

Hajime Miyaguchi

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

1,175
citations

361413

20
h-index

454955

30
g-index

73
all docs

73
docs citations

73
times ranked

1126
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of degradation products of nerve agents in biological fluids by ion chromatography-tandem mass spectrometry. <i>Forensic Toxicology</i> , 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. <i>Forensic Toxicology</i> , 2022, 40, 64-74.	2.4	6
3	Micro-segmental hair analysis: detailed procedures and applications in forensic toxicology. <i>Forensic Toxicology</i> , 2022, 40, 215-233.	2.4	12
4	Dimethoxytriadinylation LC-MS/MS of Novichok A-Series Degradation Products in Human Urine. <i>Analytical Chemistry</i> , 2022, 94, 4658-4665.	6.5	8
5	A Screening Method for Cyanide in Blood by Dimethoxytriazinyl Derivatization-GC/MS. <i>Journal of Chromatographic Science</i> , 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. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128902.	7.8	17
7	Toxicological analysis of satratoxins, the main toxins in the mushroom <i>Trichoderma cornu-damae</i> , in human serum and mushroom samples by liquid chromatography-tandem mass spectrometry. <i>Forensic Toxicology</i> , 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. <i>Forensic Toxicology</i> , 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. <i>Forensic Toxicology</i> , 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. <i>Research on Chemical Intermediates</i> , 2021, 47, 1563-1579.	2.7	1
11	Development of an improved method to estimate the days of continuous drug ingestion, based on the micro-segmental hair analysis. <i>Drug Testing and Analysis</i> , 2021, 13, 1295-1304.	2.6	8
12	Paper-Based Analytical Device for the On-Site Detection of Nerve Agents. <i>ACS Applied Bio Materials</i> , 2021, 4, 6512-6518.	4.6	12
13	Theoretical evaluation of the hydrolysis of conventional nerve agents and novichok agents. <i>Chemical Physics Letters</i> , 2021, 785, 139116.	2.6	12
14	Assembly of Glycochips with Mammalian GSLs Mimetics toward the On-site Detection of Biological Toxins. <i>ACS Omega</i> , 2021, 6, 32597-32606.	3.5	1
15	Evaluation of the possibility of binary synthesis of VX by theoretical calculation. <i>Chemical Physics Letters</i> , 2020, 756, 137808.	2.6	1
16	Development of a handy microdiffusion device using two plastic test tubes for accurately quantifying cyanide in blood. <i>Forensic Toxicology</i> , 2020, 38, 542-546.	2.4	2
17	Analysis of nitrogen mustard degradation products via post-pentafluorobenzoylation liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 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. <i>Analytica Chimica Acta</i> , 2020, 1108, 89-97.	5.4	9

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19	Analysis of degradation products of nitrogen mustards via hydrophilic interaction liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1602, 199-205.	3.7	14
20	Strong evidence of drug-facilitated crimes by hair analysis using LC-MS/MS after micro-segmentation. <i>Forensic Toxicology</i> , 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. <i>International Journal of Legal Medicine</i> , 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. <i>Forensic Science International</i> , 2018, 288, 23-28.	2.2	29
23	Different localizations of drugs simultaneously administered in a strand of hair by micro-segmental analysis. <i>Drug Testing and Analysis</i> , 2018, 10, 750-760.	2.6	19
24	Analysis of toxic Veratrum alkaloids in plant samples from an accidental poisoning case. <i>Forensic Toxicology</i> , 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. <i>Journal of applied laboratory medicine</i> , The, 2018, 3, 37-47.	1.3	16
26	Analysis of degradation products of nerve agents via post-pentafluorobenzoylation liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1577, 31-37.	3.7	14
27	Time-course measurements of drug concentrations in hair and toenails after single administrations of pharmaceutical products. <i>Drug Testing and Analysis</i> , 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. <i>Journal of Chromatography A</i> , 2017, 1519, 55-63.	3.7	9
29	Effectiveness of saliva and fingerprints as alternative specimens to urine and blood in forensic drug testing. <i>Drug Testing and Analysis</i> , 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. <i>Analytica Chimica Acta</i> , 2016, 948, 40-47.	5.4	33
31	Approaching over 10 ⁴ -fold sensitivity increase in chiral capillary electrophoresis: Cation-selective exhaustive injection and sweeping cyclodextrin-modified micellar electrokinetic chromatography. <i>Electrophoresis</i> , 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. <i>Legal Medicine</i> , 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. <i>Journal of Visualized Experiments</i> , 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. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 2158-2166.	1.5	22
35	Comparison of sample preparation methods for zolpidem extraction from hair. <i>Forensic Toxicology</i> , 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. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9363-9371.	5.2	3

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37	Determination of sedative/hypnotics in human hair by micropulverized extraction and liquid chromatography/quadrupole-Orbitrap mass spectrometry. <i>Analytical Methods</i> , 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. <i>Forensic Toxicology</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3945-3952.	3.7	35
41	Identification and differentiation of methcathinone analogs by gas chromatography-mass spectrometry. <i>Drug Testing and Analysis</i> , 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. <i>Journal of Chromatography A</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1823-1830.	3.7	20
44	Interaction of 3,4-Methylenedioxymethamphetamine and Methamphetamine During Metabolism by <i>In Vitro</i> Human Metabolic Enzymes and in Rats*. <i>Journal of Forensic Sciences</i> , 2012, 57, 1008-1013.	1.6	11
45	Profiling of seized methamphetamine putatively synthesized by reductive amination of 1-phenyl-2-propanone. <i>Forensic Toxicology</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 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.. <i>Japanese Journal of Forensic Science and Technology</i> , 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. <i>Analyst, The</i> , 2011, 136, 3503.	3.5	40
49	Synthesis and Identification of Urinary Metabolites of 4-Iodo-2,5-dimethoxyphenethylamine. <i>Journal of Forensic Sciences</i> , 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. <i>Forensic Toxicology</i> , 2011, 29, 142-151.	2.4	3
51	Distribution measurement of amphetamine-type stimulants in organs using micropulverized extraction and liquid chromatography/tandem mass spectrometry to complement drug distribution using mass spectrometry imaging. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2397-2406.	1.5	8
52	Urinary excretion profiles of N-hydroxy-3,4-methylenedioxymethamphetamine in rats. <i>Xenobiotica</i> , 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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 1037-1041.	2.8	12
54	Homicide involving <i>Aconitum tuberosum</i> root: LC-MS-MS analysis of <i>Aconitum</i> alkaloids and their hydrolysates in formalin-fixed tissues. <i>Forensic Toxicology</i> , 2010, 28, 47-51.	2.4	9

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