

Kei Zaitso

List of Publications by Year in descending order

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71
papers

1,773
citations

218677

26
h-index

289244

40
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74
all docs

74
docs citations

74
times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolomics and Data-Driven Bioinformatics Revealed Key Maternal Metabolites Related to Fetal Lethality via Di(2-ethylhexyl)phthalate Exposure in Pregnant Mice. ACS Omega, 2022, 7, 23717-23726.	3.5	4
2	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. Journal of Pharmaceutical and Biomedical Analysis, 2021, 192, 113676.	2.8	8
3	One-Pot Extraction and Quantification Method for Bile Acids in the Rat Liver by Capillary Liquid Chromatography Tandem Mass Spectrometry. ACS Omega, 2021, 6, 8588-8597.	3.5	4
4	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. Talanta, 2021, 234, 122620.	5.5	6
5	Introduction to ambient ionization mass spectrometry. , 2020, , 1-32.		4
6	Development and application of a forensic toxicological library for identification of 56 natural toxic substances by liquid chromatographyâ€“quadrupole time-of-flight mass spectrometry. Forensic Toxicology, 2020, 38, 232-242.	2.4	10
7	Probe electrospray ionization/mass spectrometry and its applications to the life sciences. , 2020, , 171-205.		1
8	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. ACS Omega, 2020, 5, 23351-23357.	3.5	13
9	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. Analytical Chemistry, 2020, 92, 8514-8522.	6.5	12
10	A preliminary study of rapid-fire high-throughput metabolite analysis using nano-flow injection/Q-TOFMS. Analytical and Bioanalytical Chemistry, 2020, 412, 4127-4134.	3.7	8
11	Optimal inter-batch normalization method for GC/MS/MS-based targeted metabolomics with special attention to centrifugal concentration. Analytical and Bioanalytical Chemistry, 2019, 411, 6983-6994.	3.7	9
12	Development of â€œQuick-DB forensicâ€“ A total workflow from QuEChERS-dSPE method to GCâ€“MS/MS quantification of forensically relevant drugs and pesticides in whole blood. Forensic Science International, 2019, 300, 125-135.	2.2	29
13	Metabolism of Synthetic Cathinones. Current Topics in Neurotoxicity, 2018, , 71-96.	0.4	7
14	High-throughput determination of valproate in human samples by modified QuEChERS extraction and GC-MS/MS. Legal Medicine, 2018, 31, 66-73.	1.3	18
15	In Vivo Real-Time Monitoring System Using Probe Electrospray Ionization/Tandem Mass Spectrometry for Metabolites in Mouse Brain. Analytical Chemistry, 2018, 90, 4695-4701.	6.5	27
16	Fatal intoxication by 5Fâ€“ADB and diphenidine: Detection, quantification, and investigation of their main metabolic pathways in humans by LC/MS/MS and LC/Qâ€“TOFMS. Drug Testing and Analysis, 2018, 10, 284-293.	2.6	54
17	Metabolome analysis of the serotonin syndrome rat model: Abnormal muscular contraction is related to metabolic alterations and hyper-thermogenesis. Life Sciences, 2018, 207, 550-561.	4.3	9
18	Metabolism of Î±-PHP and Î±-PHPP in humans and the effects of alkyl chain lengths on the metabolism of Î±-pyrrolidinophenone-type designer drugs. Forensic Toxicology, 2018, 36, 486-497.	2.4	14

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19	Synthesis of 3-Aroylindoles as Intermediates of Cannabimimetics and Elucidation of Their Physicochemical Properties. <i>Heterocycles</i> , 2018, 96, 910.	0.7	2
20	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
21	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
22	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
23	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
24	Development of a mass spectrometric hydroxyl position determination method for the hydroxyindole metabolites of JWH-018 by GC-MS/MS. <i>Journal of Mass Spectrometry</i> , 2016, 51, 350-357.	1.6	8
25	Regioisomeric differentiation of the alkyl-substituted synthetic cannabinoids JWH-122 and JWH-210 by GC-ESI-MS/MS. <i>Forensic Toxicology</i> , 2016, 34, 304-315.	2.4	12
26	Sensitive determination of picrotoxin by liquid chromatography-quadrupole time-of-flight mass spectrometry. <i>Legal Medicine</i> , 2016, 20, 8-11.	1.3	0
27	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
28	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
29	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
30	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
31	Metabolism of the designer drug Δ^1 -pyrrolidinobutiophenone (Δ^1 -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
32	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
33	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
34	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
35	Time-Course Mass Spectrometry Imaging for Depicting Drug Incorporation into Hair. <i>Analytical Chemistry</i> , 2015, 87, 5476-5481.	6.5	72
36	Urinary excretion and metabolism of the Δ^1 -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

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37	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
38	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 γ S binding assays. <i>Forensic Toxicology</i> , 2015, 33, 84-92.	2.4	12
39	Metabolism of the newly encountered designer drug $\hat{1}$ -pyrrolidinovalerophenone in humans: identification and quantitation of urinary metabolites. <i>Forensic Toxicology</i> , 2014, 32, 59-67.	2.4	57
40	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
41	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
42	Recently abused synthetic cathinones, $\hat{1}$ -pyrrolidinophenone derivatives: a review of their pharmacology, acute toxicity, and metabolism. <i>Forensic Toxicology</i> , 2014, 32, 1-8.	2.4	49
43	Simple and sensitive determination of $\hat{1}$ - and $\hat{2}$ -amanitin by liquid chromatography-tandem mass spectrometry. <i>Forensic Toxicology</i> , 2014, 32, 342-346.	2.4	9
44	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
45	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
46	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
47	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
48	Mass spectrometric differentiation of the isomers of mono-methoxyethylamphetamines and mono-methoxydimethylamphetamines by GC-EI-MS-MS. <i>Forensic Toxicology</i> , 2013, 31, 292-300.	2.4	26
49	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
50	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{a} , \hat{c} , and the Emit \hat{A} \hat{r} assays for use in drug enforcement. <i>Forensic Science International</i> , 2012, 217, 174-181.	2.2	26
51	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
52	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
53	Recently abused $\hat{2}$ -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
54	MALDI-TOF and MALDI-TICR imaging mass spectrometry of methamphetamine incorporated into hair. <i>Journal of Mass Spectrometry</i> , 2011, 46, 411-416.	1.6	74

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55	Metabolism and Toxicologic Analysis of Tryptamine-Derived Drugs of Abuse. <i>Therapeutic Drug Monitoring</i> , 2010, 32, 328-331.	2.0	17
56	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
57	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
58	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
59	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
60	Determination of a newly encountered designer drug α -p-methoxyethylamphetamine and its metabolites in human urine and blood. <i>Forensic Science International</i> , 2008, 177, 77-84.	2.2	37
61	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
62	Discrimination and identification of regioisomeric β -keto analogues of 3,4-methylenedioxyamphetamines by gas chromatography-mass spectrometry. <i>Forensic Toxicology</i> , 2008, 26, 45-51.	2.4	30
63	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
64	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
65	Urinary excretion of the main metabolites of 3,4-methylenedioxyamphetamine (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
66	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
67	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
68	Metabolism of the recently encountered designer drug, methylone, in humans and rats. <i>Xenobiotica</i> , 2006, 36, 709-723.	1.1	97
69	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
70	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
71	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