Kristian Linnet

List of Publications by Year
in descending order

94 papers	2,604 citations	236612 25 h-index	223531 46 g-index
98 all docs	98 docs citations	98 times ranked	2558 citing authors

#	Article	IF	Citations
1	Psychedelic effects of psilocybin correlate with serotonin 2A receptor occupancy and plasma psilocin levels. Neuropsychopharmacology, 2019, 44, 1328-1334.	2.8	259
2	A review on the impact of P-glycoprotein on the penetration of drugs into the brain. Focus on psychotropic drugs. European Neuropsychopharmacology, 2008, 18, 157-169.	0.3	150
3	Simultaneous screening and quantification of 52 common pharmaceuticals and drugs of abuse in hair using UPLCâ€"TOF-MS. Forensic Science International, 2010, 196, 85-92.	1.3	145
4	Quantifying the Accuracy of a Diagnostic Test or Marker. Clinical Chemistry, 2012, 58, 1292-1301.	1.5	132
5	Estimation of the linear relationship between the measurements of two methods with proportional errors. Statistics in Medicine, 1990, 9, 1463-1473.	0.8	124
6	Synthetic cannabimimetic agents metabolized by carboxylesterases. Drug Testing and Analysis, 2015, 7, 565-576.	1.6	81
7	Targeted and nonâ€targeted drug screening in whole blood by UHPLCâ€TOFâ€MS with dataâ€independent acquisition. Drug Testing and Analysis, 2017, 9, 1052-1061.	1.6	67
8	Prediction of collision cross section and retention time for broad scope screening in gradient reversed-phase liquid chromatography-ion mobility-high resolution accurate mass spectrometry. Journal of Chromatography A, 2018, 1542, 82-88.	1.8	67
9	Quantification of 31 illicit and medicinal drugs and metabolites in whole blood by fully automated solid-phase extraction and ultra-performance liquid chromatographyâ€"tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2013, 405, 2607-2617.	1.9	66
10	HighResNPS.com: An Online Crowd-Sourced HR-MS Database for Suspect and Non-targeted Screening of New Psychoactive Substances. Journal of Analytical Toxicology, 2019, 43, 520-527.	1.7	61
11	Application of an activityâ€based receptor bioassay to investigate the in vitro activity of selected indoleâ€ and indazoleâ€3â€carboxamideâ€based synthetic cannabinoids at CB1 and CB2 receptors. Drug Testing and Analysis, 2019, 11, 501-511.	1.6	61
12	Application of a screening method for fentanyl and its analogues using UHPLCâ€QTOFâ€MS with dataâ€independent acquisition (DIA) in MS^E mode and retrospective analysis of authentic forensic blood samples. Drug Testing and Analysis, 2018, 10, 651-662.	1.6	57
13	Psilocybin-induced changes in brain network integrity and segregation correlate with plasma psilocin level and psychedelic experience. European Neuropsychopharmacology, 2021, 50, 121-132.	0.3	57
14	Hair analysis in toxicological investigation of drug-facilitated crimes in Denmark over a 8-year period. Forensic Science International, 2018, 285, e1-e12.	1.3	46
15	Metabolites of 5Fâ€AKBâ€48, a synthetic cannabinoid receptor agonist, identified in human urine and liver microsomal preparations using liquid chromatography highâ€resolution mass spectrometry. Drug Testing and Analysis, 2015, 7, 199-206.	1.6	45
16	Characterization of the hepatic cytochrome P450 enzymes involved in the metabolism of 25Iâ€NBOMe and 25Iâ€NBOH. Drug Testing and Analysis, 2017, 9, 671-679.	1.6	41
17	Targeted analysis of 116 drugs in hair by UHPLCâ€MS/MS and its application to forensic cases. Drug Testing and Analysis, 2017, 9, 1137-1151.	1.6	39
18	Post-mortem toxicology in young sudden cardiac death victims: a nationwide cohort study. Europace, 2018, 20, 614-621.	0.7	39

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19	Validation of a Fully Automated Robotic Setup for Preparation of Whole Blood Samples for LC-MS Toxicology Analysis. Journal of Analytical Toxicology, 2012, 36, 280-287.	1.7	37
20	Effects of glucagon-like peptide 1 analogs on alcohol intake in alcohol-preferring vervet monkeys. Psychopharmacology, 2019, 236, 603-611.	1.5	36
21	<i>In vitro</i> studies on flubromazolam metabolism and detection of its metabolites in authentic forensic samples. Drug Testing and Analysis, 2017, 9, 1182-1191.	1.6	35
22	Reference Brain/Blood Concentrations of Citalopram, Duloxetine, Mirtazapine and Sertraline. Journal of Analytical Toxicology, 2018, 42, 149-156.	1.7	33
23	Toxicological screening of basic drugs in whole blood using UPLC–TOF–MS. Drug Testing and Analysis, 2012, 4, 313-319.	1.6	30
24	Dominance of pre-analytical over analytical variation for measurement of methadone and its main metabolite in postmortem femoral blood. Forensic Science International, 2008, 179, 78-82.	1.3	28
25	Postmortem Quetiapine Reference Concentrations in Brain and Blood. Journal of Analytical Toxicology, 2015, 39, 557-561.	1.7	27
26	Segmental Hair Analysis—Interpretation of the Time of Drug Intake in Two Patients Undergoing Drug Treatment. Journal of Forensic Sciences, 2019, 64, 950-955.	0.9	27
27	Ketamine analogues: Comparative toxicokinetic in vitro–in vivo extrapolation and quantification of 2-fluorodeschloroketamine in forensic blood and hair samples. Journal of Pharmaceutical and Biomedical Analysis, 2020, 180, 113049.	1.4	25
28	Development of a UPLC–MS/MS method for determining γ-hydroxybutyric acid (GHB) and GHB glucuronide concentrations in hair and application to forensic cases. Forensic Toxicology, 2016, 34, 51-60.	1.4	24
29	Deposition of diazepam and its metabolites in hair following a single dose of diazepam. International Journal of Legal Medicine, 2017, 131, 131-141.	1.2	24
30	Post-mortem quetiapine concentrations in hair segments of psychiatric patients — Correlation between hair concentration, dose and concentration in blood. Forensic Science International, 2018, 285, 58-64.	1.3	24
31	Validation of a fully automated solid-phase extraction and ultra-high-performance liquid chromatography–tandem mass spectrometry method for quantification of 30 pharmaceuticals and metabolites in post-mortem blood and brain samples. Drug Testing and Analysis, 2018, 10, 1147-1157.	1.6	24
32	Comprehensive investigation on synthetic cannabinoids: Metabolic behavior and potency testing, using 5F-APP-PICA and AMB-FUBINACA as model compounds. Drug Testing and Analysis, 2019, 11, 1358-1368.	1.6	24
33	Development of a single retention time prediction model integrating multiple liquid chromatography systems: Application to new psychoactive substances. Analytica Chimica Acta, 2021, 1184, 339035.	2.6	23
34	Evaluation of poly-drug use in methadone-related fatalities using segmental hair analysis. Forensic Science International, 2015, 248, 134-139.	1.3	22
35	JWH-018 ω-OH, a shared hydroxy metabolite of the two synthetic cannabinoids JWH-018 and AM-2201, undergoes oxidation by alcohol dehydrogenase and aldehyde dehydrogenase enzymes in vitro forming the carboxylic acid metabolite. Toxicology Letters, 2016, 259, 35-43.	0.4	22
36	Retrospective analysis for valproate screening targets with liquid chromatography–high resolution mass spectrometry with positive electrospray ionization: An omics-based approach. Drug Testing and Analysis, 2019, 11, 730-738.	1.6	22

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37	The exponentially weighted moving average (EWMA) rule compared with traditionally used quality control rules. Clinical Chemistry and Laboratory Medicine, 2006, 44, 396-9.	1.4	21
38	Pre-analytical and analytical variation of drug determination in segmented hair using ultra-performance liquid chromatography–tandem mass spectrometry. Forensic Science International, 2014, 234, 16-21.	1.3	21
39	Postmortem Brain and Blood Reference Concentrations of Alprazolam, Bromazepam, Chlordiazepoxide, Diazepam, and their Metabolites and a Review of the Literature. Journal of Analytical Toxicology, 2016, 40, 529-536.	1.7	21
40	Screening and Quantitative Determination of Twelve Acidic and Neutral Pharmaceuticals in Whole Blood by Liquid-Liquid Extraction and Liquid Chromatography-Tandem Mass Spectrometry. Journal of Analytical Toxicology, 2010, 34, 367-373.	1.7	20
41	Cytochrome P450–mediated metabolism of the synthetic cannabinoids UR–144 and XLR–11. Drug Testing and Analysis, 2016, 8, 792-800.	1.6	19
42	Metabolism of the synthetic cannabinoids AMB-CHMICA and 5C-AKB48 in pooled human hepatocytes and rat hepatocytes analyzed by UHPLC-(IMS)-HR-MS E. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1083, 189-197.	1.2	19
43	Effects of a single dose of psilocybin on behaviour, brain 5-HT2A receptor occupancy and gene expression in the pig. European Neuropsychopharmacology, 2021, 42, 1-11.	0.3	19
44	How to perform spectrum-based LC-HR-MS screening for more than 1,000 NPS with HighResNPS consensus fragment ions. PLoS ONE, 2020, 15, e0242224.	1.1	18
45	Postmortem drug concentration intervals for the non-intoxicated state – A review. Journal of Clinical Forensic and Legal Medicine, 2012, 19, 245-249.	0.5	17
46	Postmortem Femoral Blood Reference Concentrations of Aripiprazole, Chlorprothixene, and Quetiapine. Journal of Analytical Toxicology, 2015, 39, 41-44.	1.7	17
47	Postmortem concentrations of gamma-hydroxybutyrate (GHB) in peripheral blood and brain tissue – Differentiating between postmortem formation and antemortem intake. Forensic Science International, 2017, 272, 154-158.	1.3	17
48	Driving under the influence of alcohol and drugs in the eastern part of Denmark in 2015 and 2016: Abuse patterns and trends. Traffic Injury Prevention, 2018, 19, 468-475.	0.6	17
49	Identification of New Psychoactive Substances in Seized material Using UHPLC–QTOF-MS and An Online Mass Spectral Database. Journal of Analytical Toxicology, 2021, 44, 1047-1051.	1.7	16
50	Assessing diagnostic tests by a strictly proper scoring rule. Statistics in Medicine, 1989, 8, 609-618.	0.8	15
51	Hair testing for cortisol by UPLC–MS/MS in a family: External cross-contamination from use of cortisol cream. Forensic Science International, 2019, 305, 109968.	1.3	15
52	Pharmacometabolomics Informs About Pharmacokinetic Profile of Methylphenidate. CPT: Pharmacometrics and Systems Pharmacology, 2018, 7, 525-533.	1.3	14
53	Simple implementation of muscle tissue into routine workflow of blood analysis in forensic cases – A validated method for quantification of 29 drugs in postmortem blood and muscle samples by UHPLC–MS/MS. Forensic Science International, 2021, 325, 110901.	1.3	14
54	Postmortem Femoral Blood Concentrations of Amlodipine. Journal of Analytical Toxicology, 2011, 35, 227-231.	1.7	13

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55	Segmental Analysis of Chlorprothixene and Desmethylchlorprothixene in Postmortem Hair. Journal of Analytical Toxicology, 2018, 42, 642-649.	1.7	12
56	Identification of phenobarbital and other barbiturates in forensic drug screening using positive electrospray ionization liquid chromatographyâˆ'high resolution mass spectrometry. Drug Testing and Analysis, 2019, 11, 1258-1263.	1.6	12
57	An oxcarbazepine-related fatality with an overview of 26 oxcarbazepine postmortem cases. Forensic Science International, 2008, 177, 248-251.	1.3	11
58	Coronary artery CT calcium score assessed by direct calcium quantification using atomic absorption spectroscopy and compared to macroscopic and histological assessments. International Journal of Legal Medicine, 2019, 133, 1485-1496.	1.2	11
59	Segmental hair analysis of olanzapine and N-desmethyl-olanzapine in postmortem hair from mentally ill patients by LCâ€"MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2020, 190, 113510.	1.4	11
60	Screening of Danish traffic cases for synthetic cannabinoids in whole blood by LC-MS/MS. Scandinavian Journal of Forensic Science, 2013, 19, 45-51.	0.0	10
61	Nitrobenzodiazepines: Postmortem brain and blood reference concentrations. Forensic Science International, 2016, 268, 39-45.	1.3	10
62	Postmortem Femoral Blood Concentrations of Risperidone. Journal of Analytical Toxicology, 2014, 38, 57-60.	1.7	9
63	Screening for Anabolic Steroids in Urine of Forensic Cases Using Fully Automated Solid Phase Extraction and LCâ€"MS-MS. Journal of Analytical Toxicology, 2014, 38, 637-644.	1.7	9
64	Advantages of analyzing postmortem brain samples in routine forensic drug screeningâ€"Case series of three non-natural deaths tested positive for lysergic acid diethylamide (LSD). Forensic Science International, 2017, 278, e14-e18.	1.3	9
65	Metabolism of the synthetic cannabinoid 5F-PY-PICA by human and rat hepatocytes and identification of biliary analytical targets by directional efflux in sandwich-cultured rat hepatocytes using UHPLC-HR-MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 296-307.	1.4	9
66	Bromo-dragonfly, a psychoactive benzodifuran, is resistant to hepatic metabolism and potently inhibits monoamine oxidase A. Toxicology Letters, 2018, 295, 397-407.	0.4	9
67	A Systematic Review of Metabolite-to-Drug Ratios of Pharmaceuticals in Hair for Forensic Investigations. Metabolites, 2021, 11, 686.	1.3	9
68	Reference Brain and Blood Concentrations of Olanzapine in Postmortem Cases. Journal of Analytical Toxicology, 2018, 42, 650-654.	1.7	8
69	Glycineâ€modified growth hormone secretagogues identified in seized doping material. Drug Testing and Analysis, 2019, 11, 350-354.	1.6	8
70	Postmortem Brainâ€"Blood Ratios of Amphetamine, Cocaine, Ephedrine, MDMA and Methylphenidate. Journal of Analytical Toxicology, 2019, 43, 378-384.	1.7	8
71	Brain-blood ratio of morphine in heroin and morphine autopsy cases. Forensic Science International, 2019, 301, 388-393.	1.3	8
72	Metabolic profiling of four synthetic stimulants, including the novel indanyl-cathinone 5-PPDi, after human hepatocyte incubation. Journal of Pharmaceutical Analysis, 2020, 10, 147-156.	2.4	8

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73	Determination of the unbound fraction of R- and S-methadone in human brain. International Journal of Legal Medicine, 2016, 130, 1519-1526.	1.2	7
74	Postmortem Brain–Blood Ratios of Codeine, Fentanyl, Oxycodone and Tramadol. Journal of Analytical Toxicology, 2021, 45, 53-59.	1.7	7
75	Increased risk of fatal intoxication and polypharmacy among psychiatric patients at death. Journal of Forensic Sciences, 2021, 66, 255-264.	0.9	7
76	Roles of polymorphic enzymes CYP2D6 and CYP2C19 for in vitro metabolism of amitriptyline at therapeutic and toxic levels. Forensic Toxicology, 2009, 27, 12-20.	1.4	6
77	Combined Ensemble Docking and Machine Learning in Identification of Therapeutic Agents with Potential Inhibitory Effect on Human CES1. Molecules, 2019, 24, 2747.	1.7	6
78	In Vitro Metabolism and Hepatic Intrinsic Clearance of the Synthetic Cannabinoid Receptor Agonist JWH-122 and Its Four Ï‰-Halogenated Analogues. AAPS Journal, 2019, 21, 63.	2.2	6
79	In vitro and in vivo metabolism and detection of 3â€HOâ€PCP, a synthetic phencyclidine, in human samples and pooled human hepatocytes using high resolution mass spectrometry. Drug Testing and Analysis, 2020, 12, 987-993.	1.6	6
80	A quantitative method for the selective 5-HT2A agonist 25CN-NBOH in rat plasma and brain. Journal of Pharmaceutical and Biomedical Analysis, 2021, 199, 114016.	1.4	6
81	Cocaine profiling method retrospectively developed with nontargeted discovery of markers using liquid chromatography with timeâ€ofâ€flight mass spectrometry data. Drug Testing and Analysis, 2021, , .	1.6	6
82	Concentrations of aripiprazole and dehydroaripiprazole in hair segments from deceased individuals with mental disorders. Forensic Science International, 2020, 317, 110523.	1.3	5
83	Cannabidiol versus risperidone for treatment of recent-onset psychosis with comorbid cannabis use: study protocol for a randomized controlled clinical trial. BMC Psychiatry, 2021, 21, 404.	1.1	4
84	A New Strategy for Efficient Retrospective Data Analyses for Designer Benzodiazepines in Large LC-HRMS Datasets. Frontiers in Chemistry, 2022, 10, .	1.8	4
85	Metabolomicsâ€driven determination of targets for salicylic acid and ibuprofen in positive electrospray ionization using LCâ€HRMS. Drug Testing and Analysis, 2022, 14, 747-756.	1.6	3
86	Fatal intoxications among non-drug addicts in Eastern Denmark over a 5-year period (2008&ndash;2012). Research and Reports in Forensic Medical Science, 0, Volume 8, 9-16.	0.0	2
87	Treatment Status and Use of Psychoactive Substances in Deceased Drug Users. European Addiction Research, 2020, 26, 57-65.	1.3	2
88	CYP2D6 Genotyping and Antipsychotic-Associated Extrapyramidal Adverse Effects in a Randomized Trial of Aripiprazole Versus Quetiapine Extended Release in Children and Adolescents, Aged 12â€"17 Years, With First Episode Psychosis. Journal of Clinical Psychopharmacology, 2021, 41, 667-672.	0.7	2
89	Comparison of Comprehensive Screening Results in Postmortem Blood and Brain Tissue by UHPLCâ€"QTOF-MS. Journal of Analytical Toxicology, 2023, 46, 1053-1058.	1.7	2
90	Concentrations of citalopram and escitalopram in postmortem hair segments. Forensic Science International, 2022, 336, 111349.	1.3	2

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91	A case story, involving the use of maltitol, a sugar alcohol, as a cutting agent in amphetamine and cocaine powders. Scandinavian Journal of Forensic Science, 2016, 22, 6-10.	1.0	1
92	Analytical Profiling of Airplane Wastewater - a New Matrix for Mapping Worldwide Patterns of Drug Use and Abuse. Scandinavian Journal of Forensic Science, 2017, 23, 7-12.	1.0	1
93	Death from diabetic ketoacidosis in the Eastern part of Denmark in 2016-2018. Beta-hydroxybutyrate as a marker. Scandinavian Journal of Forensic Science, 2019, 25, 5-8.	1.0	1
94	Analysis of seized peptide and protein€based doping agents using four complimentary methods: Liquid chromatography coupled with time of flight mass spectrometry, liquid chromatographyâ€"ultraviolet, Bradford, and immunoassays. Drug Testing and Analysis, 2021, 13, 1457-1463.	1.6	0