

# Ilkka Antero Ojanper

## 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.

92 papers	2,943 citations	32 h-index	51 g-index
95 ext. papers	3,242 ext. citations	3.3 avg, IF	5.36 L-index

#	Paper	IF	Citations
92	Isotopic pattern and accurate mass determination in urine drug screening by liquid chromatography/time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2006</b> , 20, 1161-7	2.2	196
91	Current use of high-resolution mass spectrometry in drug screening relevant to clinical and forensic toxicology and doping control. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 403, 1203-20	4.4	143
90	A general screening method for doping agents in human urine by solid phase extraction and liquid chromatography/time-of-flight mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2007</b> , 585, 94-102	6.6	140
89	Toxicological screening with formula-based metabolite identification by liquid chromatography/time-of-flight mass spectrometry. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 5710-8	7.8	128
88	A high-sensitivity ultra-high performance liquid chromatography/high-resolution time-of-flight mass spectrometry (UHPLC-HR-TOFMS) method for screening synthetic cannabinoids and other drugs of abuse in urine. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 8463-74	4.4	101
87	Benzodiazepines and alcohol are associated with cases of fatal buprenorphine poisoning. <i>European Journal of Clinical Pharmacology</i> , <b>2012</b> , 68, 301-9	2.8	99
86	Profiles of pregabalin and gabapentin abuse by postmortem toxicology. <i>Forensic Science International</i> , <b>2014</b> , 241, 1-6	2.6	81
85	Alcohol and drugs in suicides. <i>British Journal of Psychiatry</i> , <b>1996</b> , 169, 75-80	5.4	77
84	Toxicological screening of urine for drugs by liquid chromatography/time-of-flight mass spectrometry with automated target library search based on elemental formulas. <i>Rapid Communications in Mass Spectrometry</i> , <b>2001</b> , 15, 521-6	2.2	74
83	Comparison of fatal poisonings by prescription opioids. <i>Forensic Science International</i> , <b>2012</b> , 222, 327-31	2.6	71
82	Screening for basic drugs in hair of drug addicts by liquid chromatography/time-of-flight mass spectrometry. <i>Therapeutic Drug Monitoring</i> , <b>2008</b> , 30, 717-24	3.2	71
81	In silico methods for predicting metabolism and mass fragmentation applied to quetiapine in liquid chromatography/time-of-flight mass spectrometry urine drug screening. <i>Rapid Communications in Mass Spectrometry</i> , <b>2009</b> , 23, 506-14	2.2	65
80	Analysis of street drugs in seized material without primary reference standards. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 7375-9	7.8	63
79	Urine analysis of 3,4-methylenedioxypyrovalerone in opioid-dependent patients by gas chromatography-mass spectrometry. <i>Therapeutic Drug Monitoring</i> , <b>2011</b> , 33, 257-63	3.2	62
78	Drug concentrations in post-mortem femoral blood compared with therapeutic concentrations in plasma. <i>Drug Testing and Analysis</i> , <b>2014</b> , 6, 308-16	3.5	61
77	Generic sample preparation and dual polarity liquid chromatography-time-of-flight mass spectrometry for high-throughput screening in doping analysis. <i>Drug Testing and Analysis</i> , <b>2009</b> , 1, 250-66	3.5	61
76	Comparison of product ion spectra obtained by liquid chromatography/triple-quadrupole mass spectrometry for library search. <i>Rapid Communications in Mass Spectrometry</i> , <b>2004</b> , 18, 1039-46	2.2	59

75	Application of accurate mass measurement to urine drug screening. <i>Journal of Analytical Toxicology</i> , <b>2005</b> , 29, 34-40	2.9	58
74	In silico and in vitro metabolism studies support identification of designer drugs in human urine by liquid chromatography/quadrupole-time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 6697-709	4.4	55
73	An epidemic of fatal 3-methylfentanyl poisoning in Estonia. <i>International Journal of Legal Medicine</i> , <b>2008</b> , 122, 395-400	3.1	50
72	Alcohol and Benzodiazepines in Fatal Poisonings. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2002</b> , 26, 956-959	3.7	50
71	Vitreous humor as an alternative matrix for comprehensive drug screening in postmortem toxicology by liquid chromatography-time-of-flight mass spectrometry. <i>Journal of Analytical Toxicology</i> , <b>2010</b> , 34, 312-8	2.9	48
70	Broad-spectrum drug screening of meconium by liquid chromatography with tandem mass spectrometry and time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 398, 925-35	4.4	48
69	Fatal toxicity index of medicinal drugs based on a comprehensive toxicology database. <i>International Journal of Legal Medicine</i> , <b>2016</b> , 130, 1209-16	3.1	42
68	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
67	New psychoactive substances as part of polydrug abuse within opioid maintenance treatment revealed by comprehensive high-resolution mass spectrometric urine drug screening. <i>Human Psychopharmacology</i> , <b>2016</b> , 31, 44-52	2.3	39
66	Polydrug abuse among opioid maintenance treatment patients is related to inadequate dose of maintenance treatment medicine. <i>BMC Psychiatry</i> , <b>2017</b> , 17, 245	4.2	36
65	Screening for basic drugs in 2-mL urine samples by dual-plate overpressured layer chromatography and comparison with gas chromatography-mass spectrometry. <i>Journal of Analytical Toxicology</i> , <b>2003</b> , 27, 226-32	2.9	35
64	Measuring insulin in human vitreous humour using LC-MS/MS. <i>Drug Testing and Analysis</i> , <b>2012</b> , 4, 53-6	3.5	34
63	Phenazepam abuse in Finland: findings from apprehended drivers, post-mortem cases and police confiscations. <i>Forensic Science International</i> , <b>2012</b> , 220, 111-7	2.6	34
62	Performance of immunoassays in screening for opiates, cannabinoids and amphetamines in post-mortem blood. <i>Forensic Science International</i> , <b>2003</b> , 131, 148-55	2.6	34
61	Evaluation of a high resolving power time-of-flight mass spectrometer for drug analysis in terms of resolving power and acquisition rate. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2011</b> , 22, 379-85	3.5	33
60	Newer antidepressants: evaluation of fatal toxicity index and interaction with alcohol based on Finnish postmortem data. <i>International Journal of Legal Medicine</i> , <b>2005</b> , 119, 344-8	3.1	32
59	Blood levels of 3-methylfentanyl in 3 fatal poisoning cases. <i>American Journal of Forensic Medicine and Pathology</i> , <b>2006</b> , 27, 328-31	1	31
58	Keto amphetamine toxicity-focus on the redox reactivity of the cathinone designer drug mephedrone. <i>Toxicological Sciences</i> , <b>2014</b> , 141, 120-31	4.4	29

57	Differentiation of structural isomers in a target drug database by LC/Q-TOFMS using fragmentation prediction. <i>Drug Testing and Analysis</i> , <b>2010</b> , 2, 259-70	3.5	29
56	Mitochondrial respiratory dysfunction due to the conversion of substituted cathinones to methylbenzamides in SH-SY5Y cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 14924	4.9	27
55	Adverse interaction of warfarin and paracetamol: evidence from a post-mortem study. <i>European Journal of Clinical Pharmacology</i> , <b>2010</b> , 66, 97-103	2.8	26
54	Comparison between drug screening by immunoassay and ultra-high performance liquid chromatography/high-resolution time-of-flight mass spectrometry in post-mortem urine. <i>Drug Testing and Analysis</i> , <b>2015</b> , 7, 420-7	3.5	25
53	Non-medical use of psychoactive prescription drugs is associated with fatal poisoning. <i>Addiction</i> , <b>2018</b> , 113, 464-472	4.6	25
52	Quantitative screening for benzodiazepines in blood by dual-column gas chromatography and comparison of the results with urine immunoassay. <i>Journal of Analytical Toxicology</i> , <b>2000</b> , 24, 46-53	2.9	25
51	Parenteral buprenorphine-naloxone abuse is a major cause of fatal buprenorphine-related poisoning. <i>Forensic Science International</i> , <b>2013</b> , 232, 11-5	2.6	23
50	Compensation of matrix effects in a standard addition method for metformin in postmortem blood using liquid chromatography-electrospray-tandem mass spectrometry. <i>Journal of Analytical Toxicology</i> , <b>2015</b> , 39, 359-64	2.9	22
49	Comparison of breath-alcohol screening test results with venous blood alcohol concentration in suspected drunken drivers. <i>Forensic Science International</i> , <b>2014</b> , 239, 57-61	2.6	21
48	Post-mortem vitreous humour as potential specimen for detection of insulin analogues by LC-MS/MS. <i>Forensic Science International</i> , <b>2013</b> , 233, 328-32	2.6	21
47	Automated quantitative screening for acidic and neutral drugs in whole blood by dual-column capillary gas chromatography. <i>Journal of Analytical Toxicology</i> , <b>1991</b> , 15, 204-8	2.9	21
46	Pregabalin serum levels in apprehended drivers. <i>Forensic Science International</i> , <b>2014</b> , 243, 112-6	2.6	20
45	Prescription opioid abuse based on representative postmortem toxicology. <i>Forensic Science International</i> , <b>2014</b> , 245, 121-5	2.6	20
44	The effect of banning MDPV on the incidence of MDPV-positive findings among users of illegal drugs and on court decisions in traffic cases in Finland. <i>International Journal of Legal Medicine</i> , <b>2015</b> , 129, 741-9	3.1	19
43	Fatal venlafaxine poisonings are associated with a high prevalence of drug interactions. <i>International Journal of Legal Medicine</i> , <b>2011</b> , 125, 349-58	3.1	19
42	High buprenorphine-related mortality is persistent in Finland. <i>Forensic Science International</i> , <b>2018</b> , 291, 76-82	2.6	18
41	Urine naloxone concentration at different phases of buprenorphine maintenance treatment. <i>Drug Testing and Analysis</i> , <b>2014</b> , 6, 220-5	3.5	18
40	Simultaneous identification and quantification of new psychoactive substances in blood by GC-APCI-QTOFMS coupled to nitrogen chemiluminescence detection without authentic reference standards. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 3395-400	4.4	18

39	Summary statistics for drug concentrations in post-mortem femoral blood representing all causes of death. <i>Drug Testing and Analysis</i> , <b>2019</b> , 11, 1326-1337	3.5	17
38	Prevalence of adverse drug combinations in a large post-mortem toxicology database. <i>International Journal of Legal Medicine</i> , <b>2009</b> , 123, 109-15	3.1	17
37	Patterns of drug abuse among drug users with regular and irregular attendance for treatment as detected by comprehensive UHPLC-HR-TOF-MS. <i>Drug Testing and Analysis</i> , <b>2016</b> , 8, 39-45	3.5	16
36	Comparison of Post-targeted and Pre-targeted Urine Drug Screening by UHPLC-HR-QTOFMS. <i>Journal of Analytical Toxicology</i> , <b>2017</b> , 41, 623-630	2.9	16
35	Combined Use of Normal and Reversed Phase Thin Layer Chromatography in the Screening for Basic and Quaternary Drugs. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>1991</b> , 14, 1435-1446		16
34	Straightforward single-calibrant quantification of seized designer drugs by liquid chromatography-chemiluminescence nitrogen detection. <i>Forensic Science International</i> , <b>2014</b> , 237, 119-25 <sup>2,6</sup>		14
33	Femoral blood concentrations of flualprazolam in 33 postmortem cases. <i>Forensic Science International</i> , <b>2020</b> , 307, 110101	2.6	13
32	Sedative-hypnotics are widely abused by drivers apprehended for driving under the influence of drugs. <i>Therapeutic Drug Monitoring</i> , <b>2015</b> , 37, 339-46	3.2	12
31	Nicotine, alcohol, and drug findings in young adults in a population-based postmortem database. <i>Nicotine and Tobacco Research</i> , <b>2011</b> , 13, 763-71	4.9	12
30	Photodiode array to charged aerosol detector response ratio enables comprehensive quantitative monitoring of basic drugs in blood by ultra-high performance liquid chromatography. <i>Analytica Chimica Acta</i> , <b>2015</b> , 865, 1-7	6.6	11
29	Concomitant drugs with buprenorphine user deaths. <i>Drug and Alcohol Dependence</i> , <b>2021</b> , 218, 108345	4.9	10
28	Meconium drug testing reveals maternal misuse of medicinal opioids among addicted mothers. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 529-33	3.5	9
27	Development of a GC-APCI-QTOFMS library for new psychoactive substances and comparison to a commercial ESI library. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 2007-2013	4.4	8
26	Specific screening method for dextran and hydroxyethyl starch in human urine by size exclusion chromatography-in-source collision-induced dissociation-time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 563-71	4.4	8
25	Toxic lifespan of the synthetic opioid U-47,700 in Finland verified by re-analysis of UPLC-TOF-MS data. <i>Forensic Science International</i> , <b>2019</b> , 300, 85-88	2.6	7
24	Ethylene Glycol and Metabolite Concentrations in Fatal Ethylene Glycol Poisonings. <i>Journal of Analytical Toxicology</i> , <b>2015</b> , 39, 481-5	2.9	7
23	Quantitative estimation of EPVP metabolites in urine by GC-APCI-QTOFMS with nitrogen chemiluminescence detection based on parent drug calibration. <i>Forensic Science International</i> , <b>2018</b> , 286, 12-17	2.6	7
22	Prevalence and blood concentrations of desoxypipradrol (2-DPMP) in drivers suspected of driving under the influence of drugs and in post-mortem cases. <i>Forensic Science International</i> , <b>2013</b> , 226, 146-51 <sup>2,6</sup>		7

21	Quantification of drugs in plasma without primary reference standards by liquid chromatography-chemiluminescence nitrogen detection: application to tramadol metabolite ratios. <i>Therapeutic Drug Monitoring</i> , <b>2007</b> , 29, 423-8	3.2	7
20	The relationship between bupropion and suicide in post-mortem investigations. <i>Forensic Science International</i> , <b>2016</b> , 266, 343-348	2.6	5
19	Single-calibrant quantification of drugs in plasma and whole blood by liquid chromatography-chemiluminescence nitrogen detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2007</b> , 856, 239-44	3.2	5
18	Quantitative Estimation of 38 Illicit Psychostimulants in Blood by GC-APCI-QTOFMS with Nitrogen Chemiluminescence Detection Based on Three External Calibrators. <i>Journal of Analytical Toxicology</i> , <b>2020</b> , 44, 163-172	2.9	5
17	Increase in drugs-of-abuse findings in post-mortem toxicology due to COVID-19 restrictions-First observations in Finland. <i>Drug Testing and Analysis</i> , <b>2021</b> , 13, 867-870	3.5	5
16	Fatal IPVP and amphetamine poisoning during a sauna and autoerotic practices. <i>Forensic Science, Medicine, and Pathology</i> , <b>2020</b> , 16, 493-497	1.5	4
15	How do different extracorporeal circulation systems affect metoprolol bioavailability in coronary artery bypass surgery patients. <i>European Journal of Clinical Pharmacology</i> , <b>2018</b> , 74, 785-792	2.8	4
14	Inadequate Dose of Opioid-agonist Medication is Related to Misuse of Benzodiazepines. <i>Addictive Disorders and Their Treatment</i> , <b>2009</b> , 8, 145-153	0.5	4
13	Manganese-enhanced magnetic resonance imaging reveals differential long-term neuroadaptation after methamphetamine and the substituted cathinone 4-methylmethcathinone (mephedrone). <i>International Journal of Neuropsychopharmacology</i> , <b>2014</b> , 18,	5.8	3
12	Concurrent estimation of metabolite concentrations along with parent drug quantification in post-mortem blood. <i>Forensic Science International</i> , <b>2016</b> , 267, 110-114	2.6	3
11	Pregabalin and gabapentin in non-opioid poisoning deaths. <i>Forensic Science International</i> , <b>2021</b> , 324, 110830	2.6	3
10	Propranolol and metoprolol: Two comparable drugs with very different post-mortem toxicological profiles. <i>Forensic Science International</i> , <b>2021</b> , 327, 110978	2.6	3
9	Application of electrospray ionization product ion spectra for identification with atmospheric pressure matrix-assisted laser desorption/ionization mass spectrometry - a case study with seized drugs. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 68-73	3.5	2
8	Enzymatic assay for urine lactose in the assessment of recent intravenous abuse of buprenorphine. <i>Drug Testing and Analysis</i> , <b>2019</b> , 11, 1412-1418	3.5	1
7	Purity estimation of seized stimulant-type new psychoactive substances without reference standards by nitrogen chemiluminescence detection combined with GC-APCI-QTOFMS. <i>Forensic Science International</i> , <b>2020</b> , 312, 110304	2.6	1
6	Comprehensive Toxicological and Forensic Drug Screening by LC/TOF-MS <b>2008</b> , 173-195		1
5	Death in Sauna Associated With a Transdermal Fentanyl Patch. <i>American Journal of Forensic Medicine and Pathology</i> , <b>2020</b> , 41, 313-314	1	1
4	Determination of buprenorphine, norbuprenorphine, naloxone, and their glucuronides in urine by liquid chromatography-tandem mass spectrometry. <i>Drug Testing and Analysis</i> , <b>2021</b> , 13, 1658-1667	3.5	1

- 3 Single-calibrant quantification of seized synthetic opioids by liquid chromatography-chemiluminescence nitrogen detection. *Forensic Science International*, **2019**, 305, 110001<sup>2,6</sup> 1
- 2 Significant decrease in the rate of fatal alcohol poisonings in Finland validated by blood alcohol concentration statistics. *Drug and Alcohol Dependence*, **2020**, 206, 107722 4.9 0
- 1 Buprenorphine, Polydrug Use and Deaths **2022**, 1-20