

# Marc Augsburger

## 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.

106  
papers

2,082  
citations

26  
h-index

41  
g-index

113  
ext. papers

2,444  
ext. citations

3.3  
avg, IF

4.73  
L-index

#	Paper	IF	Citations
106	Desorption electrospray ionization mass spectrometry: direct toxicological screening and analysis of illicit Ecstasy tablets. <i>Rapid Communications in Mass Spectrometry</i> , <b>2006</b> , 20, 103-10	2.2	137
105	Toxicity assessment of refill liquids for electronic cigarettes. <i>International Journal of Environmental Research and Public Health</i> , <b>2015</b> , 12, 4796-815	4.6	91
104	Concentration of drugs in blood of suspected impaired drivers. <i>Forensic Science International</i> , <b>2005</b> , 153, 11-5	2.6	80
103	Delta(9)-THC, 11-OH-Delta(9)-THC and Delta(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> , <b>2001</b> , 123, 159-64	2.6	79
102	New microfluidic-based sampling procedure for overcoming the hematocrit problem associated with dried blood spot analysis. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 2068-71	7.8	72
101	Development and validation of a gas chromatography-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> , <b>2009</b> , 877, 2337-43	3.2	71
100	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> , <b>2012</b> , 126, 243-50	3.1	63
99	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 Delta9-THC. <i>Journal of Analytical Toxicology</i> , <b>2005</b> , 29, 327-38	2.9	59
98	First nationwide study on driving under the influence of drugs in Switzerland. <i>Forensic Science International</i> , <b>2010</b> , 198, 11-6	2.6	58
97	Positive EtG findings in hair as a result of a cosmetic treatment. <i>Forensic Science International</i> , <b>2012</b> , 218, 97-100	2.6	56
96	Method for quantification of morphine and its 3- and 6- glucuronides, codeine, codeine glucuronide and 6-monoacetylmorphine in human blood by liquid chromatography-electrospray mass spectrometry for routine analysis in forensic toxicology. <i>Journal of Chromatography A</i> , <b>1999</b> , 854, 109-18	4.5	54
95	Brain dopamine response in human opioid addiction. <i>British Journal of Psychiatry</i> , <b>2008</b> , 193, 65-72	5.4	53
94	Two cases of "cannabis acute psychosis" following the administration of oral cannabis. <i>BMC Psychiatry</i> , <b>2005</b> , 5, 17	4.2	50
93	Drugs and alcohol among suspected impaired drivers in Canton de Vaud (Switzerland). <i>Forensic Science International</i> , <b>1997</b> , 85, 95-104	2.6	48
92	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> , <b>2004</b> , 28, 161-71	2.9	47
91	Drug vaping applied to cannabis: Is "Cannavaping" a therapeutic alternative to marijuana?. <i>Scientific Reports</i> , <b>2016</b> , 6, 25599	4.9	45
90	Biochemical markers of fatal hypothermia. <i>Forensic Science International</i> , <b>2013</b> , 226, 54-61	2.6	45

89	Influence of ethanol dose and pigmentation on the incorporation of ethyl glucuronide into rat hair. <i>Alcohol</i> , <b>2010</b> , 44, 507-14	2.7	39
88	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> , <b>2008</b> , 122, 205-11	3.1	39
87	Is the formula of Traub still up to date in antemortem blood glucose level estimation?. <i>International Journal of Legal Medicine</i> , <b>2012</b> , 126, 407-13	3.1	33
86	Markers for sepsis diagnosis in the forensic setting: state of the art. <i>Croatian Medical Journal</i> , <b>2014</b> , 55, 103-14	1.6	31
85	A systematic review of passive exposure to cannabis. <i>Forensic Science International</i> , <b>2016</b> , 269, 97-112	2.6	29
84	The postmortem diagnosis of alcoholic ketoacidosis. <i>Alcohol and Alcoholism</i> , <b>2014</b> , 49, 271-81	3.5	28
83	Carbon isotopic ratio analysis by gas chromatography/combustion/isotope ratio mass spectrometry for the detection of gamma-hydroxybutyric acid (GHB) administration to humans. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 3956-62	2.2	28
82	Usefulness of postmortem biochemistry in forensic pathology: illustrative case reports. <i>Legal Medicine</i> , <b>2012</b> , 14, 27-35	1.9	26
81	Blood, urine and vitreous isopropyl alcohol as biochemical markers in forensic investigations. <i>Legal Medicine</i> , <b>2012</b> , 14, 17-20	1.9	26
80	Value of sTREM-1, procalcitonin and CRP as laboratory parameters for postmortem diagnosis of sepsis. <i>Journal of Infection</i> , <b>2013</b> , 67, 545-55	18.9	25
79	Acute coronary syndrome after levamisole-adulterated cocaine abuse. <i>Journal of Clinical Forensic and Legal Medicine</i> , <b>2014</b> , 21, 48-52	1.7	24
78	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> , <b>2015</b> , 39, 52-7	2.9	24
77	Evaluation of postmortem measurement of NT-proBNP as a marker for cardiac function. <i>International Journal of Legal Medicine</i> , <b>2008</b> , 122, 415-20	3.1	24
76	Fatal flecainide intoxication. <i>Forensic Science International</i> , <b>1999</b> , 106, 115-23	2.6	24
75	A preclinical model for identifying rats at risk of alcohol use disorder. <i>Scientific Reports</i> , <b>2017</b> , 7, 9454	4.9	23
74	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> , <b>2003</b> , 789, 131-8	3.2	23
73	New insights in carbohydrate-deficient transferrin analysis with capillary electrophoresis-mass spectrometry. <i>Forensic Science International</i> , <b>2014</b> , 243, 14-22	2.6	19
72	Detection of exogenous GHB in blood by gas chromatography-combustion-isotope ratio mass spectrometry: implications in postmortem toxicology. <i>Journal of Analytical Toxicology</i> , <b>2005</b> , 29, 777-81	2.9	19

71	Fitness to drive and cannabis: validation of two blood THCCOOH thresholds to distinguish occasional users from heavy smokers. <i>Forensic Science International</i> , <b>2014</b> , 242, 1-8	2.6	18
70	Determination and distribution of clotiapine (Entumine) in human plasma, post-mortem blood and tissue samples from clotiapine-treated patients and from autopsy cases. <i>Forensic Science International</i> , <b>2007</b> , 170, 193-9	2.6	18
69	Diagnostic value of lipopolysaccharide-binding protein and procalcitonin for sepsis diagnosis in forensic pathology. <i>International Journal of Legal Medicine</i> , <b>2013</b> , 127, 427-35	3.1	17
68	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> , <b>2020</b> , 35, 1163-1170	4.3	17
67	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> , <b>2013</b> , 5, 763-72	3.5	16
66	Postmortem biochemistry in suspected starvation-induced ketoacidosis. <i>Journal of Clinical Forensic and Legal Medicine</i> , <b>2016</b> , 42, 51-5	1.7	16
65	Trace element intakes should be revisited in burn nutrition protocols: A cohort study. <i>Clinical Nutrition</i> , <b>2018</b> , 37, 958-964	5.9	15
64	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> , <b>2013</b> , 58, 1041-6	1.8	15
63	Endocan measurement for the postmortem diagnosis of sepsis. <i>Legal Medicine</i> , <b>2014</b> , 16, 1-7	1.9	15
62	Stability of postmortem methemoglobin: Artifactual changes caused by storage conditions. <i>Forensic Science International</i> , <b>2018</b> , 283, 21-28	2.6	14
61	Sensitivity and specificity of NT-proBNP to detect heart failure at post mortem examination. <i>International Journal of Legal Medicine</i> , <b>2011</b> , 125, 849-56	3.1	14
60	Carbohydrate-deficient transferrin measured by capillary zone electrophoresis and by turbidimetric immunoassay for identification of young heavy drinkers. <i>Clinical Chemistry</i> , <b>2005</b> , 51, 1046-8	5.5	14
59	Molecular composition of fingerprints: Assessment of the intra- and inter-variability in a small group of donors using MALDI-MSI. <i>Forensic Chemistry</i> , <b>2019</b> , 12, 99-106	2.8	14
58	Liquid chromatography-high resolution mass spectrometry for broad-spectrum drug screening of dried blood spot as microsampling procedure. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1063, 110-116	6.6	13
57	Copeptin as a diagnostic biomarker for sepsis-related deaths. <i>Peptides</i> , <b>2014</b> , 59, 75-8	3.8	13
56	Postmortem biochemistry performed on vitreous humor after postmortem CT-angiography. <i>Legal Medicine</i> , <b>2012</b> , 14, 297-303	1.9	13
55	Direct Ambient Analysis of Pharmaceutical and Ecstasy Tablets. <i>Chimia</i> , <b>2006</b> , 60, 190-194	1.3	13
54	Postmortem computed tomography angiography, contrast medium administration and toxicological analyses in urine. <i>Legal Medicine</i> , <b>2015</b> , 17, 157-62	1.9	12

53	Will Widespread Synthetic Opioid Consumption Induce Epigenetic Consequences in Future Generations?. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 702	5.6	12
52	ESPEN micronutrient guideline.. <i>Clinical Nutrition</i> , <b>2022</b> ,	5.9	12
51	Death following acute poisoning by moclobemide. <i>Forensic Science International</i> , <b>2004</b> , 140, 101-7	2.6	11
50	Multiplex quantitative imaging of human myocardial infarction by mass spectrometry-immunohistochemistry. <i>International Journal of Legal Medicine</i> , <b>2018</b> , 132, 1675-1684	3.1	10
49	Systemic Metal Ion Levels in Patients With Modular-Neck Stems: A Prospective Cohort Study. <i>Journal of Arthroplasty</i> , <b>2016</b> , 31, 1750-5	4.4	9
48	Imaging mass spectrometry of elements in forensic cases by LA-ICP-MS. <i>International Journal of Legal Medicine</i> , <b>2017</b> , 131, 497-500	3.1	9
47	An unusual case of accidental poisoning: fatal methadone inhalation. <i>Journal of Forensic Sciences</i> , <b>2011</b> , 56, 1072-5	1.8	9
46	Analysis of residual content of used syringes collected from low threshold facilities in Lausanne, Switzerland. <i>Forensic Science International</i> , <b>2016</b> , 266, 534-540	2.6	8
45	Drug residues in used syringes in Switzerland: A comparative study. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 874-879	3.5	8
44	Fatal intravenous injection of potassium: Is postmortem biochemistry useful for the diagnosis?. <i>Forensic Science International</i> , <b>2017</b> , 274, 27-32	2.6	7
43	Acute aortic dissection with carotid and coronary malperfusion: from imaging to pathology. <i>American Journal of Forensic Medicine and Pathology</i> , <b>2014</b> , 35, 157-62	1	7
42	Accuracy profile validation of a new analytical method for propane measurement using headspace-gas chromatography-mass spectrometry. <i>Journal of Analytical Toxicology</i> , <b>2014</b> , 38, 73-9	2.9	6
41	Ruptured pseudo-aneurysm of a femoral artery in a drug abuser revealed by post-mortem CT angiography. <i>International Journal of Legal Medicine</i> , <b>2013</b> , 127, 819-23	3.1	6
40	Non-invasive detection of cocaine dissolved in wine bottles by (1) H magnetic resonance spectroscopy. <i>Drug Testing and Analysis</i> , <b>2011</b> , 3, 544-7	3.5	6
39	Do Objective Measures of Blood Alcohol Concentrations Make More Sense than Self-reports in Emergency Department Studies?. <i>Journal of Addiction Medicine</i> , <b>2008</b> , 2, 96-102	3.8	6
38	High-Throughput Qualitative and Quantitative Drug Checking by MALDI HRMS. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 695	5	6
37	Improving forensic investigation for polonium poisoning. <i>Lancet, The</i> , <b>2013</b> , 382, 1308	4.0	5
36	Endocan concentrations in postmortem serum, vitreous humor and urine in victims of lethal hypothermia. <i>Journal of Clinical Forensic and Legal Medicine</i> , <b>2017</b> , 50, 39-43	1.7	5

35	Volatile lipophilic substances management in case of fatal sniffing. <i>Journal of Clinical Forensic and Legal Medicine</i> , <b>2017</b> , 52, 35-39	1.7	5
34	Parallel Reaction Monitoring-Based Quantification of Cannabinoids in Whole Blood. <i>Journal of Analytical Toxicology</i> , <b>2020</b> , 44, 541-548	2.9	5
33	Postmortem serum protein growth arrest-specific 6 levels in sepsis-related deaths. <i>International Journal of Legal Medicine</i> , <b>2015</b> , 129, 1079-84	3.1	4
32	Quality assurance in road traffic analyses in Switzerland. <i>Forensic Science International</i> , <b>2010</b> , 198, 7-10	2.6	4
31	In situ metabolomic changes in rat hippocampus after acute cocaine administration. <i>International Journal of Mass Spectrometry</i> , <b>2019</b> , 437, 87-91	1.9	4
30	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> , <b>2021</b> , 11, 5657	4.9	4
29	Fatal hemorrhage following sacroiliac joint fusion surgery: A case report. <i>Legal Medicine</i> , <b>2017</b> , 26, 102-105	1.5	3
28	Pancreatic stone protein as a postmortem biochemical marker for the diagnosis of sepsis. <i>Legal Medicine</i> , <b>2015</b> , 17, 9-13	1.9	3
27	(210)Po poisoning as possible cause of death: forensic investigations and toxicological analysis of the remains of Yasser Arafat. <i>Forensic Science International</i> , <b>2016</b> , 259, 1-9	2.6	3
26	High-mobility group box-1 protein determination in postmortem samples. <i>Forensic Science International</i> , <b>2014</b> , 239, 103-6	2.6	3
25	Dual-energy CT behavior of heroin, cocaine, and typical adulterants. <i>Forensic Science, Medicine, and Pathology</i> , <b>2015</b> , 11, 20-8	1.5	3
24	Interpretation of lesions of the cardiac conduction system in cocaine-related fatalities. <i>Journal of Clinical Forensic and Legal Medicine</i> , <b>2007</b> , 14, 416-22	1.7	3
23	Zopiclone intoxication: value of electroencephalography in the emergency room. <i>European Neurology</i> , <b>2007</b> , 58, 246-7	2.1	3
22	Lārgon : utilisations, toxicit�et strat�gie analytique en toxicologie m�dicol�gale. <i>Toxicologie Analytique Et Clinique</i> , <b>2012</b> , 24, 185-192	0.4	3
21	Biomarkers of Cerebral Damage in Fatal Hypothermia: Preliminary Results. <i>American Journal of Forensic Medicine and Pathology</i> , <b>2019</b> , 40, 242-245	1	3
20	Summary statistics for drugs and alcohol concentration recovered in post-mortem femoral blood in Western Switzerland. <i>Forensic Science International</i> , <b>2021</b> , 325, 110883	2.6	3
19	Disturbances of glucose metabolism associated with the use of psychotropic drugs: A post-mortem evaluation. <i>Forensic Science International</i> , <b>2017</b> , 274, 33-37	2.6	2
18	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> , <b>2018</b> , 58, 14-19	1.7	2

17	Early repolarization, acute emotional stress and sudden death. <i>Journal of Forensic Sciences</i> , <b>2014</b> , 59, 836-40	1.8	2
16	Unconsciousness and sedation as precipitating factors of diabetic ketoacidosis. <i>Journal of Clinical Forensic and Legal Medicine</i> , <b>2013</b> , 20, 830-5	1.7	2
15	Measurement of apolipoprotein M in sepsis-related deaths. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2015</b> , 53, e93-6	5.9	2
14	Toxic substances in blood: an analysis of current recommendations under a Bayesian (decision) approach. <i>Law, Probability and Risk</i> , <b>2014</b> , 13, 27-45	0.6	2
13	Validation of methane measurement using headspace-GC-MS and quantification by a stable isotope-labeled internal standard generated in situ. <i>Journal of Separation Science</i> , <b>2013</b> , 36, 1967-72	3.4	2
12	The role of cytochrome P450 enzyme genetic variants in cannabis hyperemesis syndrome-A case report. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2021</b> , 129, 82-85	3.1	2
11	Ambulatory Blood Pressure in Relation to Plasma and Urinary Manganese. <i>Hypertension</i> , <b>2020</b> , 75, 1133-1139	1.5	2
10	Alcoholic Ketoacidosis as the cause of death: Thomsen and co-workers came first. <i>Alcohol and Alcoholism</i> , <b>2014</b> , 49, 687-8	3.5	1
9	Xenon: From medical applications to doping uses. <i>Toxicologie Analytique Et Clinique</i> , <b>2017</b> , 29, 309-319	0.4	1
8	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> , <b>2021</b> , 329, 111081	2.6	1
7	Driving Under the Influence of Drugs: A Single Parallel Monitoring-Based Quantification Approach on Whole Blood. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 626	5	1
6	Metabolomic alteration induced by psychotropic drugs: Short-term metabolite profile as a predictor of weight gain evolution. <i>Clinical and Translational Science</i> , <b>2021</b> , 14, 2544-2555	4.9	1
5	Significant postmortem diffusion of ethanol: A case report. <i>Forensic Science International</i> , <b>2021</b> , 328, 111046	2.6	0
4	Cadmium acute exposure induces metabolic and transcriptomic perturbations in human mature adipocytes.. <i>Toxicology</i> , <b>2022</b> , 153153	4.4	0
3	Intoxications létales à l'émisulpride en Suisse romande depuis 2005 : concentrations sanguines thérapeutiques, toxiques et létales. <i>Toxicologie Analytique Et Clinique</i> , <b>2014</b> , 26, 61-67	0.4	
2	Omics in Forensic Toxicology a Bridge Towards Forensic Medicine <b>2017</b> , 475-485		
1	Évaluation post-mortem du statut nutritionnel chez un nourrisson par dosage des marqueurs biochimiques dans le sang et le sérum et criblage des oligo-éléments dans les cheveux. <i>Toxicologie Analytique Et Clinique</i> , <b>2020</b> , 32, 217-222	0.4	