science International</i> , 2012, 220, 284-290.	1.3	61
18	Identification of AB-FUBINACA metabolites in human hepatocytes and urine using high-resolution mass spectrometry. <i>Forensic Toxicology</i> , 2015, 33, 295-310.	1.4	58

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19	Postmortem and Toxicological Findings in a Series of Furanylfentanyl-Related Deaths. <i>Journal of Analytical Toxicology</i> , 2017, 41, 242-249.	1.7	57
20	In Vitro and In Vivo Human Metabolism of Synthetic Cannabinoids FDU-PB-22 and FUB-PB-22. <i>AAPS Journal</i> , 2016, 18, 455-464.	2.2	50
21	Evaluation of the role of abstinence in heroin overdose deaths using segmental hair analysis. <i>Forensic Science International</i> , 2007, 168, 223-226.	1.3	49
22	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.	3.0	44
23	<i>In vitro</i> , <i>in vivo</i> and <i>in silico</i> metabolic profiling of $\pm$ -pyrrolidinopentiothiophenone, a novel thiophene stimulant. <i>Bioanalysis</i> , 2016, 8, 65-82.	0.6	44
24	<sup>25</sup> C $\alpha$ -NBOMe and <sup>25</sup> I $\alpha$ -NBOMe metabolite studies in human hepatocytes, <i>in vivo</i> mouse and human urine with high-resolution mass spectrometry. <i>Drug Testing and Analysis</i> , 2017, 9, 680-698.	1.6	43
25	Acrylfentanyl: Another new psychoactive drug with fatal consequences. <i>Forensic Science International</i> , 2017, 277, e21-e29.	1.3	42
26	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, 135-141.	1.7	41
27	5F $\alpha$ -MDMB $\alpha$ -PICA metabolite identification and cannabinoid receptor activity. <i>Drug Testing and Analysis</i> , 2020, 12, 127-135.	1.6	41
28	A Convenient Derivatization Method for the Determination of Amphetamine and Related Drugs in Urine. <i>Journal of Forensic Sciences</i> , 1996, 41, 148-151.	0.9	41
29	Fatal Poisonings Associated with New Psychoactive Substances. <i>Handbook of Experimental Pharmacology</i> , 2018, 252, 495-541.	0.9	40
30	Urinary Detection Times and Metabolite/Parent Compound Ratios After a Single Dose of Buprenorphine. <i>Journal of Analytical Toxicology</i> , 2008, 32, 586-593.	1.7	35
31	Hair analysis for drugs in driver's license regranting. A Swedish pilot study. <i>Forensic Science International</i> , 2010, 196, 55-58.	1.3	35
32	A non-fatal intoxication and seven deaths involving the dissociative drug 3-MeO-PCP. <i>Forensic Science International</i> , 2017, 275, 76-82.	1.3	35
33	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, 4845-4856.	1.9	34
34	Sensitivity and Specificity of EtG in Hair as a Marker of Chronic Excessive Drinking. <i>Therapeutic Drug Monitoring</i> , 2014, 36, 560-575.	1.0	33
35	Metabolic characterization of AH $\alpha$ -7921, a synthetic opioid designer drug: <i>in vitro</i> metabolic stability assessment and metabolite identification, evaluation of <i>in silico</i> prediction, and <i>in vivo</i> confirmation. <i>Drug Testing and Analysis</i> , 2016, 8, 779-791.	1.6	33
36	Quantitative analysis of drugs in hair by UHPLC high resolution mass spectrometry. <i>Forensic Science International</i> , 2018, 283, 9-15.	1.3	33

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37	Position Paper. American Journal of Forensic Medicine and Pathology, 2020, 41, 152-159.	0.4	33
38	Urinary Detection Times and Excretion Patterns of Flunitrazepam and its Metabolites After A Single Oral Dose. Journal of Analytical Toxicology, 2009, 33, 491-501.	1.7	31
39	In vitro and in vivo human metabolism of a new synthetic cannabinoid NM-2201 (CBL-2201). Forensic Toxicology, 2017, 35, 20-32.	1.4	31
40	Pharmacogenetic aspects of tramadol pharmacokinetics and pharmacodynamics after a single oral dose. Forensic Science International, 2014, 238, 125-132.	1.3	30
41	Identifying Metabolites of Meclonazepam by High-Resolution Mass Spectrometry Using Human Liver Microsomes, Hepatocytes, a Mouse Model, and Authentic Urine Samples. AAPS Journal, 2017, 19, 736-742.	2.2	30
42	The metabolism of the synthetic cannabinoids ADB- $\Delta^8$ -BUTINACA and ADB- $\Delta^8$ -PINACA and their detection in forensic toxicology casework and infused papers seized in prisons. Drug Testing and Analysis, 2022, 14, 634-652.	1.6	30
43	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. Forensic Science International, 2017, 274, 55-63.	1.3	28
44	Femoral blood concentrations of flualprazolam in 33 postmortem cases. Forensic Science International, 2020, 307, 110101.	1.3	28
45	A Cluster of Deaths Involving 5-(2-Aminopropyl)Indole (5-IT). Journal of Analytical Toxicology, 2013, 37, 542-546.	1.7	26
46	Validation and Cross-Reactivity Data for Fentanyl Analogs With the Immunalysis Fentanyl ELISA. Journal of Analytical Toxicology, 2019, 43, 18-24.	1.7	25
47	Biotransformation of the New Synthetic Cannabinoid with an Alkene, MDMB-4en-PINACA, by Human Hepatocytes, Human Liver Microsomes, and Human Urine and Blood. AAPS Journal, 2020, 22, 13.	2.2	25
48	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. Journal of Analytical Toxicology, 2005, 29, 682-688.	1.7	24
49	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. Archives of Toxicology, 2019, 93, 95-106.	1.9	24
50	Antipsychotics $\hat{z}$ Postmortem fatal and non-fatal reference concentrations. Forensic Science International, 2016, 266, 91-101.	1.3	22
51	Acryloylfentanyl, a recently emerged new psychoactive substance: a comprehensive review. Forensic Toxicology, 2017, 35, 232-243.	1.4	22
52	LC-MS/MS analysis of buprenorphine and norbuprenorphine in whole blood from suspected drug users. Forensic Science International, 2011, 209, 113-119.	1.3	21
53	Characterization of [3H]Flunitrazepam Binding to Melanin. Analytical Biochemistry, 2001, 298, 259-264.	1.1	19
54	Segmental analysis of amphetamines in hair using a sensitive UHPLC-MS/MS method. Drug Testing and Analysis, 2014, 6, 22-29.	1.6	18

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55	Smoking as a product of gene-environment interaction. <i>Upsala Journal of Medical Sciences</i> , 2009, 114, 100-107.	0.4	17
56	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, 288-295.	1.0	15
57	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.	1.4	14
58	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, 1-9.	0.9	14
59	Metabolism study for CUMYL-CINACA in human hepatocytes and authentic urine specimens: Free cyanide is formed during the main metabolic pathway. <i>Drug Testing and Analysis</i> , 2018, 10, 1270-1279.	1.6	14
60	LC-QTOF-MS Identification of Major Urinary Cyclopropylfentanyl Metabolites Using Synthesized Standards. <i>Journal of Analytical Toxicology</i> , 2019, 43, 607-614.	1.7	14
61	First evaluation of the possibility of testing for drugged driving using exhaled breath sampling. <i>Traffic Injury Prevention</i> , 2019, 20, 238-243.	0.6	13
62	Metabolism of MMB022 and identification of dihydrodiol formation in vitro using synthesized standards. <i>Drug Testing and Analysis</i> , 2020, 12, 1432-1441.	1.6	12
63	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.	1.7	12
64	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> , 2014, 38, 327-334.	1.7	11
65	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.	1.1	11
66	Heroin-Related Compounds and Metabolic Ratios in Postmortem Samples Using LC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2021, 45, 215-225.	1.7	11
67	In vitro characterization of new psychoactive substances at the $\mu$ -opioid, CB1, 5HT1A, and 5-HT2A receptors: On-target receptor potency and efficacy, and off-target effects. <i>Forensic Science International</i> , 2020, 317, 110553.	1.3	10
68	Characterization of recent non-fentanyl synthetic opioids via three different in vitro $\mu$ -opioid receptor activation assays. <i>Archives of Toxicology</i> , 2022, 96, 877-897.	1.9	10
69	Temporal patterns of tramadol in hair after a single dose. <i>Forensic Science International</i> , 2020, 316, 110546.	1.3	9
70	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> , 2022, 331, 111152.	1.3	8
71	Distribution of zopiclone and main metabolites in hair following a single dose. <i>Forensic Science International</i> , 2020, 306, 110074.	1.3	7
72	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> , 2021, 13, 169-174.	1.6	7

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73	Drug Incorporation into Hair. <i>International Forensic Science and Investigation Series</i> , 2006, , 1-23.	0.0	6
74	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.	1.4	6
75	Circumstances, Postmortem Findings, Blood Concentrations and Metabolism in a Series of Methoxyacetylfentanyl-Related Deaths. <i>Journal of Analytical Toxicology</i> , 2021, 45, 760-771.	1.7	6
76	Evaluating the hip-flask defence in subjects with alcohol on board: An experimental study. <i>Forensic Science International</i> , 2019, 294, 189-195.	1.3	5
77	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.	1.7	5
78	A Rapid Method for Postmortem Vitreous Chemistry—Deadside Analysis. <i>Biomolecules</i> , 2022, 12, 32.	1.8	5
79	Synthesis and identification of metabolite biomarkers of 25C-NBOMe and 25I-NBOMe. <i>Tetrahedron</i> , 2017, 73, 6393-6400.	1.0	4
80	Oxycodone findings and CYP2D6 function in postmortem cases. <i>Forensic Science International: Genetics</i> , 2021, 53, 102510.	1.6	4
81	Postmortem Metabolomics Reveal Acylcarnitines as Potential Biomarkers for Fatal Oxycodone-Related Intoxication. <i>Metabolites</i> , 2022, 12, 109.	1.3	4
82	Hair Sample Preparation, Extraction, and Screening Procedures for Drugs of Abuse and Pharmaceuticals. , 2015, , 23-46.		2
83	The Quantification of Oxycodone and Its Phase I and II Metabolites in Urine. <i>Journal of Analytical Toxicology</i> , 2022, 46, 55-63.	1.7	2
84	Oxycodone-Related Deaths: The Significance of Pharmacokinetic and Pharmacodynamic Drug Interactions. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2022, 47, 259.	0.6	2
85	Fast and Sensitive Method for the Determination of 17 Designer Benzodiazepines in Hair by Liquid Chromatography—Tandem Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2022, 46, 852-859.	1.7	2
86	A sensitive LC-MS/MS method for the quantitation of oxycodone, noroxycodone, 6 $\beta$ -oxycodol, 6 $\alpha$ -oxycodol, oxymorphone, and noroxymorphone in human blood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1171, 122625.	1.2	1
87	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.	0.1	1
88	Screening for drugs of abuse in hair with ion spray LC-MS-MS. , 2004, 145, 183-183.		1
89	Hair in Postmortem Toxicology. <i>International Forensic Science and Investigation Series</i> , 2006, , 223-239.	0.0	0
90	Urinary Pharmacokinetics of Immediate and Controlled Release Oxycodone and its Phase I and II Metabolites Using LC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2021, , .	1.7	0