

Heesun Chung

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.

80
papers

1,523
citations

23
h-index

34
g-index

83
ext. papers

1,684
ext. citations

3.1
avg, IF

4.35
L-index

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 80 | Validation of a simultaneous analytical method for the detection of 27 benzodiazepines and metabolites and zolpidem in hair using LC-MS/MS and its application to human and rat hair. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011 , 879, 878-86 | 3.2 | 66 |
| 79 | Evaluation of postmortem redistribution phenomena for commonly encountered drugs. <i>Forensic Science International</i> , 2012 , 219, 265-71 | 2.6 | 63 |
| 78 | Synthetic cannabinoids abused in South Korea: drug identifications by the National Forensic Service from 2009 to June 2013. <i>Forensic Toxicology</i> , 2014 , 32, 82-88 | 2.6 | 53 |
| 77 | Simultaneous analysis of synthetic cannabinoids in the materials seized during drug trafficking using GC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 3937-44 | 4.4 | 52 |
| 76 | Anthropogenic rare earth elements and their spatial distributions in the Han River, South Korea. <i>Chemosphere</i> , 2017 , 172, 155-165 | 8.4 | 48 |
| 75 | Distribution of methamphetamine and amphetamine in drug abusers' head hair. <i>Forensic Science International</i> , 2009 , 190, 16-8 | 2.6 | 44 |
| 74 | New psychoactive substances of natural origin: A brief review. <i>Journal of Food and Drug Analysis</i> , 2017 , 25, 461-471 | 7 | 43 |
| 73 | Monitoring of urinary metabolites of JWH-018 and JWH-073 in legal cases. <i>Forensic Science International</i> , 2013 , 231, 13-9 | 2.6 | 43 |
| 72 | Recent trends of drug abuse and drug-associated deaths in Korea. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1025, 458-64 | 6.5 | 39 |
| 71 | Trends of novel psychoactive substances (NPSs) and their fatal cases. <i>Forensic Toxicology</i> , 2016 , 34, 1-11 | 2.6 | 38 |
| 70 | Sensitive, rapid and validated gas chromatography/negative ion chemical ionization-mass spectrometry assay including derivatisation with a novel chiral agent for the enantioselective quantification of amphetamine-type stimulants in hair. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006 , 842, 98-105 | 3.2 | 38 |
| 69 | The study of metabolite-to-parent drug ratios of methamphetamine and methylenedioxymethamphetamine in hair. <i>Forensic Science International</i> , 2006 , 161, 124-9 | 2.6 | 36 |
| 68 | Correlation of methamphetamine results and concentrations between head, axillary, and pubic hair. <i>Forensic Science International</i> , 2005 , 147, 21-4 | 2.6 | 36 |
| 67 | Comparison of illegal drug use pattern in Taiwan and Korea from 2006 to 2014. <i>Substance Abuse Treatment, Prevention, and Policy</i> , 2016 , 11, 34 | 3.4 | 35 |
| 66 | Development of an LC-MS/MS method for the simultaneous determination of 25 benzodiazepines and zolpidem in oral fluid and its application to authentic samples from regular drug users. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 74, 213-22 | 3.5 | 35 |
| 65 | Simultaneous analysis of (9)-tetrahydrocannabinol and 11-nor-9-carboxy-tetrahydrocannabinol in hair without different sample preparation and derivatization by gas chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 55, 1096-103 | 3.5 | 33 |
| 64 | Hair analysis and self-report of methamphetamine use by methamphetamine dependent individuals. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011 , 879, 541-7 | 3.2 | 32 |

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| 63 | Simultaneous enantioselective determination of amphetamine and congeners in hair specimens by negative chemical ionization gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 825, 57-62 | 3.2 | 31 |
| 62 | Validation of the immunoanalysis microplate ELISA for the detection of methamphetamine in hair. <i>Journal of Analytical Toxicology</i> , 2006 , 30, 380-5 | 2.9 | 27 |
| 61 | Segmental hair analysis for 11-nor- Δ^9 -tetrahydrocannabinol-9-carboxylic acid and the patterns of cannabis use. <i>Journal of Analytical Toxicology</i> , 2012 , 36, 195-200 | 2.9 | 26 |
| 60 | Development of a reference material using methamphetamine abusers' hair samples for the determination of methamphetamine and amphetamine in hair. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 865, 33-9 | 3.2 | 25 |
| 59 | Immuno chromatographic analysis of hippuric acid in urine. <i>Journal of Analytical Toxicology</i> , 2007 , 31, 347-53 | 2.9 | 24 |
| 58 | A fatality due to injection of tiletamine and zolazepam. <i>Journal of Analytical Toxicology</i> , 2000 , 24, 305-8 | 2.9 | 24 |
| 57 | Simultaneous analysis of psychotropic phenylalkylamines in oral fluid by GC-MS with automated SPE and its application to legal cases. <i>Forensic Science International</i> , 2012 , 215, 81-7 | 2.6 | 23 |
| 56 | Species identification of Papaver by metabolite profiling. <i>Forensic Science International</i> , 2011 , 211, 51-60 | 2.6 | 23 |
| 55 | Analysis of cannabis in oral fluid specimens by GC-MS with automatic SPE. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2009 , 49, 242-6 | 2 | 22 |
| 54 | Deaths from recreational use of propofol in Korea. <i>Forensic Science International</i> , 2013 , 233, 333-7 | 2.6 | 21 |
| 53 | Thebaine in hair as a marker for chronic use of illegal opium poppy substances. <i>Forensic Science International</i> , 2011 , 204, 115-8 | 2.6 | 21 |
| 52 | Analysis of pubic hair as an alternative specimen to scalp hair: a contamination issue. <i>Forensic Science International</i> , 2011 , 206, 19-21 | 2.6 | 20 |
| 51 | Determination of illegally abused sedative-hypnotics in hair samples from drug offenders. <i>Journal of Analytical Toxicology</i> , 2011 , 35, 312-5 | 2.9 | 20 |
| 50 | Postmortem proteomics to discover biomarkers for forensic PMI estimation. <i>International Journal of Legal Medicine</i> , 2019 , 133, 899-908 | 3.1 | 19 |
| 49 | Estimation of the measurement uncertainty of methamphetamine and amphetamine in hair analysis. <i>Forensic Science International</i> , 2009 , 185, 59-66 | 2.6 | 19 |
| 48 | Effects of repeated hair washing and a single hair dyeing on concentrations of methamphetamine and amphetamine in human hairs. <i>Forensic Science International</i> , 2011 , 206, 77-80 | 2.6 | 18 |
| 47 | Preparation and application of a fortified hair reference material for the determination of methamphetamine and amphetamine. <i>Forensic Science International</i> , 2008 , 178, 207-12 | 2.6 | 18 |
| 46 | Quantification of MDMA and MDA in abusers' hair samples by semi-micro column HPLC with fluorescence detection. <i>Biomedical Chromatography</i> , 2006 , 20, 622-7 | 1.7 | 18 |

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| 45 | Simultaneous quantification of methamphetamine, cocaine, codeine, and metabolites in skin by positive chemical ionization gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006 , 833, 210-8 | 3.2 | 18 |
| 44 | Fatal zipeprol and dextromethorphan poisonings in Korea. <i>Journal of Analytical Toxicology</i> , 1996 , 20, 155-8 | 2.9 | 18 |
| 43 | The prevalence of MDMA/MDA in both hair and urine in drug users. <i>Forensic Science International</i> , 2005 , 152, 73-7 | 2.6 | 17 |
| 42 | Determination of glyphosate and its metabolite in emergency room in Korea. <i>Forensic Science International</i> , 2016 , 265, 41-6 | 2.6 | 16 |
| 41 | Illegal use patterns, side effects, and analytical methods of ketamine. <i>Forensic Science International</i> , 2016 , 268, 25-34 | 2.6 | 15 |
| 40 | Prevalence of new psychoactive substances in Northeast Asia from 2007 to 2015. <i>Forensic Science International</i> , 2017 , 272, 1-9 | 2.6 | 15 |
| 39 | Distribution of cyanide in heart blood, peripheral blood and gastric contents in 21 cyanide related fatalities. <i>Forensic Science International</i> , 2011 , 210, e12-5 | 2.6 | 15 |
| 38 | The dependence of the incorporation of methamphetamine into rat hair on dose, frequency of administration and hair pigmentation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 878, 2845-51 | 3.2 | 15 |
| 37 | A study on the concentrations of 11-nor-(Δ^9)-tetrahydrocannabinol-9-carboxylic acid (THCCOOH) in hair root and whole hair. <i>Forensic Science International</i> , 2011 , 210, 201-5 | 2.6 | 14 |
| 36 | Estimation of the measurement uncertainty by the bottom-up approach for the determination of methamphetamine and amphetamine in urine. <i>Journal of Analytical Toxicology</i> , 2010 , 34, 222-8 | 2.9 | 14 |
| 35 | Identification of N-ethyl- β -ethylphenethylamine in crystalline powder seized for suspected drug trafficking: a research chemical or a new designer drug?. <i>Forensic Toxicology</i> , 2013 , 31, 54-58 | 2.6 | 13 |
| 34 | Degradation of Kidney and Psoas Muscle Proteins as Indicators of Post-Mortem Interval in a Rat Model, with Use of Lateral Flow Technology. <i>PLoS ONE</i> , 2016 , 11, e0160557 | 3.7 | 13 |
| 33 | Urine Multi-drug Screening with GC-MS or LC-MS-MS Using SALLE-hybrid PPT/SPE. <i>Journal of Analytical Toxicology</i> , 2018 , 42, 617-624 | 2.9 | 13 |
| 32 | Genetic and chemical components analysis of <i>Papaver setigerum</i> naturalized in Korea. <i>Forensic Science International</i> , 2012 , 222, 387-93 | 2.6 | 11 |
| 31 | Cross-examination of liquid-liquid extraction (LLE) and solid-phase microextraction (SPME) methods for impurity profiling of methamphetamine. <i>Forensic Science International</i> , 2012 , 215, 175-8 | 2.6 | 11 |
| 30 | Establishment of the measurement uncertainty of 11-nor- Δ^9 -tetrahydrocannabinol-9-carboxylic acid in hair. <i>Forensic Science International</i> , 2011 , 206, e85-92 | 2.6 | 11 |
| 29 | PAP 9704, a Korean herbal medicine attenuates methamphetamine-induced hyperlocomotion via adenosine A2A receptor stimulation in mice. <i>Biological and Pharmaceutical Bulletin</i> , 2004 , 27, 906-9 | 2.3 | 11 |
| 28 | Analysis of hypoxanthine and lactic acid levels in vitreous humor for the estimation of post-mortem interval (PMI) using LC-MS/MS. <i>Forensic Science International</i> , 2019 , 299, 135-141 | 2.6 | 10 |

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| 27 | Gas phase fragmentation mechanisms of protonated testosterone as revealed by chemical dynamics simulations. <i>International Journal of Mass Spectrometry</i> , 2016 , 407, 40-50 | 1.9 | 10 |
| 26 | Detection of phentermine in hair samples from drug suspects. <i>Forensic Science International</i> , 2011 , 207, e5-7 | 2.6 | 10 |
| 25 | Simultaneous analysis of d-3-methoxy-17-methylmorphinan and l-3-methoxy-17-methylmorphinan by high pressure liquid chromatography equipped with PDA. <i>Forensic Science International</i> , 2006 , 161, 185-8 | 2.6 | 10 |
| 24 | Analysis of pharmaceutical impurities in the methamphetamine crystals seized for drug trafficking in Korea. <i>Forensic Science International</i> , 2013 , 227, 48-51 | 2.6 | 9 |
| 23 | Toxicology in international drug control-Prioritizing the most harmful, persistent and prevalent substances. <i>Forensic Science International</i> , 2017 , 274, 2-6 | 2.6 | 9 |
| 22 | A comparative study on the concentrations of 11-nor- Δ -tetrahydrocannabinol-9-carboxylic acid (THCCOOH) in head and pubic hair. <i>Forensic Science International</i> , 2011 , 212, 238-41 | 2.6 | 9 |
| 21 | 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, 1037-41 | 3.5 | 9 |
| 20 | Simultaneous quantification of opiates and effect of pigmentation on its deposition in hair. <i>Archives of Pharmacal Research</i> , 2010 , 33, 1805-11 | 6.1 | 7 |
| 19 | Postmortem distribution of zipeprol. <i>Journal of Analytical Toxicology</i> , 1994 , 18, 213-6 | 2.9 | 7 |
| 18 | Comparison of methamphetamine concentrations in oral fluid, urine and hair of twelve drug abusers using solid-phase extraction and GC-MS. <i>Toxicologie Analytique Et Clinique</i> , 2008 , 20, 145-153 | 0.4 | 7 |
| 17 | Feasibility of rat hair as a quality control material for the determination of methamphetamine and amphetamine in human hair. <i>Archives of Pharmacal Research</i> , 2011 , 34, 593-8 | 6.1 | 6 |
| 16 | Automated toxicological screening reports of modified Agilent MSD Chemstation combined with Microsoft Visual Basic application programs. <i>Forensic Science International</i> , 2010 , 199, 50-7 | 2.6 | 6 |
| 15 | Comparison of legislative management for new psychoactive substances control among Taiwan, South Korea, and Japan. <i>Kaohsiung Journal of Medical Sciences</i> , 2020 , 36, 135-142 | 2.4 | 5 |
| 14 | Debt Financing and Voluntary Adoption of the International Financial Reporting Standards: Evidence from Korean Unlisted Firms. <i>Emerging Markets Finance and Trade</i> , 2016 , 52, 39-51 | 3.5 | 4 |
| 13 | The 3D morphological stability of P3HT nanowire-based bulk heterojunction thin films against light irradiation quantitatively resolved by TEM tomography. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 2027-2033 | 1.3 | 4 |
| 12 | Patterns of drugs & poisons in southern area of South Korea in 2014. <i>Forensic Science International</i> , 2016 , 269, 50-55 | 2.6 | 4 |
| 11 | Spatial variability in hydrogen and oxygen isotopic composition of Korean Red Pine and its implication for tracing wood origin. <i>Environmental Earth Sciences</i> , 2015 , 73, 8045-8052 | 2.9 | 3 |
| 10 | Pessimism and pragmatism: agricultural trade liberalisation from the perspective of South Korean farmers. <i>Asia Pacific Viewpoint</i> , 1999 , 40, 271-284 | 1.4 | 3 |

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| 9 | Overview of Forensic Toxicology, Yesterday, Today and in the Future. <i>Current Pharmaceutical Design</i> , 2017 , 23, 5429-5436 | 3.3 | 3 |
| 8 | Challenges in forensic toxicology. <i>Australian Journal of Forensic Sciences</i> , 2019 , 51, 665-673 | 1.1 | 2 |
| 7 | Detection of drugs in 275 alcohol-positive blood samples of Korean drivers. <i>Forensic Science International</i> , 2016 , 265, 186-92 | 2.6 | 2 |
| 6 | Voluntary Adoption of the IFRS and Industry-Level Comparability: Evidence from Korean Unlisted Firms. <i>Emerging Markets Finance and Trade</i> , 2017 , 53, 1654-1666 | 3.5 | 2 |
| 5 | Importance of sildenafil analysis for drug screening of postmortem specimens: demonstration of five autopsy cases involving sildenafil. <i>Forensic Toxicology</i> , 2009 , 27, 107-109 | 2.6 | 2 |
| 4 | Development of visual peak selection system based on multi-ISs normalization algorithm to apply to methamphetamine impurity profiling. <i>Forensic Science International</i> , 2016 , 268, 116-122 | 2.6 | 2 |
| 3 | Determination of methamphetamine and its metabolite amphetamine in biological fluids from 11 fatal cases. <i>Archives of Pharmacal Research</i> , 1993 , 16, 175-179 | 6.1 | 1 |
| 2 | Financial Disclosure Incentives and Organizational Form Changes. <i>Asia-Pacific Journal of Financial Studies</i> , 2016 , 45, 839-863 | 1.2 | 1 |
| 1 | Forensic Science in Korea 189-194 | | |