Hajime Miyaguchi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7069940/publications.pdf

Version: 2024-02-01

361413 454955 1,175 73 20 30 citations g-index h-index papers 73 73 73 1126 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Analysis of degradation products of nerve agents in biological fluids by ion chromatography–tandem mass spectrometry. Forensic Toxicology, 2023, 41, 71-80.	2.4	1
2	Distribution profiles of diphenhydramine and lidocaine in scalp, axillary, and pubic hairs measured by micro-segmental hair analysis: good indicator for discrimination between administration and external contamination of the drugs. Forensic Toxicology, 2022, 40, 64-74.	2.4	6
3	Micro-segmental hair analysis: detailed procedures and applications in forensic toxicology. Forensic Toxicology, 2022, 40, 215-233.	2.4	12
4	Dimethoxytriadinylation LC–MS/MS of Novichok A-Series Degradation Products in Human Urine. Analytical Chemistry, 2022, 94, 4658-4665.	6.5	8
5	A Screening Method for Cyanide in Blood by Dimethoxytriazinyl Derivatization-GC/MS. Journal of Chromatographic Science, 2021, 59, 1-6.	1.4	7
6	Simple colorimetric screening of the nerve agent VX using gold nanoparticles and a hand-powered extraction device. Sensors and Actuators B: Chemical, 2021, 327, 128902.	7.8	17
7	Toxicological analysis of satratoxins, the main toxins in the mushroom Trichoderma cornu-damae, in human serum and mushroom samples by liquid chromatography–tandem mass spectrometry. Forensic Toxicology, 2021, 39, 101-113.	2.4	1
8	Development of the "selective concentration―analytical method for drug-containing hair regions based on micro-segmental analysis to identify a trace amount of drug in hair: hair analysis following single-dose ingestion of midazolam. Forensic Toxicology, 2021, 39, 156-166.	2.4	7
9	Qualitative analysis of zolpidem and its metabolites M-1 to M-4 in human blood and urine using liquid chromatography–tandem mass spectrometry. Forensic Toxicology, 2021, 39, 134-145.	2.4	2
10	Experimental study for adsorption and photocatalytic reaction of ethyl methylphosphonate molecule as organophosphorus compound adsorbed at surface of titanium dioxide under UV irradiation in ambient condition. Research on Chemical Intermediates, 2021, 47, 1563-1579.	2.7	1
11	Development of an improved method to estimate the days of continuous drug ingestion, based on the microâ€segmental hair analysis. Drug Testing and Analysis, 2021, 13, 1295-1304.	2.6	8
12	Paper-Based Analytical Device for the On-Site Detection of Nerve Agents. ACS Applied Bio Materials, 2021, 4, 6512-6518.	4.6	12
13	Theoretical evaluation of the hydrolysis of conventional nerve agents and novichok agents. Chemical Physics Letters, 2021, 785, 139116.	2.6	12
14	Assembly of Glycochips with Mammalian GSLs Mimetics toward the On-site Detection of Biological Toxins. ACS Omega, 2021, 6, 32597-32606.	3 . 5	1
15	Evaluation of the possibility of binary synthesis of VX by theoretical calculation. Chemical Physics Letters, 2020, 756, 137808.	2.6	1
16	Development of a handy microdiffusion device using two plastic test tubes for accurately quantifying cyanide in blood. Forensic Toxicology, 2020, 38, 542-546.	2.4	2
17	Analysis of nitrogen mustard degradation products via post-pentafluorobenzoylation liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2020, 1625, 461306.	3.7	10
18	Measurement of three-dimensional distributions of drugs in nails using liquid chromatography/tandem mass spectrometry after micro-segmentation to elucidate drug uptake routes. Analytica Chimica Acta, 2020, 1108, 89-97.	5.4	9

#	Article	IF	CITATIONS
19	Analysis of degradation products of nitrogen mustards via hydrophilic interaction liquid chromatography–tandem mass spectrometry. Journal of Chromatography A, 2019, 1602, 199-205.	3.7	14
20	Strong evidence of drug-facilitated crimes by hair analysis using LC–MS/MS after micro-segmentation. Forensic Toxicology, 2019, 37, 480-487.	2.4	22
21	Estimation of day of death using micro-segmental hair analysis based on drug use history: a case of lidocaine use as a marker. International Journal of Legal Medicine, 2019, 133, 117-122.	2.2	12
22	Micro-segmental hair analysis for proving drug-facilitated crimes: Evidence that a victim ingested a sleeping aid, diphenhydramine, on a specific day. Forensic Science International, 2018, 288, 23-28.	2.2	29
23	Different localizations of drugs simultaneously administered in a strand of hair by microâ€segmental analysis. Drug Testing and Analysis, 2018, 10, 750-760.	2.6	19
24	Analysis of toxic Veratrum alkaloids in plant samples from an accidental poisoning case. Forensic Toxicology, 2018, 36, 200-210.	2.4	11
25	Accurate Estimation of Drug Intake Day by Microsegmental Analysis of a Strand of Hair by Use of Internal Temporal Markers. journal of applied laboratory medicine, The, 2018, 3, 37-47.	1.3	16
26	Analysis of degradation products of nerve agents via post-pentafluorobenzylation liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2018, 1577, 31-37.	3.7	14
27	Timeâ€course measurements of drug concentrations in hair and toenails after single administrations of pharmaceutical products. Drug Testing and Analysis, 2017, 9, 571-577.	2.6	25
28	Enantioselective determination of (R)-zopiclone and (S)-zopiclone (eszopiclone) in human hair by micropulverized extraction and chiral liquid chromatography/high resolution mass spectrometry. Journal of Chromatography A, 2017, 1519, 55-63.	3.7	9
29	Effectiveness of saliva and fingerprints as alternative specimens to urine and blood in forensic drug testing. Drug Testing and Analysis, 2016, 8, 644-651.	2.6	25
30	Three-step drug extraction from a single sub-millimeter segment of hair and nail to determine the exact day of drug intake. Analytica Chimica Acta, 2016, 948, 40-47.	5.4	33
31	Approaching over 10Â000â€fold sensitivity increase in chiral capillary electrophoresis: Cationâ€selective exhaustive injection and sweeping cyclodextrinâ€modified micellar electrokinetic chromatography. Electrophoresis, 2016, 37, 2970-2976.	2.4	19
32	Next-generation sequencing analysis of off-ladder alleles due to migration shift caused by sequence variation at D12S391 locus. Legal Medicine, 2016, 22, 62-67.	1.3	3
33	Improved Polymerase Chain Reaction-restriction Fragment Length Polymorphism Genotyping of Toxic Pufferfish by Liquid Chromatography/Mass Spectrometry. Journal of Visualized Experiments, 2016, , .	0.3	2
34	Micro-pulverized extraction pretreatment for highly sensitive analysis of 11-nor-9-carboxy-Δ ⁹ -tetrahydrocannabinol in hair by liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2015, 29, 2158-2166.	1.5	22
35	Comparison of sample preparation methods for zolpidem extraction from hair. Forensic Toxicology, 2015, 33, 159-164.	2.4	11
36	Genotyping of Toxic Pufferfish Based on Specific PCR-RFLP Products As Determined by Liquid Chromatography/Quadrupole-Orbitrap Hybrid Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2015, 63, 9363-9371.	5.2	3

#	Article	IF	Citations
37	Determination of sedative–hypnotics in human hair by micropulverized extraction and liquid chromatography/quadrupole-Orbitrap mass spectrometry. Analytical Methods, 2014, 6, 5777-5783.	2.7	6
38	Time-course measurements of drugs and metabolites transferred from fingertips after drug administration: usefulness of fingerprints for drug testing. Forensic Toxicology, 2014, 32, 235-242.	2.4	18
39	Utilization of matrix-assisted laser desorption/ionization imaging mass spectrometry to search for cannabis in herb mixtures. Analytical and Bioanalytical Chemistry, 2014, 406, 4789-4794.	3.7	7
40	Time-course measurements of caffeine and its metabolites extracted from fingertips after coffee intake: a preliminary study for the detection of drugs from fingerprints. Analytical and Bioanalytical Chemistry, 2013, 405, 3945-3952.	3.7	35
41	Identification and differentiation of methcathinone analogs by gas chromatographyâ€mass spectrometry. Drug Testing and Analysis, 2013, 5, 670-677.	2.6	17
42	Determination of zolpidem in human hair by micropulverized extraction based on the evaluation of relative extraction efficiency of seven psychoactive drugs from an incurred human hair specimen. Journal of Chromatography A, 2013, 1293, 28-35.	3.7	24
43	Distribution measurements of 3,4-methylenedioxymethamphetamine and its metabolites in organs by matrix-assisted laser desorption/ionization imaging mass spectrometry using an automatic matrix spraying system with an air brush and a turntable. Analytical and Bioanalytical Chemistry, 2012, 404, 1823-1830.	3.7	20
44	Interaction of 3,4â€Methylenedioxymethamphetamine and Methamphetamine During Metabolism by <i>In Vitro</i> Human Metabolic Enzymes and in Rats*. Journal of Forensic Sciences, 2012, 57, 1008-1013.	1.6	11
45	Profiling of seized methamphetamine putatively synthesized by reductive amination of 1-phenyl-2-propanone. Forensic Toxicology, 2012, 30, 70-75.	2.4	25
46	Rapid, simple, and highly sensitive analysis of drugs in biological samples using thin-layer chromatography coupled with matrix-assisted laser desorption/ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 402, 1257-1267.	3.7	27
47	Development of an automated and sensitive GC/MS system for the analysis of amphetamine-type stimulants in hair Japanese Journal of Forensic Science and Technology, 2012, 17, 27-34.	0.1	0
48	Determination of amphetamine-type stimulants, cocaine and ketamine in human hair by liquid chromatography/linear ion trap–Orbitrap hybrid mass spectrometry. Analyst, The, 2011, 136, 3503.	3.5	40
49	Synthesis and Identification of Urinary Metabolites of 4-lodo-2,5-dimethoxyphenethylamine. Journal of Forensic Sciences, 2011, 56, 1319-1323.	1.6	8
50	A model system for prediction of the in vivo metabolism of designer drugs using three-dimensional culture of rat and human hepatocytes. Forensic Toxicology, 2011, 29, 142-151.	2.4	3
51	Distribution measurement of amphetamineâ€type stimulants in organs using micropulverized extraction and liquid chromatography/tandem mass spectrometry to complement drug distribution using mass spectrometry imaging. Rapid Communications in Mass Spectrometry, 2011, 25, 2397-2406.	1.5	8
52	Urinary excretion profiles of N-hydroxy-3,4-methylenedioxymethamphetamine in rats. Xenobiotica, 2011, 41, 578-584.	1.1	0
53	Homogeneity and stability of a candidate certified reference material for the determination of methamphetamine and amphetamine in hair. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 1037-1041.	2.8	12
54	Homicide involving Aconitum tuberous root: LC-MS-MS analysis of Aconitum alkaloids and their hydrolysates in formalin-fixed tissues. Forensic Toxicology, 2010, 28, 47-51.	2.4	9

#	Article	IF	CITATIONS
55	Increase in split ratio enables detection of underivatized N-hydroxy-3,4-methylenedioxymethamphetamine and N-hydroxy-3,4-methylenedioxyamphetamine by capillary GC-MS. Forensic Toxicology, 2010, 28, 55-57.	2.4	3
56	Seized methamphetamine samples with unique profiles of stable nitrogen isotopic composition documented by stable isotope ratio mass spectrometry. Forensic Toxicology, 2010, 28, 119-123.	2.4	12
57	Determination of 4-Hydroxy-3-methoxymethamphetamine as a Metabolite of Methamphetamine in Rats and Human Liver Microsomes Using Gas Chromatography-Mass Spectrometry and Liquid Chromatography-Tandem Mass Spectrometry. Journal of Analytical Toxicology, 2009, 33, 266-271.	2.8	7
58	Thermal desorption counterâ€flow introduction atmospheric pressure chemical ionization for direct mass spectrometry of ecstasy tablets. Journal of Mass Spectrometry, 2009, 44, 1300-1307.	1.6	14
59	Rapid analysis of methamphetamine in hair by micropulverized extraction and microchip-based competitive ELISA. Forensic Science International, 2009, 184, 1-5.	2.2	52
60	Rapid identification and quantification of methamphetamine and amphetamine in hair by gas chromatography/mass spectrometry coupled with micropulverized extraction, aqueous acetylation and microextraction by packed sorbent. Journal of Chromatography A, 2009, 1216, 4063-4070.	3.7	87
61	Simple and simultaneous detection of methamphetamine and dimethyl sulfone in crystalline methamphetamine seizures by fast gas chromatography. Forensic Toxicology, 2008, 26, 19-22.	2.4	29
62	Analysis of amphetamine-type stimulants and their metabolites in plasma, urine and bile by liquid chromatography with a strong cation-exchange column-tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 867, 78-83.	2.3	20
63	Development of an on-site screening system for amphetamine-type stimulant tablets with a portable attenuated total reflection Fourier transform infrared spectrometer. Analytica Chimica Acta, 2008, 608, 95-103.	5.4	20
64	A Fatal Case of Suspected Anaphylaxis with Cefoperazone and Sulbactam: LCâ€MS Analysis. Journal of Forensic Sciences, 2008, 53, 226-231.	1.6	15
65	ãf•ã,SãfŽãfã,¢ã,,ãf³ç³»è−¬ç‰©æ',å⊷者尿ä¸ã®ã,∙ãf¢ãf³å応陽性代è¬ç‰©ã®åŒå®š. Japanese Jou	urnaolof Fo	ren s ic Science
66	Development of a micropulverized extraction method for rapid toxicological analysis of methamphetamine in hair. Journal of Chromatography A, 2007, 1163, 43-48.	3.7	55
67	Determination of muscimol and ibotenic acid in Amanita mushrooms by high-performance liquid chromatography-tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 852, 430-435.	2.3	40
68	In Vivo Metabolism of 5-Methoxy-N,N-diisopropyltryptamine in Rat. Journal of Health Science, 2006, 52, 425-430.	0.9	18
69	Microchip-based liquid–liquid extraction for gas-chromatography analysis of amphetamine-type stimulants in urine. Journal of Chromatography A, 2006, 1129, 105-110.	3.7	52
70	A method for screening for various sedative-hypnotics in serum by liquid chromatography/single quadrupole mass spectrometry. Forensic Science International, 2006, 157, 57-70.	2.2	48
71	Urinary Excretion Profiles of Two Major Triazolam Metabolites α-Hydroxytriazolam and 4-Hydroxytnazolam. Journal of Analytical Toxicology, 2005, 29, 240-243.	2.8	12
72	Analysis of Benzylpiperazine-like Compounds. Japanese Journal of Science and Technology for Identification, 2004, 9, 165-184.	0.2	9

#	Article	IF	CITATIONS
73	Synthesis Of N-Labeled Peptidyl AMP. Nucleosides, Nucleotides and Nucleic Acids, 2000, 19, 1993-2003.	1.1	1