

Marc Augsburger

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

2,805
citations

159358

30
h-index

205818

48
g-index

113
all docs

113
docs citations

113
times ranked

2861
citing authors

#	ARTICLE	IF	CITATIONS
1	ESPEN micronutrient guideline. <i>Clinical Nutrition</i> , 2022, 41, 1357-1424.	2.3	178
2	Desorption electrospray ionization mass spectrometry: direct toxicological screening and analysis of illicit Ecstasy tablets. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 103-110.	0.7	143
3	Toxicity Assessment of Refill Liquids for Electronic Cigarettes. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 4796-4815.	1.2	105
4	Î ⁹ -THC, 11-OH-Î ⁹ -THC and Î ⁹ -THCCOOH plasma or serum to whole blood concentrations distribution ratios in blood samples taken from living and dead people. <i>Forensic Science International</i> , 2001, 123, 159-164.	1.3	102
5	Concentration of drugs in blood of suspected impaired drivers. <i>Forensic Science International</i> , 2005, 153, 11-15.	1.3	96
6	New Microfluidic-Based Sampling Procedure for Overcoming the Hematocrit Problem Associated with Dried Blood Spot Analysis. <i>Analytical Chemistry</i> , 2015, 87, 2068-2071.	3.2	93
7	Development and validation of a gas chromatographyâ€“negative chemical ionization tandem mass spectrometry method for the determination of ethyl glucuronide in hair and its application to forensic toxicology. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2337-2343.	1.2	77
8	Diagnostic performance of ethyl glucuronide in hair for the investigation of alcohol drinking behavior: a comparison with traditional biomarkers. <i>International Journal of Legal Medicine</i> , 2012, 126, 243-250.	1.2	75
9	Two cases of "cannabis acute psychosis" following the administration of oral cannabis. <i>BMC Psychiatry</i> , 2005, 5, 17.	1.1	74
10	Assessment of Driving Capability Through the Use of Clinical and Psychomotor Tests in Relation to Blood Cannabinoids Levels Following Oral Administration of 20 mg Dronabinol or of a Cannabis Decoction Made with 20 or 60 mg Î ⁹ -THC*. <i>Journal of Analytical Toxicology</i> , 2005, 29, 327-338.	1.7	72
11	First nationwide study on driving under the influence of drugs in Switzerland. <i>Forensic Science International</i> , 2010, 198, 11-16.	1.3	70
12	Positive EtG findings in hair as a result of a cosmetic treatment. <i>Forensic Science International</i> , 2012, 218, 97-100.	1.3	66
13	Drug vaping applied to cannabis: Is "Cannavaping" a therapeutic alternative to marijuana?. <i>Scientific Reports</i> , 2016, 6, 25599.	1.6	65
14	Method for quantification of morphine and its 3- and 6-glucuronides, codeine, codeine glucuronide and 6-monoacetylmorphine in human blood by liquid chromatographyâ€“electrospray mass spectrometry for routine analysis in forensic toxicology. <i>Journal of Chromatography A</i> , 1999, 854, 109-118.	1.8	64
15	Brain dopamine response in human opioid addiction. <i>British Journal of Psychiatry</i> , 2008, 193, 65-72.	1.7	64
16	Drugs and alcohol among suspected impaired drivers in Canton de Vaud (Switzerland). <i>Forensic Science International</i> , 1997, 85, 95-104.	1.3	58
17	Biochemical markers of fatal hypothermia. <i>Forensic Science International</i> , 2013, 226, 54-61.	1.3	56
18	A Fatal Overdose of Cocaine Associated with Coingestion of Marijuana, Buprenorphine, and Fluoxetine. Body Fluid and Tissue Distribution of Cocaine and Its Metabolites Determined by Hydrophilic Interaction Chromatography-Mass Spectrometry (HILIC-MS). <i>Journal of Analytical Toxicology</i> , 2004, 28, 464-474.	1.7	52

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19	Codeine accumulation and elimination in larvae, pupae, and imago of the blowfly <i>Lucilia sericata</i> and effects on its development. <i>International Journal of Legal Medicine</i> , 2008, 122, 205-211.	1.2	47
20	Influence of ethanol dose and pigmentation on the incorporation of ethyl glucuronide into rat hair. <i>Alcohol</i> , 2010, 44, 507-514.	0.8	41
21	Markers for sepsis diagnosis in the forensic setting: state of the art. <i>Croatian Medical Journal</i> , 2014, 55, 103-114.	0.2	41
22	Renal handling of zinc in chronic kidney disease patients and the role of circulating zinc levels in renal function decline. <i>Nephrology Dialysis Transplantation</i> , 2020, 35, 1163-1170.	0.4	40
23	A systematic review of passive exposure to cannabis. <i>Forensic Science International</i> , 2016, 269, 97-112.	1.3	39
24	Is the formula of Traub still up to date in antemortem blood glucose level estimation?. <i>International Journal of Legal Medicine</i> , 2012, 126, 407-413.	1.2	37
25	Hydrogen Sulfide Measurement by Headspace-gas Chromatography-mass Spectrometry (HS-GC-MS): Application to Gaseous Samples and Gas Dissolved in Muscle. <i>Journal of Analytical Toxicology</i> , 2015, 39, 52-57.	1.7	35
26	The Postmortem Diagnosis of Alcoholic Ketoacidosis. <i>Alcohol and Alcoholism</i> , 2014, 49, 271-281.	0.9	34
27	Fatal flecainide intoxication. <i>Forensic Science International</i> , 1999, 106, 115-123.	1.3	33
28	Evaluation of postmortem measurement of NT-proBNP as a marker for cardiac function. <i>International Journal of Legal Medicine</i> , 2008, 122, 415-420.	1.2	33
29	Usefulness of postmortem biochemistry in forensic pathology: Illustrative case reports. <i>Legal Medicine</i> , 2012, 14, 27-35.	0.6	32
30	Carbon isotopic ratio analysis by gas chromatography/combustion/isotope ratio mass spectrometry for the detection of gamma- ¹⁴ C-hydroxybutyric acid (GHB) administration to humans. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3956-3962.	0.7	31
31	Determination of zaleplon and zolpidem by liquid chromatography-turbo-ionspray mass spectrometry: application to forensic cases. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 789, 131-138.	1.2	30
32	Acute coronary syndrome after levamisole-adulterated cocaine abuse. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2014, 21, 48-52.	0.5	29
33	A preclinical model for identifying rats at risk of alcohol use disorder. <i>Scientific Reports</i> , 2017, 7, 9454.	1.6	29
34	Liquid chromatography-high resolution mass spectrometry for broad-spectrum drug screening of dried blood spot as microsampling procedure. <i>Analytica Chimica Acta</i> , 2019, 1063, 110-116.	2.6	29
35	Blood, urine and vitreous isopropyl alcohol as biochemical markers in forensic investigations. <i>Legal Medicine</i> , 2012, 14, 17-20.	0.6	28
36	Value of sTREM-1, procalcitonin and CRP as laboratory parameters for postmortem diagnosis of sepsis. <i>Journal of Infection</i> , 2013, 67, 545-555.	1.7	27

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37	Stability of postmortem methemoglobin: Artifactual changes caused by storage conditions. <i>Forensic Science International</i> , 2018, 283, 21-28.	1.3	26
38	Trace element intakes should be revisited in burn nutrition protocols: A cohort study. <i>Clinical Nutrition</i> , 2018, 37, 958-964.	2.3	25
39	Sensitivity and specificity of NT-proBNP to detect heart failure at post mortem examination. <i>International Journal of Legal Medicine</i> , 2011, 125, 849-856.	1.2	22
40	Body fluid and tissue analysis using filter paper sampling support prior to LC-MS/MS: Application to fatal overdose with colchicine. <i>Drug Testing and Analysis</i> , 2013, 5, 763-772.	1.6	22
41	Endocan measurement for the postmortem diagnosis of sepsis. <i>Legal Medicine</i> , 2014, 16, 1-7.	0.6	22
42	Fitness to drive and cannabis: Validation of two blood THCCOOH thresholds to distinguish occasional users from heavy smokers. <i>Forensic Science International</i> , 2014, 242, 1-8.	1.3	22
43	Detection of Exogenous GHB in Blood by Gas Chromatography-Combustion-Isotope Ratio Mass Spectrometry: Implications in Postmortem Toxicology. <i>Journal of Analytical Toxicology</i> , 2005, 29, 777-781.	1.7	20
44	New insights in carbohydrate-deficient transferrin analysis with capillary electrophoresis-mass spectrometry. <i>Forensic Science International</i> , 2014, 243, 14-22.	1.3	20
45	Determination and distribution of clonidine (Entonox®) in human plasma, post-mortem blood and tissue samples from clonidine-treated patients and from autopsy cases. <i>Forensic Science International</i> , 2007, 170, 193-199.	1.3	19
46	Copeptin as a diagnostic biomarker for sepsis-related deaths. <i>Peptides</i> , 2014, 59, 75-78.	1.2	18
47	Postmortem biochemistry in suspected starvation-induced ketoacidosis. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2016, 42, 51-55.	0.5	18
48	Diagnostic value of lipopolysaccharide-binding protein and procalcitonin for sepsis diagnosis in forensic pathology. <i>International Journal of Legal Medicine</i> , 2013, 127, 427-435.	1.2	17
49	Molecular composition of fingermarks: Assessment of the intra- and inter-variability in a small group of donors using MALDI-MSI. <i>Forensic Chemistry</i> , 2019, 12, 99-106.	1.7	17
50	A New Approach for the Carbon Monoxide (CO) Exposure Diagnosis: Measurement of Total CO in Human Blood Versus Carboxyhemoglobin (HbCO). <i>Journal of Forensic Sciences</i> , 2013, 58, 1041-1046.	0.9	16
51	Will Widespread Synthetic Opioid Consumption Induce Epigenetic Consequences in Future Generations?. <i>Frontiers in Pharmacology</i> , 2018, 9, 702.	1.6	16
52	Carbohydrate-Deficient Transferrin Measured by Capillary Zone Electrophoresis and by Turbidimetric Immunoassay for Identification of Young Heavy Drinkers. <i>Clinical Chemistry</i> , 2005, 51, 1046-1048.	1.5	14
53	Direct Ambient Analysis of Pharmaceutical and Ecstasy Tablets. <i>Chimia</i> , 2006, 60, 190-194.	0.3	14
54	Postmortem biochemistry performed on vitreous humor after postmortem CT-angiography. <i>Legal Medicine</i> , 2012, 14, 297-303.	0.6	14

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55	Systemic Metal Ion Levels in Patients With Modular-Neck Stems: A Prospective Cohort Study. <i>Journal of Arthroplasty</i> , 2016, 31, 1750-1755.	1.5	14
56	DBnorm as an R package for the comparison and selection of appropriate statistical methods for batch effect correction in metabolomic studies. <i>Scientific Reports</i> , 2021, 11, 5657.	1.6	14
57	Death following acute poisoning by moclobemide. <i>Forensic Science International</i> , 2004, 140, 101-107.	1.3	13
58	Postmortem computed tomography angiography, contrast medium administration and toxicological analyses in urine. <i>Legal Medicine</i> , 2015, 17, 157-162.	0.6	13
59	Analysis of residual content of used syringes collected from low threshold facilities in Lausanne, Switzerland. <i>Forensic Science International</i> , 2016, 266, 534-540.	1.3	13
60	Multiplex quantitative imaging of human myocardial infarction by mass spectrometry-immunohistochemistry. <i>International Journal of Legal Medicine</i> , 2018, 132, 1675-1684.	1.2	13
61	An Unusual Case of Accidental Poisoning: Fatal Methadone Inhalation*. <i>Journal of Forensic Sciences</i> , 2011, 56, 1072-1075.	0.9	11
62	Improving forensic investigation for polonium poisoning. <i>Lancet, The</i> , 2013, 382, 1308.	6.3	10
63	Fatal intravenous injection of potassium: Is postmortem biochemistry useful for the diagnosis?. <i>Forensic Science International</i> , 2017, 274, 27-32.	1.3	10
64	Imaging mass spectrometry of elements in forensic cases by LA-ICP-MS. <i>International Journal of Legal Medicine</i> , 2017, 131, 497-500.	1.2	10
65	Drug residues in used syringes in Switzerland: A comparative study. <i>Drug Testing and Analysis</i> , 2018, 10, 874-879.	1.6	10
66	Parallel Reaction Monitoring-Based Quantification of Cannabinoids in Whole Blood. <i>Journal of Analytical Toxicology</i> , 2020, 44, 541-548.	1.7	10
67	Cadmium acute exposure induces metabolic and transcriptomic perturbations in human mature adipocytes. <i>Toxicology</i> , 2022, 470, 153153.	2.0	10
68	Xenon detection in human blood: Analytical validation by accuracy profile and identification of critical storage parameters. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2018, 58, 14-19.	0.5	9
69	Do Objective Measures of Blood Alcohol Concentrations Make More Sense than Self-reports in Emergency Department Studies?. <i>Journal of Addiction Medicine</i> , 2008, 2, 96-102.	1.4	9
70	Acute Aortic Dissection With Carotid and Coronary Malperfusion. <i>American Journal of Forensic Medicine and Pathology</i> , 2014, 35, 157-162.	0.4	8
71	Volatile lipophilic substances management in case of fatal sniffing. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2017, 52, 35-39.	0.5	8
72	In situ metabolomic changes in rat hippocampus after acute cocaine administration. <i>International Journal of Mass Spectrometry</i> , 2019, 437, 87-91.	0.7	8

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73	Ambulatory Blood Pressure in Relation to Plasma and Urinary Manganese. <i>Hypertension</i> , 2020, 75, 1133-1139.	1.3	8
74	Summary statistics for drugs and alcohol concentration recovered in post-mortem femoral blood in Western Switzerland. <i>Forensic Science International</i> , 2021, 325, 110883.	1.3	8
75	Non-invasive detection of cocaine dissolved in wine bottles by 1H magnetic resonance spectroscopy. <i>Drug Testing and Analysis</i> , 2011, 3, 544-547.	1.6	7
76	Ruptured pseudo-aneurysm of a femoral artery in a drug abuser revealed by post-mortem CT angiography. <i>International Journal of Legal Medicine</i> , 2013, 127, 819-823.	1.2	7
77	High-Throughput Qualitative and Quantitative Drug Checking by MALDI HRMS. <i>Frontiers in Chemistry</i> , 2020, 8, 695.	1.8	7
78	Zopiclone Intoxication: Value of Electroencephalography in the Emergency Room. <i>European Neurology</i> , 2007, 58, 246-247.	0.6	6
79	Accuracy Profile Validation of a New Analytical Method for Propane Measurement Using Headspace-Gas Chromatography-Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2014, 38, 73-79.	1.7	6
80	²¹⁰ Po poisoning as possible cause of death: forensic investigations and toxicological analysis of the remains of Yasser Arafat. <i>Forensic Science International</i> , 2016, 259, 1-9.	1.3	6
81	Endocan concentrations in postmortem serum, vitreous humor and urine in victims of lethal hypothermia. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2017, 50, 39-43.	0.5	6
82	Toxicity and Metabolomic Impact of Cobalt, Chromium, and Nickel Exposure on HepaRG Hepatocytes. <i>Chemical Research in Toxicology</i> , 2022, 35, 807-816.	1.7	6
83	Interpretation of lesions of the cardiac conduction system in cocaine-related fatalities. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2007, 14, 416-422.	0.5	5
84	Suspicion of driving under the influence of alcohol or drugs: Cross sectional analysis of drug prevalence in the context of the Swiss legislation. <i>Forensic Science International</i> , 2021, 329, 111081.	1.3	5
85	Quality assurance in road traffic analyses in Switzerland. <i>Forensic Science International</i> , 2010, 198, 7-10.	1.3	4
86	High-mobility group box-1 protein determination in postmortem samples. <i>Forensic Science International</i> , 2014, 239, 103-106.	1.3	4
87	Postmortem serum protein growth arrest-specific 6 levels in sepsis-related deaths. <i>International Journal of Legal Medicine</i> , 2015, 129, 1079-1084.	1.2	4
88	Pancreatic stone protein as a postmortem biochemical marker for the diagnosis of sepsis. <i>Legal Medicine</i> , 2015, 17, 9-13.	0.6	4
89	Disturbances of glucose metabolism associated with the use of psychotropic drugs: A post-mortem evaluation. <i>Forensic Science International</i> , 2017, 274, 33-37.	1.3	4
90	Driving Under the Influence of Drugs: A Single Parallel Monitoring-Based Quantification Approach on Whole Blood. <i>Frontiers in Chemistry</i> , 2020, 8, 626.	1.8	4

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91	The role of cytochrome P450 enzyme genetic variants in cannabis hyperemesis syndrome – A case report. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2021, 129, 82-85.	1.2	4
92	Significant postmortem diffusion of ethanol: A case report. <i>Forensic Science International</i> , 2021, 328, 111046.	1.3	4
93	Unconsciousness and sedation as precipitating factors of diabetic ketoacidosis. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2013, 20, 830-835.	0.5	3
94	Toxic substances in blood: an analysis of current recommendations under a Bayesian (decision) approach. <i>Law, Probability and Risk</i> , 2014, 13, 27-45.	1.2	3
95	Early Repolarization, Acute Emotional Stress and Sudden Death. <i>Journal of Forensic Sciences</i> , 2014, 59, 836-840.	0.9	3
96	Measurement of apolipoprotein M in sepsis-related deaths. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015, 53, e93-6.	1.4	3
97	Dual-energy CT behavior of heroin, cocaine, and typical adulterants. <i>Forensic Science, Medicine, and Pathology</i> , 2015, 11, 20-28.	0.6	3
98	Fatal hemorrhage following sacroiliac joint fusion surgery: A case report. <i>Legal Medicine</i> , 2017, 26, 102-105.	0.6	3
99	Xenon: From medical applications to doping uses. <i>Toxicologie Analytique Et Clinique</i> , 2017, 29, 309-319.	0.1	3
100	Biomarkers of Cerebral Damage in Fatal Hypothermia. <i>American Journal of Forensic Medicine and Pathology</i> , 2019, 40, 242-245.	0.4	3
101	L'argon : utilisations, toxicité et stratégie analytique en toxicologie médico-légale. <i>Toxicologie Analytique Et Clinique</i> , 2012, 24, 185-192.	0.1	3
102	Drugs and Driving: Analytical Strategy. <i>Chimia</i> , 2002, 56, 63-65.	0.3	2
103	Validation of methane measurement using headspace-MS and quantification by a stable isotope-labeled internal standard generated <i>in situ</i> . <i>Journal of Separation Science</i> , 2013, 36, 1967-1972.	1.3	2
104	Alcoholic Ketoacidosis as the Cause of Death: Thomsen and Co-workers Came First. <i>Alcohol and Alcoholism</i> , 2014, 49, 687-688.	0.9	2
105	Metabolomic alteration induced by psychotropic drugs: Short-term metabolite profile as a predictor of weight gain evolution. <i>Clinical and Translational Science</i> , 2021, 14, 2544-2555.	1.5	2
106	Stupéfiants et conduite automobile - les actions réelles en Suisse. <i>Toxicologie Analytique Et Clinique</i> , 2003, 15, 138-144.	0.1	1
107	Intoxications médicamenteuses de l'amisulpride en Suisse romande depuis 2005: concentrations sanguines thérapeutiques, toxiques et médicamenteuses. <i>Toxicologie Analytique Et Clinique</i> , 2014, 26, 61-67.	0.1	0
108	Omics in Forensic Toxicology a Bridge Towards Forensic Medicine. , 2017, , 475-485.		0

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109	Ãvaluation post-mortem du statut nutritionnel chez un nourrisson par dosage des marqueurs biochimiques dans le sang et le sÃrum et criblage des oligo-ÃlÃments dans les cheveux. Toxicologie Analytique Et Clinique, 2020, 32, 217-222.	0.1	0