

Kei Zaitso

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,773
citations

218677

26
h-index

289244

40
g-index

74
all docs

74
docs citations

74
times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolism of the recently encountered designer drug, methylone, in humans and rats. <i>Xenobiotica</i> , 2006, 36, 709-723.	1.1	97
2	Determination of the metabolites of the new designer drugs bk-MBDB and bk-MDEA in human urine. <i>Forensic Science International</i> , 2009, 188, 131-139.	2.2	78
3	MALDI-TOF and MALDI-FTICR imaging mass spectrometry of methamphetamine incorporated into hair. <i>Journal of Mass Spectrometry</i> , 2011, 46, 411-416.	1.6	74
4	Metabolic profiling of urine and blood plasma in rat models of drug addiction on the basis of morphine, methamphetamine, and cocaine-induced conditioned place preference. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1339-1354.	3.7	72
5	Time-Course Mass Spectrometry Imaging for Depicting Drug Incorporation into Hair. <i>Analytical Chemistry</i> , 2015, 87, 5476-5481.	6.5	72
6	Influences of methamphetamine-induced acute intoxication on urinary and plasma metabolic profiles in the rat. <i>Toxicology</i> , 2011, 287, 29-37.	4.2	71
7	Application of metabolomics to toxicology of drugs of abuse: A mini review of metabolomics approach to acute and chronic toxicity studies. <i>Drug Metabolism and Pharmacokinetics</i> , 2016, 31, 21-26.	2.2	61
8	Metabolism of the newly encountered designer drug α -pyrrolidinovalerophenone in humans: identification and quantitation of urinary metabolites. <i>Forensic Toxicology</i> , 2014, 32, 59-67.	2.4	57
9	Recently abused β -keto derivatives of 3,4-methylenedioxyphenylalkylamines: a review of their metabolisms and toxicological analysis. <i>Forensic Toxicology</i> , 2011, 29, 73-84.	2.4	55
10	Fatal intoxication by 5F-AADB and diphenidine: Detection, quantification, and investigation of their main metabolic pathways in humans by LC/MS/MS and LC/Q-TOFMS. <i>Drug Testing and Analysis</i> , 2018, 10, 284-293.	2.6	54
11	METABOLISM OF THE PSYCHOTOMIMETIC TRYPTAMINE DERIVATIVE 5-METHOXY-N,N-DIISOPROPYLTRYPTAMINE IN HUMANS: IDENTIFICATION AND QUANTIFICATION OF ITS URINARY METABOLITES. <i>Drug Metabolism and Disposition</i> , 2006, 34, 281-287.	3.3	49
12	Recently abused synthetic cathinones, α -pyrrolidinophenone derivatives: a review of their pharmacology, acute toxicity, and metabolism. <i>Forensic Toxicology</i> , 2014, 32, 1-8.	2.4	49
13	A preliminary study on postmortem interval estimation of suffocated rats by GC-MS/MS-based plasma metabolic profiling. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3659-3665.	3.7	45
14	Development of a simple one-pot extraction method for various drugs and metabolites of forensic interest in blood by modifying the QuEChERS method. <i>Forensic Science International</i> , 2013, 232, 40-45.	2.2	44
15	Urinary excretion and metabolism of the newly encountered designer drug 3,4-dimethylmethcathinone in humans. <i>Forensic Toxicology</i> , 2013, 31, 101-112.	2.4	38
16	Determination of a newly encountered designer drug α -methylmethoxyethylamphetamine and its metabolites in human urine and blood. <i>Forensic Science International</i> , 2008, 177, 77-84.	2.2	37
17	Discrimination and identification of the six aromatic positional isomers of trimethoxyamphetamine (TMA) by gas chromatography-mass spectrometry (GC-MS). <i>Journal of Mass Spectrometry</i> , 2008, 43, 528-534.	1.6	36
18	Urinary excretion of the main metabolites of 3,4-methylenedioxymethamphetamine (MDMA), including the sulfate and glucuronide of 4-hydroxy-3-methoxymethamphetamine (HMMA), in humans and rats. <i>Xenobiotica</i> , 2008, 38, 314-324.	1.1	36

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19	Intact Endogenous Metabolite Analysis of Mice Liver by Probe Electrospray Ionization/Triple Quadrupole Tandem Mass Spectrometry and Its Preliminary Application to in Vivo Real-Time Analysis. <i>Analytical Chemistry</i> , 2016, 88, 3556-3561.	6.5	35
20	Metabolism of the designer drug $\hat{1}\pm$ -pyrrolidinobutiophenone ($\hat{1}\pm$ -PBP) in humans: Identification and quantification of the phase I metabolites in urine. <i>Forensic Science International</i> , 2015, 249, 181-188.	2.2	32
21	Metabolome disruption of the rat cerebrum induced by the acute toxic effects of the synthetic cannabinoid MAM-2201. <i>Life Sciences</i> , 2015, 137, 49-55.	4.3	31
22	Single-hair analysis of zolpidem on the supposition of its single administration in drug-facilitated crimes. <i>Forensic Toxicology</i> , 2015, 33, 122-130.	2.4	31
23	High-resolution mass spectrometric determination of the synthetic cannabinoids MAM-2201, AM-2201, AM-2232, and their metabolites in postmortem plasma and urine by LC/Q-TOFMS. <i>International Journal of Legal Medicine</i> , 2015, 129, 1233-1245.	2.2	31
24	Discrimination and identification of regioisomeric $\hat{1}^2$ -keto analogues of 3,4-methylenedioxyamphetamines by gas chromatography-mass spectrometry. <i>Forensic Toxicology</i> , 2008, 26, 45-51.	2.4	30
25	Positional isomer differentiation of synthetic cannabinoid JWH-081 by GC-MS/MS. <i>Journal of Mass Spectrometry</i> , 2015, 50, 586-591.	1.6	30
26	Long-term stability of various drugs and metabolites in urine, and preventive measures against their decomposition with special attention to filtration sterilization. <i>Forensic Science International</i> , 2008, 174, 189-196.	2.2	29
27	Development of "Quick-DB forensic" A total workflow from QuEChERS-dSPE method to GC-MS/MS quantification of forensically relevant drugs and pesticides in whole blood. <i>Forensic Science International</i> , 2019, 300, 125-135.	2.2	29
28	A Possible Role of Chenodeoxycholic Acid and Glycine-Conjugated Bile Acids in Fibrotic Steatohepatitis in a Dietary Rat Model. <i>Digestive Diseases and Sciences</i> , 2014, 59, 1490-1501.	2.3	28
29	In Vivo Real-Time Monitoring System Using Probe Electrospray Ionization/Tandem Mass Spectrometry for Metabolites in Mouse Brain. <i>Analytical Chemistry</i> , 2018, 90, 4695-4701.	6.5	27
30	Development of a two-step injector for GC-MS with on-column derivatization, and its application to the determination of amphetamine-type stimulants (ATS) in biological specimens. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 865, 25-32.	2.3	26
31	Cross-reactivities of various phenethylamine-type designer drugs to immunoassays for amphetamines, with special attention to the evaluation of the one-step urine drug test Instant-View [®] , \hat{c} , and the Emit [®] assays for use in drug enforcement. <i>Forensic Science International</i> , 2012, 217, 174-181.	2.2	26
32	Mass spectrometric differentiation of the isomers of mono-methoxyethylamphetamines and mono-methoxydimethylamphetamines by GC-MS-MS. <i>Forensic Toxicology</i> , 2013, 31, 292-300.	2.4	26
33	Urinary excretion and metabolism of the $\hat{1}\pm$ -pyrrolidinophenone designer drug 1-phenyl-2-(pyrrolidin-1-yl)octan-1-one (PV9) in humans. <i>Forensic Toxicology</i> , 2015, 33, 279-294.	2.4	22
34	Intact metabolite profiling of mouse brain by probe electrospray ionization/triple quadrupole tandem mass spectrometry (PESI/MS/MS) and its potential use for local distribution analysis of the brain. <i>Analytica Chimica Acta</i> , 2017, 983, 160-165.	5.4	22
35	Structural characterization of cathinone-type designer drugs by EI mass spectrometry. <i>Japanese Journal of Forensic Science and Technology</i> , 2014, 19, 77-89.	0.1	18
36	High-throughput determination of valproate in human samples by modified QuEChERS extraction and GC-MS/MS. <i>Legal Medicine</i> , 2018, 31, 66-73.	1.3	18

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37	Conjugates of p-hydroxymethamphetamine and 4-hydroxy-3-methoxymethamphetamine in blood obtained from methamphetamine and 3,4-methylenedioxyamphetamine users: analysis by LC-MS-MS. <i>Forensic Toxicology</i> , 2008, 26, 58-65.	2.4	17
38	Metabolism and Toxicologic Analysis of Tryptamine-Derived Drugs of Abuse. <i>Therapeutic Drug Monitoring</i> , 2010, 32, 328-331.	2.0	17
39	Simultaneous enantiomeric determination of MDMA and its phase I and phase II metabolites in urine by liquid chromatography-tandem mass spectrometry with chiral derivatization. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2427-2435.	3.7	16
40	Simultaneous Analysis of New Designer Drug, Methylone, and Its Metabolites in Urine by Gas Chromatography-Mass Spectrometry and Liquid Chromatography-Electrospray Ionization Mass Spectrometry. <i>Japanese Journal of Forensic Science and Technology</i> , 2007, 12, 97-106.	0.1	15
41	Metabolism of $\hat{1}\pm$ -PHP and $\hat{1}\pm$ -PHPP in humans and the effects of alkyl chain lengths on the metabolism of $\hat{1}\pm$ -pyrrolidinophenone-type designer drugs. <i>Forensic Toxicology</i> , 2018, 36, 486-497.	2.4	14
42	RECIQ: A Rapid and Easy Method for Determining Cyanide Intoxication by Cyanide and 2-Aminothiazoline-4-carboxylic Acid Quantification in the Human Blood Using Probe Electrospray Ionization Tandem Mass Spectrometry. <i>ACS Omega</i> , 2020, 5, 23351-23357.	3.5	13
43	Identification of N,N-bis(1-pentylindol-3-yl-carboxy)naphthylamine (BiPICANA) found in an herbal blend product in the Tokyo metropolitan area and its cannabimimetic effects evaluated by in vitro $[35S]GTP\hat{1}^3S$ binding assays. <i>Forensic Toxicology</i> , 2015, 33, 84-92.	2.4	12
44	Regioisomeric differentiation of the alkyl-substituted synthetic cannabinoids JWH-122 and JWH-210 by GC-EL-MS/MS. <i>Forensic Toxicology</i> , 2016, 34, 304-315.	2.4	12
45	PiTMaP: A New Analytical Platform for High-Throughput Direct Metabolome Analysis by Probe Electrospray Ionization/Tandem Mass Spectrometry Using an R Software-Based Data Pipeline. <i>Analytical Chemistry</i> , 2020, 92, 8514-8522.	6.5	12
46	High-throughput analysis of ramelteon, agomelatine, and melatonin in human plasma by ultra-performance liquid chromatography-tandem mass spectrometry. <i>Forensic Toxicology</i> , 2014, 32, 126-131.	2.4	10
47	Development and application of a forensic toxicological library for identification of 56 natural toxic substances by liquid chromatography-quadrupole time-of-flight mass spectrometry. <i>Forensic Toxicology</i> , 2020, 38, 232-242.	2.4	10
48	Simple and sensitive determination of $\hat{1}\pm$ - and $\hat{1}^2$ -amanitin by liquid chromatography-quadrupole time-of-flight mass spectrometry. <i>Forensic Toxicology</i> , 2014, 32, 342-346.	2.4	9
49	Metabolome analysis of the serotonin syndrome rat model: Abnormal muscular contraction is related to metabolic alterations and hyper-thermogenesis. <i>Life Sciences</i> , 2018, 207, 550-561.	4.3	9
50	Optimal inter-batch normalization method for GC/MS/MS-based targeted metabolomics with special attention to centrifugal concentration. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6983-6994.	3.7	9
51	Development of a mass spectrometric hydroxyl-position determination method for the hydroxyindole metabolites of JWH-18 by GC-MS/MS. <i>Journal of Mass Spectrometry</i> , 2016, 51, 350-357.	1.6	8
52	A preliminary study of rapid-fire high-throughput metabolite analysis using nano-flow injection/Q-TOFMS. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4127-4134.	3.7	8
53	A highly sensitive quantification method for 12 plant toxins in human serum using liquid chromatography tandem mass spectrometry with a quick solid-phase extraction technique. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 192, 113676.	2.8	8
54	Metabolism of Synthetic Cathinones. <i>Current Topics in Neurotoxicity</i> , 2018, , 71-96.	0.4	7

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55	Rapid quantification of extracellular neurotransmitters in mouse brain by PESI/MS/MS and longitudinal data analysis using the R and Stan-based Bayesian state-space model. <i>Talanta</i> , 2021, 234, 122620.	5.5	6
56	Urinary Excretion Profiles of 5-Methoxy-N,N-diisopropyltryptamine and Its Relevant Metabolites in Humans. <i>Journal of Health Science</i> , 2007, 53, 585-590.	0.9	4
57	Simultaneous analysis of six novel hallucinogenic (tetrahydrobenzodifuranyl)aminoalkanes (FLYs) and (benzodifuranyl)aminoalkanes (DragonFLYs) by GC-MS, LC-MS, and LC-MS-MS. <i>Forensic Toxicology</i> , 2010, 28, 9-18.	2.4	4
58	Introduction to ambient ionization mass spectrometry. , 2020, , 1-32.		4
59	One-Pot Extraction and Quantification Method for Bile Acids in the Rat Liver by Capillary Liquid Chromatography Tandem Mass Spectrometry. <i>ACS Omega</i> , 2021, 6, 8588-8597.	3.5	4
60	Metabolomics and Data-Driven Bioinformatics Revealed Key Maternal Metabolites Related to Fetal Lethality via Di(2-ethylhexyl)phthalate Exposure in Pregnant Mice. <i>ACS Omega</i> , 2022, 7, 23717-23726.	3.5	4
61	Comprehensive Analysis and Structural Estimation of Synthetic Cathinones Using GC-MS/MS. <i>Japanese Journal of Forensic Science and Technology</i> , 2017, 22, 109-121.	0.1	3
62	Metabolism and Urinary Excretion of N-Hydroxy-3,4-methylenedioxyamphetamine, a Recently Banned Narcotic in Japan. <i>Japanese Journal of Forensic Science and Technology</i> , 2010, 15, 15-23.	0.1	3
63	Identification and quantitation of mifepristone and its N-demethyl metabolite in the plasma of an aborted fetus by liquid chromatography-quadrupole-time-of-flight-mass spectrometry (LC-Q-TOFMS) and ultra-performance liquid chromatography-tandem mass spectrometry (UPLC-MS-MS). <i>Forensic Toxicology</i> , 2015, 33, 409-412.	2.4	2
64	Simultaneous quantification of batrachotoxin and epibatidine in plasma by ultra-performance liquid chromatography/tandem mass spectrometry. <i>Legal Medicine</i> , 2017, 25, 1-5.	1.3	2
65	Particle Deposition in Evaporating Droplets of Polystyrene Latex Suspension on Hydrophilic and Hydrophobic Substrates. <i>Journal of Chemical Engineering of Japan</i> , 2004, 37, 657-661.	0.6	2
66	Synthesis of 3-Aroylindoles as Intermediates of Cannabimimetics and Elucidation of Their Physicochemical Properties. <i>Heterocycles</i> , 2018, 96, 910.	0.7	2
67	Development of an Aseptic Urine Collection Kit and its Evaluation in Preventing the Bacterial Decomposition of Nitrazepam. <i>Journal of Health Science</i> , 2006, 52, 724-729.	0.9	1
68	Urinary metabolites and metabolic pathways of three analogues of 1-phenyl-2-(pyrrolidine-1-yl)pentan-1-one (α -PVP) in humans. <i>Japanese Journal of Forensic Science and Technology</i> , 2017, 22, 77-90.	0.1	1
69	Probe electrospray ionization/mass spectrometry and its applications to the life sciences. , 2020, , 171-205.		1
70	Establishment of a Drug Screening System by LC/MS-Applications of a Liquid Chromatography/Mass Spectrometry System based on Retention Indices. <i>Japanese Journal of Forensic Science and Technology</i> , 2011, 16, 13-27.	0.1	0
71	Sensitive determination of picrotoxin by liquid chromatography-quadrupole time-of-flight mass spectrometry. <i>Legal Medicine</i> , 2016, 20, 8-11.	1.3	0