

# Frank Musshoff

## 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.

69  
papers

2,748  
citations

24  
h-index

52  
g-index

71  
ext. papers

3,031  
ext. citations

2.9  
avg, IF

5.21  
L-index

#	Paper	IF	Citations
69	Validation of new methods. <i>Forensic Science International</i> , <b>2007</b> , 165, 216-24	2.6	944
68	Review of biologic matrices (urine, blood, hair) as indicators of recent or ongoing cannabis use. <i>Therapeutic Drug Monitoring</i> , <b>2006</b> , 28, 155-63	3.2	163
67	Automated headspace solid-phase dynamic extraction for the determination of amphetamines and synthetic designer drugs in hair samples. <i>Journal of Chromatography A</i> , <b>2002</b> , 958, 231-8	4.5	112
66	Analytical pitfalls in hair testing. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 388, 1475-94	4.4	107
65	New trends in hair analysis and scientific demands on validation and technical notes. <i>Forensic Science International</i> , <b>2007</b> , 165, 204-15	2.6	103
64	Postmortem biochemistry. <i>Forensic Science International</i> , <b>2007</b> , 165, 165-71	2.6	93
63	Automated headspace solid-phase dynamic extraction for the determination of cannabinoids in hair samples. <i>Forensic Science International</i> , <b>2003</b> , 133, 32-8	2.6	91
62	Driving under the influence of synthetic cannabinoids ("Spice"): a case series. <i>International Journal of Legal Medicine</i> , <b>2014</b> , 128, 59-64	3.1	87
61	Post-mortem biochemical investigations of vitreous humor. <i>Forensic Science International</i> , <b>2009</b> , 192, 78-82	2.6	76
60	Fatal blood and tissue concentrations of more than 200 drugs. <i>Forensic Science International</i> , <b>2004</b> , 142, 161-210	2.6	67
59	Fully automated determination of cannabinoids in hair samples using headspace solid-phase microextraction and gas chromatography-mass spectrometry. <i>Journal of Analytical Toxicology</i> , <b>2002</b> , 26, 554-60	2.9	63
58	Fully automated determination of amphetamines and synthetic designer drugs in hair samples using headspace solid-phase microextraction and gas chromatography-mass spectrometry. <i>Journal of Chromatographic Science</i> , <b>2002</b> , 40, 359-64	1.4	53
57	Disorders of glucose metabolism-post mortem analyses in forensic cases: part I. <i>International Journal of Legal Medicine</i> , <b>2011</b> , 125, 163-70	3.1	51
56	Determination of biological markers for alcohol abuse. <i>Biomedical Applications</i> , <b>1998</b> , 713, 245-64		50
55	Comparison of ethyl glucuronide (EtG) and fatty acid ethyl esters (FAEEs) concentrations in hair for testing abstinence. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 175-81	4.4	48
54	Ethyl glucuronide and ethyl sulfate in urine after consumption of various beverages and foods--misleading results?. <i>International Journal of Legal Medicine</i> , <b>2010</b> , 124, 623-30	3.1	48
53	Loss-of-function polymorphisms in the organic cation transporter OCT1 are associated with reduced postoperative tramadol consumption. <i>Pain</i> , <b>2016</b> , 157, 2467-2475	8	40

52	Enantiomeric determination of tramadol and O-desmethyltramadol by liquid chromatography-mass spectrometry and application to postoperative patients receiving tramadol. <i>Journal of Analytical Toxicology</i> , <b>2006</b> , 30, 463-7	2.9	39
51	Opiate concentrations in hair from subjects in a controlled heroin-maintenance program and from opiate-associated fatalities. <i>Journal of Analytical Toxicology</i> , <b>2005</b> , 29, 345-52	2.9	38
50	Determination of cocaine, cocaine metabolites and cannabinoids in single hairs by MALDI Fourier transform mass spectrometry--preliminary results. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 361-5	3.5	35
49	Disorders of glucose metabolism: post mortem analyses in forensic cases--part II. <i>International Journal of Legal Medicine</i> , <b>2011</b> , 125, 171-80	3.1	33
48	Variations in vitreous humor chemical values as a result of pre-analytical treatment. <i>Forensic Science International</i> , <b>2011</b> , 210, 263-70	2.6	32
47	Determination of opioid analgesics in hair samples using liquid chromatography/tandem mass spectrometry and application to patients under palliative care. <i>Therapeutic Drug Monitoring</i> , <b>2007</b> , 29, 655-61	3.2	27
46	A gas chromatographic analysis of phosphine in biological material in a case of suicide. <i>Forensic Science International</i> , <b>2008</b> , 177, e35-8	2.6	26
45	Accidental autoerotic death by volatile substance abuse or nonsexually motivated accidents?. <i>American Journal of Forensic Medicine and Pathology</i> , <b>2006</b> , 27, 188-92	1	21
44	Comparison of post-mortem metabolic changes in sheep brain tissue in isolated heads and whole animals using <sup>1</sup> H-MR spectroscopy--preliminary results. <i>International Journal of Legal Medicine</i> , <b>2011</b> , 125, 741-4	3.1	20
43	Determination of nicotine in hair samples of pre-Columbian mummies. <i>Forensic Science International</i> , <b>2009</b> , 185, 84-8	2.6	20
42	Naphazoline intoxication in a child-a clinical and forensic toxicological case. <i>Forensic Science International</i> , <b>2003</b> , 134, 234-7	2.6	20
41	Concentration distribution of more than 100 drugs and metabolites in forensic hair samples. <i>International Journal of Legal Medicine</i> , <b>2020</b> , 134, 989-995	3.1	18
40	Enantioselective determination of ondansetron and 8-hydroxyondansetron in human plasma from recovered surgery patients by liquid chromatography-tandem mass spectrometry. <i>Journal of Analytical Toxicology</i> , <b>2010</b> , 34, 581-6	2.9	18
39	Methadone substitution: medicolegal problems in Germany. <i>Forensic Science International</i> , <b>2003</b> , 133, 118-24	2.6	17
38	Clinical and forensic examinations of glycemic marker 1,5-anhydroglucitol by means of high performance liquid chromatography tandem mass spectrometry. <i>Forensic Science International</i> , <b>2012</b> , 222, 132-6	2.6	15
37	Death during patient-controlled analgesia: piritramide overdose and tissue distribution of the drug. <i>Forensic Science International</i> , <b>2005</b> , 154, 247-51	2.6	14
36	Proof of active cannabis use comparing 11-hydroxy- $\Delta^9$ -tetrahydrocannabinol with 11-nor-9-carboxy-tetrahydrocannabinol concentrations. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 1573-1578	3.5	13
35	Cocaine and opiate concentrations in hair from subjects in a heroin maintenance program in comparison to a methadone substituted group. <i>International Journal of Legal Medicine</i> , <b>2009</b> , 123, 363-9	3.1	13

34	Mono-/polyintoxication with 5F-ADB: A case series. <i>Forensic Science International</i> , <b>2019</b> , 301, e29-e37	2.6	12
33	Determination of hydroxy metabolites of cocaine from hair samples and comparison with street cocaine samples. <i>Forensic Science International</i> , <b>2018</b> , 288, 223-226	2.6	12
32	Determination of hydroxy metabolites of cocaine in hair samples for proof of consumption. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 681-688	3.5	12
31	Ethyl glucuronide findings in hair samples from the mummies of the Capuchin Catacombs of Palermo. <i>Forensic Science International</i> , <b>2013</b> , 232, 213-7	2.6	11
30	Lethal neuroleptic malignant syndrome due to amisulpride. <i>Forensic Science, Medicine, and Pathology</i> , <b>2013</b> , 9, 218-20	1.5	9
29	Xylometazoline poisoning: A 40-fold nasal overdose caused by a compounding error in 3 children. <i>Forensic Science International</i> , <b>2014</b> , 238, e3-5	2.6	8
28	Comparison of urine results concerning co-consumption of illicit heroin and other drugs in heroin and methadone maintenance programs. <i>International Journal of Legal Medicine</i> , <b>2010</b> , 124, 499-503	3.1	8
27	Dose-concentration relationships of methadone and EDDP in hair of patients on a methadone-maintenance program. <i>Forensic Science, Medicine, and Pathology</i> , <b>2005</b> , 1, 97-103	1.5	8
26	Single hair analysis: Validation of a screening method for over 150 analytes and application on documented single-dose cases. <i>Drug Testing and Analysis</i> , <b>2021</b> , 13, 817-832	3.5	7
25	Optimization and validation of CEDIA drugs of abuse immunoassay tests in serum and urine on an Olympus AU 400. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 366-71	3.5	6
24	The anatomical mummies of Mombello: detection of cocaine, nicotine, and caffeine in the hair of psychiatric patients of the early 20th century. <i>Forensic Science International</i> , <b>2017</b> , 270, 20-24	2.6	6
23	Retrospective analysis of new psychoactive substances in blood samples of German drivers suspected of driving under the influence of drugs. <i>Drug Testing and Analysis</i> , <b>2020</b> , 12, 1470-1476	3.5	5
22	Evaluation of 1,5-anhydro-d-glucitol in clinical and forensic urine samples. <i>Forensic Science International</i> , <b>2018</b> , 287, 88-97	2.6	5
21	1,5-Anhydro-d-glucitol in vitreous humor and cerebrospinal fluid - A helpful tool for identification of diabetes and diabetic coma post mortem. <i>Forensic Science International</i> , <b>2018</b> , 289, 397-407	2.6	5
20	Unintentional lethal overdose with metildigoxin in a 36-week-old infant--post mortem tissue distribution of metildigoxin and its metabolites by liquid chromatography tandem mass spectrometry. <i>Forensic Science International</i> , <b>2014</b> , 241, e23-7	2.6	4
19	Return of the Quaaludes? Prolonged agitated delirium after intentional ingestion of the methaqualone analog SL-164 - a case report. <i>Substance Abuse</i> , <b>2021</b> , 42, 503-505	3.8	2
18	Can a threshold for 11-nor-9-carboxy- $\Delta^9$ -tetrahydrocannabinol in hair be derived when its respective concentration in blood serum indicates regular use?. <i>Drug Testing and Analysis</i> , <b>2019</b> , 11, 325-330	3.5	2
17	Creatinine excretion in consecutive urine samples after controlled ingestion of water. <i>Drug Testing and Analysis</i> , <b>2019</b> , 11, 435-440	3.5	2

16	Comparison of concentrations of drugs between blood samples with and without fluoride additive-important findings for Tetrahydrocannabinol and amphetamine. <i>International Journal of Legal Medicine</i> , <b>2019</b> , 133, 109-116	3.1	2
15	Forensisch-toxikologische Eignungsuntersuchungen. <i>Rechtsmedizin</i> , <b>2016</b> , 26, 237-250	0.6	1
14	Forensisch-toxikologische Eignungsuntersuchungen. <i>Rechtsmedizin</i> , <b>2016</b> , 26, 149-165	0.6	1
13	Application of single hair analysis in a doping case involving amphetamine.. <i>Drug Testing and Analysis</i> , <b>2022</b> ,	3.5	1
12	Positive THC-COOH findings in hair samples negative for THC. <i>Drug Testing and Analysis</i> , <b>2020</b> , 12, 156-158	3.5	1
11	Application of single hair analysis reveals multiple administration of a drug mixture in a case of drug-facilitated sexual assault of a child. <i>Drug Testing and Analysis</i> , <b>2021</b> , 13, 1580-1584	3.5	1
10	Corneal Penetration of Low-Dose Atropine Eye Drops. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	1
9	Fatal Immunohaemolysis after the Consumption of the Poison Pax Mushroom: A Focus on the Diagnosis of the Paxillus Syndrome with the Aid of Two Case Reports. <i>Diagnostics</i> , <b>2019</b> , 9,	3.8	0
8	Nurse induced respiratory depression by succinylcholine--the Thero syndrome? <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 741-4	3.5	0
7	Unexpected results found in larvae samples from two postmortem forensic cases. <i>Forensic Toxicology</i> , 1	2.6	0
6	Medikamente und Fahreignung. <i>Rechtsmedizin</i> , <b>2021</b> , 31, 79-90	0.6	0
5	Verifying the validity of creatinine measurement in low-concentrated urine spot samples-Photospectrometry versus liquid chromatography-tandem mass spectrometry. <i>Drug Testing and Analysis</i> , <b>2021</b> , 13, 1136-1144	3.5	0
4	Aktuelles zur forensisch-toxikologischen Haaranalytik. <i>Rechtsmedizin</i> , <b>2019</b> , 29, 137-153	0.6	0
3	Stoornissen van het glucosemetabolisme [Forensische postmortemanalyses: deel I. <i>Nederlands Tijdschrift Voor Diabetologie</i> , <b>2014</b> , 12, 14-21	0	0
2	Stoornissen van het glucosemetabolisme [Forensische postmortemanalyses: deel II. <i>Nederlands Tijdschrift Voor Diabetologie</i> , <b>2014</b> , 12, 22-31	0	0
1	Chromatographic Techniques for Measuring Organophosphorus Pesticides 139-169		