

Jeongmi Lee

List of Publications by Year in descending order

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89
papers

3,955
citations

117625

34
h-index

128289

60
g-index

91
all docs

91
docs citations

91
times ranked

5562
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Carvone and its eutectic mixtures as novel, biodegradable, and tunable solvents to extract hydrophobic compounds in substitution for volatile toxic solvents. <i>Food Chemistry</i> , 2022, 374, 131630. | 8.2 | 5 |
| 2 | Insights into the enhanced thermal stability of lysozyme with altered structure and activity induced by choline chloride-based deep eutectic solvents containing polyols and sugars. <i>Journal of Molecular Liquids</i> , 2022, 349, 118143. | 4.9 | 9 |
| 3 | Engineered small extracellular vesicles displaying ACE2 variants on the surface protect against SARS-CoV-2 infection. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12179. | 12.2 | 24 |
| 4 | Integrative epigenomic and transcriptomic analyses reveal metabolic switching by intermittent fasting in brain. <i>GeroScience</i> , 2022, 44, 2171-2194. | 4.6 | 10 |
| 5 | Preparation and characterization of various chitin-glucan complexes derived from white button mushroom using a deep eutectic solvent-based ecofriendly method. <i>International Journal of Biological Macromolecules</i> , 2021, 169, 122-129. | 7.5 | 22 |
| 6 | Toxico-metabolomics study of a deep eutectic solvent comprising choline chloride and urea suggests <i>in vivo</i> toxicity involving oxidative stress and ammonia stress. <i>Green Chemistry</i> , 2021, 23, 1300-1311. | 9.0 | 22 |
| 7 | Alzheimer's disease-causing presenilin-1 mutations have deleterious effects on mitochondrial function. <i>Theranostics</i> , 2021, 11, 8855-8873. | 10.0 | 28 |
| 8 | <i>O</i> -GlcNAcylation ameliorates the pathological manifestations of Alzheimer's disease by inhibiting necroptosis. <i>Science Advances</i> , 2021, 7, . | 10.3 | 68 |
| 9 | Reactive oxygen species-responsive dendritic cell-derived exosomes for rheumatoid arthritis. <i>Acta Biomaterialia</i> , 2021, 128, 462-473. | 8.3 | 45 |
| 10 | Extracellular vesicles from adipose tissue-derived stem cells alleviate osteoporosis through osteoprotegerin and <i>miR-21a-5p</i> . <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12152. | 12.2 | 74 |
| 11 | A solvent-free headspace GC/MS method for sensitive screening of <i>N</i> -nitrosodimethylamine in drug products. <i>Analytical Methods</i> , 2021, 13, 3402-3409. | 2.7 | 6 |
| 12 | Systematic investigation of the extractive desulfurization of fuel using deep eutectic solvents from multifarious aspects. <i>Fuel</i> , 2020, 264, 116848. | 6.4 | 58 |
| 13 | Mixing of menthol-based hydrophobic deep eutectic solvents as a novel method to tune their properties. <i>Journal of Molecular Liquids</i> , 2020, 301, 112416. | 4.9 | 21 |
| 14 | In situ formation of thymol-based hydrophobic deep eutectic solvents: Application to antibiotics analysis in surface water based on liquid-liquid microextraction followed by liquid chromatography. <i>Journal of Chromatography A</i> , 2020, 1614, 460730. | 3.7 | 69 |
| 15 | Safe scarless cassette-free selection of genome-edited human pluripotent stem cells using temporary drug resistance. <i>Biomaterials</i> , 2020, 262, 120295. | 11.4 | 17 |
| 16 | Applications of deep eutectic solvents to quantitative analyses of pharmaceuticals and pesticides in various matrices: a brief review. <i>Archives of Pharmacal Research</i> , 2020, 43, 900-919. | 6.3 | 15 |
| 17 | Insights into the Vastly Different Effects of Eutectic Solvents on the Stability of Phenolic Compounds. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5268-5272. | 4.6 | 5 |
| 18 | Small extracellular vesicles from human adipose-derived stem cells attenuate cartilage degeneration. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1735249. | 12.2 | 162 |

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|----|--|------|-----------|
| 19 | Application of Deep Eutectic Solvents to Prepare Mixture Extracts of Three Long-Lived Trees with Maximized Skin-Related Bioactivities. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2581. | 2.5 | 9 |
| 20 | Hydrophobic deep eutectic solvents for the extraction of organic and inorganic analytes from aqueous environments. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 853-868. | 11.4 | 102 |
| 21 | Headspace conditions and ingredients can affect artefactual benzene formation in beverages. <i>Food Chemistry</i> , 2019, 293, 278-284. | 8.2 | 3 |
| 22 | A comprehensive metabolomics investigation of hippocampus, serum, and feces affected by chronic fluoxetine treatment using the chronic unpredictable mild stress mouse model of depression. <i>Scientific Reports</i> , 2019, 9, 7566. | 3.3 | 26 |
| 23 | Assembly of a GPCR-G Protein Complex. <i>Cell</i> , 2019, 177, 1232-1242.e11. | 28.9 | 163 |
| 24 | Comprehensive Investigation of the Effects of Brewing Conditions in Sample Preparation of Green Tea Infusions. <i>Molecules</i> , 2019, 24, 1735. | 3.8 | 18 |
| 25 | Cytotoxic Withanolides from the Roots of Indian Ginseng (<i>Withania somnifera</i>). <i>Journal of Natural Products</i> , 2019, 82, 765-773. | 3.0 | 28 |
| 26 | Metabolomics Approach Based on Multivariate Techniques for Blood Transfusion Reactions. <i>Scientific Reports</i> , 2019, 9, 1740. | 3.3 | 5 |
| 27 | Deep eutectic solvent-based valorization of spent coffee grounds. <i>Food Chemistry</i> , 2018, 255, 357-364. | 8.2 | 102 |
| 28 | Migration of epoxidized soybean oil from polyvinyl chloride/polyvinylidene chloride food packaging wraps into food simulants. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5033-5039. | 5.3 | 17 |
| 29 | One-step sample preparation for convenient examination of volatile monoterpenes and phenolic compounds in peppermint leaves using deep eutectic solvents. <i>Food Chemistry</i> , 2018, 251, 69-76. | 8.2 | 62 |
| 30 | Assessment of chemical equivalence in herbal materials using chromatographic fingerprints by combination of three similarity indices and three-dimensional kernel density estimation. <i>Analytica Chimica Acta</i> , 2018, 1037, 220-229. | 5.4 | 8 |
| 31 | Tirucallane Triterpenoids from the Stems and Stem Bark of <i>Cornus walteri</i> that Control Adipocyte and Osteoblast Differentiations. <i>Molecules</i> , 2018, 23, 2732. | 3.8 | 8 |
| 32 | Natural deep eutectic solvents as a storage medium for human interferon- β : a green and improved strategy for room-temperature biologics. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 65, 343-348. | 5.8 | 25 |
| 33 | Development and Validation of an Analytical Method Readily Applicable for Quality Control of <i>Tabebuia impetiginosa</i> (Taheebo) Ethanolic Extract. <i>Journal of AOAC INTERNATIONAL</i> , 2018, 101, 695-700. | 1.5 | 3 |
| 34 | Intracellular and Mitochondrial Reactive Oxygen Species Measurement in Primary Cultured Neurons. <i>Bio-protocol</i> , 2018, 8, e2871. | 0.4 | 3 |
| 35 | Designing Tyrosinase siRNAs by Multiple Prediction Algorithms and Evaluation of Their Anti-Melanogenic Effects. <i>Biomolecules and Therapeutics</i> , 2018, 26, 282-289. | 2.4 | 4 |
| 36 | Multi-functioning deep eutectic solvents as extraction and storage media for bioactive natural products that are readily applicable to cosmetic products. <i>Journal of Cleaner Production</i> , 2017, 151, 87-95. | 9.3 | 141 |

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|----|--|-----|-----------|
| 37 | Multi-platform metabolomics and a genetic approach support the authentication of agarwood produced by <i>Aquilaria crassna</i> and <i>Aquilaria malaccensis</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 142, 136-144. | 2.8 | 6 |
| 38 | A simple and reliable analytical method based on HPLC-UV to determine oleanonic acid content in Chios gum mastic for quality control. <i>Archives of Pharmacal Research</i> , 2017, 40, 49-56. | 6.3 | 9 |
| 39 | Solid-phase extraction assisted dispersive liquid-liquid microextraction based on solidification of floating organic droplet to determine sildenafil and its analogues in dietary supplements. <i>Journal of Separation Science</i> , 2017, 40, 3120-3129. | 2.5 | 9 |
| 40 | Simple and rapid determination of zaltoprofen in human plasma by manual-shaking-assisted dispersive liquid-liquid microextraction followed by liquid chromatography with ultraviolet detection. <i>Journal of Separation Science</i> , 2017, 40, 4050-4059. | 2.5 | 4 |
| 41 | Determination of enantiomeric vigabatrin by derivatization with diacetyl- <i>l</i> -tartaric anhydride followed by ultra-high performance liquid chromatography-quadrupole-time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1040, 199-207. | 2.3 | 16 |
| 42 | Identification of Major Flavone C-Glycosides and Their Optimized Extraction from <i>Cymbidium kanran</i> Using Deep Eutectic Solvents. <i>Molecules</i> , 2017, 22, 2006. | 3.8 | 19 |
| 43 | Simultaneous Determination of Volatile Organic Compounds in Commercial Alcoholic Beverages by Gas Chromatography with Flame Ionization Detection. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 1492-1499. | 1.5 | 13 |
| 44 | Metabolic response induced by parasitic plant-fungus interactions hinder amino sugar and nucleotide sugar metabolism in the host. <i>Scientific Reports</i> , 2016, 6, 37434. | 3.3 | 52 |
| 45 | Indirect enantioseparation of fluoxetine in mouse serum by derivatization with (1 <i>R</i>)-menthyl chloroformate followed by ultra high performance liquid chromatography and quadrupole time-of-flight mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 1041-1049. | 2.5 | 3 |
| 46 | Ultrasound-assisted chiral derivatization of etodolac with (1 <i>R</i>)-menthyl chloroformate for the determination of etodolac enantiomers. <i>Arabian Journal of Chemistry</i> , 2016, 9, S1962-S1972. | 4.9 | 2 |
| 47 | A 1H NMR-based metabolomics approach to evaluate the geographical authenticity of herbal medicine and its application in building a model effectively assessing the mixing proportion of intentional admixtures: A case study of <i>Panax ginseng</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 124, 120-128. | 2.8 | 35 |
| 48 | A Simple, Rapid and Reliable Method to Determine Imipramine and Desipramine in Mouse Serum Using Ultra-High-Performance Liquid Chromatography-Quadrupole-Time-of-Flight Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2016, 54, 561-568. | 1.4 | 9 |
| 49 | UPLC-QTOFMS based metabolomics followed by stepwise partial least square-discriminant analysis (PLS-DA) explore the possible relation between the variations in secondary metabolites and the phylogenetic divergences of the genus <i>Panax</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1012-1013, 61-68. | 2.3 | 26 |
| 50 | Ion-pair dispersive liquid-liquid microextraction solidification of floating organic droplets method for the rapid and sensitive detection of phenolic acids in wine samples using liquid chromatography combined with a core-shell particle column. <i>Journal of Food Composition and Analysis</i> , 2016, 45, 73-79. | 3.9 | 17 |
| 51 | Metabolomic identification of biochemical changes induced by fluoxetine and imipramine in a chronic mild stress mouse model of depression. <i>Scientific Reports</i> , 2015, 5, 8890. | 3.3 | 59 |
| 52 | Enhanced extraction of bioactive natural products using tailor-made deep eutectic solvents: application to flavonoid extraction from <i>Flos sophorae</i> . <i>Green Chemistry</i> , 2015, 17, 1718-1727. | 9.0 | 361 |
| 53 | Rh(III)-catalyzed C-H alkylation of 2-arylbenzothiazoles with $\hat{I}\pm$ -diazo esters. <i>Tetrahedron Letters</i> , 2015, 56, 4678-4682. | 1.4 | 34 |
| 54 | Highly efficient extraction of anthocyanins from grape skin using deep eutectic solvents as green and tunable media. <i>Archives of Pharmacal Research</i> , 2015, 38, 2143-2152. | 6.3 | 100 |

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|----|---|-----|-----------|
| 55 | Tailoring and recycling of deep eutectic solvents as sustainable and efficient extraction media. <i>Journal of Chromatography A</i> , 2015, 1424, 10-17. | 3.7 | 156 |
| 56 | Investigating the Different Mechanisms of Genotoxic and Non-Genotoxic Carcinogens by a Gene Set Analysis. <i>PLoS ONE</i> , 2014, 9, e86700. | 2.5 | 11 |
| 57 | Copper-Catalyzed Oxidative C=O Bond Formation of 2-Acyl Phenols and 1,3-Dicarbonyl Compounds with Ethers: Direct Access to Phenol Esters and Enol Esters. <i>Journal of Organic Chemistry</i> , 2014, 79, 4735-4742. | 3.2 | 24 |
| 58 | Combination of a sub- μm superficially porous particle packed column with charged aerosol detection for the simple and sensitive measurement of nine macrolides in human urine. <i>Journal of Separation Science</i> , 2014, 37, 2837-2843. | 2.5 | 6 |
| 59 | A new analytical method to determine non-steroidal anti-inflammatory drugs in surface water using in situ derivatization combined with ultrasound-assisted emulsification microextraction followed by gas chromatography-mass spectrometry. <i>Talanta</i> , 2014, 129, 552-559. | 5.5 | 40 |
| 60 | Development of high performance liquid chromatography-ultraviolet detection method for screening mebendazole, clorsulon, diaveridine, and tolfenamic acid in animal-based food samples. <i>Drug Testing and Analysis</i> , 2014, 6, 246-256. | 2.6 | 16 |
| 61 | Evaluation of Four Different Analytical Tools to Determine the Regional Origin of <i>Gastrodia elata</i> and <i>Rehmannia glutinosa</i> on the Basis of Metabolomics Study. <i>Molecules</i> , 2014, 19, 6294-6308. | 3.8 | 16 |
| 62 | Non-invasive characterization of the adipogenic differentiation of human bone marrow-derived mesenchymal stromal cells by HS-SPME/GC-MS. <i>Scientific Reports</i> , 2014, 4, 6550. | 3.3 | 15 |
| 63 | Discrimination between genetically identical peony roots from different regions of origin based on ^1H -nuclear magnetic resonance spectroscopy-based metabolomics: determination of the geographical origins and estimation of the mixing proportions of blended samples. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7523-7534. | 3.7 | 6 |
| 64 | Comparison of primary and secondary metabolites for suitability to discriminate the origins of <i>Schisandra chinensis</i> by GC/MS and LC/MS. <i>Food Chemistry</i> , 2013, 141, 3931-3937. | 8.2 | 72 |
| 65 | A New Application of Charged Aerosol Detection in Liquid Chromatography for the Simultaneous Determination of Polar and Less Polar Ginsenosides in Ginseng Products. <i>Phytochemical Analysis</i> , 2013, 24, 374-380. | 2.4 | 17 |
| 66 | Combined application of dispersive liquid-liquid microextraction based on the solidification of floating organic droplets and charged aerosol detection for the simple and sensitive quantification of macrolide antibiotics in human urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 86, 204-213. | 2.8 | 37 |
| 67 | An in situ benzylation-dispersive liquid-liquid microextraction method based on solidification of floating organic droplets for determination of biogenic amines by liquid chromatography-ultraviolet analysis. <i>Journal of Chromatography A</i> , 2013, 1282, 1-10. | 3.7 | 52 |
| 68 | Distinguishing between genotoxic and non-genotoxic hepatocarcinogens by gene expression profiling and bioinformatic pathway analysis. <i>Scientific Reports</i> , 2013, 3, 2783. | 3.3 | 48 |
| 69 | Stouffer's Test in a Large Scale Simultaneous Hypothesis Testing. <i>PLoS ONE</i> , 2013, 8, e63290. | 2.5 | 11 |
| 70 | Non-Derivatization Method for the Determination of Gabapentin in Pharmaceutical Formulations, Rat Serum and Rat Urine using High Performance Liquid Chromatography Coupled with Charged Aerosol Detection. <i>Current Analytical Chemistry</i> , 2012, 8, 159-167. | 1.2 | 10 |
| 71 | Determination of bioactive compounds in fermented soybean products using GC/MS and further investigation of correlation of their bioactivities. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 880, 42-49. | 2.3 | 42 |
| 72 | Determination of three preservatives, cresol, chlorocresol and benzethonium, in drugs by high performance liquid chromatography-ultraviolet (HPLC-UV) detection. <i>Journal of Pharmaceutical Investigation</i> , 2012, 42, 47-50. | 5.3 | 8 |

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|----|--|------|-----------|
| 73 | Determination of endocrine disrupting chemicals in water samples by dispersive liquid-liquid microextraction combined with liquid chromatography-fluorescence detection. <i>Journal of Pharmaceutical Investigation</i> , 2012, 42, 77-82. | 5.3 | 5 |
| 74 | Determination of biogenic amines in Bokbunja (<i>Rubus coreanus</i> Miq.) wines using a novel ultra-performance liquid chromatography coupled with quadrupole-time of flight mass spectrometry. <i>Food Chemistry</i> , 2012, 132, 1185-1190. | 8.2 | 54 |
| 75 | Comparison of two aerosol-based detectors for the analysis of gabapentin in pharmaceutical formulations by hydrophilic interaction chromatography. <i>Talanta</i> , 2011, 85, 2301-2306. | 5.5 | 41 |
| 76 | Simultaneous determination of 23 amino acids and 7 biogenic amines in fermented food samples by liquid chromatography/quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 9174-9182. | 3.7 | 112 |
| 77 | Effects of storage period and heat treatment on phenolic compound composition in dried Citrus peels (Chenpi) and discrimination of Chenpi with different storage periods through targeted metabolomic study using HPLC-DAD analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 54, 638-645. | 2.8 | 65 |
| 78 | Alternative Spermidine Biosynthetic Route Is Critical for Growth of <i>Campylobacter jejuni</i> and Is the Dominant Polyamine Pathway in Human Gut Microbiota. <i>Journal of Biological Chemistry</i> , 2011, 286, 43301-43312. | 3.4 | 93 |
| 79 | Comparison of ultraviolet detection, evaporative light scattering detection and charged aerosol detection methods for liquid-chromatographic determination of anti-diabetic drugs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 973-978. | 2.8 | 60 |
| 80 | Multifunctional doxorubicin loaded superparamagnetic iron oxide nanoparticles for chemotherapy and magnetic resonance imaging in liver cancer. <i>Biomaterials</i> , 2010, 31, 4995-5006. | 11.4 | 297 |
| 81 | Comparison between evaporative light scattering detection and charged aerosol detection for the analysis of saikosaponins. <i>Journal of Chromatography A</i> , 2010, 1217, 4347-4354. | 3.7 | 77 |
| 82 | Production and characterization of methyl ester sophorolipids with 22-carbon-fatty acids. <i>Bioresource Technology</i> , 2010, 101, 3170-3174. | 9.6 | 33 |
| 83 | Effect of steam treatment on soluble phenolic content and antioxidant activity of the Chaga mushroom (<i>Inonotus obliquus</i>). <i>Food Chemistry</i> , 2010, 119, 619-625. | 8.2 | 48 |
| 84 | Water-retentive and Anti-inflammatory Properties of Organic and Inorganic Substances from Korean Sea Mud. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500. | 0.5 | 4 |
| 85 | Discovery of Potent and Selective Inhibitors of <i>Trypanosoma brucei</i> Ornithine Decarboxylase. <i>Journal of Biological Chemistry</i> , 2010, 285, 16771-16781. | 3.4 | 33 |
| 86 | Evolution of Substrate Specificity within a Diverse Family of β -Barrel-fold Basic Amino Acid Decarboxylases. <i>Journal of Biological Chemistry</i> , 2010, 285, 25708-25719. | 3.4 | 24 |
| 87 | An Alternative Polyamine Biosynthetic Pathway Is Widespread in Bacteria and Essential for Biofilm Formation in <i>Vibrio cholerae</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 9899-9907. | 3.4 | 156 |
| 88 | Simultaneous determination of anti-diabetes/anti-obesity drugs by LC/PDA, and targeted analysis of sibutramine analog in dietary supplements by LC/MS/MS. <i>Biomedical Chromatography</i> , 2009, 23, 1259-1265. | 1.7 | 53 |
| 89 | Phylogenetic Diversity and the Structural Basis of Substrate Specificity in the β -Barrel Fold Basic Amino Acid Decarboxylases. <i>Journal of Biological Chemistry</i> , 2007, 282, 27115-27125. | 3.4 | 52 |