Jeongmi Lee

List of Publications by Year
in descending order

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Version: 2024-02-01

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	Enhanced extraction of bioactive natural products using tailor-made deep eutectic solvents: application to flavonoid extraction from Flos sophorae. Green Chemistry, 2015, 17, 1718-1727.	9.0	361
2	Multifunctional doxorubicin loaded superparamagnetic iron oxide nanoparticles for chemotherapy and magnetic resonance imaging in liver cancer. Biomaterials, 2010, 31, 4995-5006.	11.4	297
3	Assembly of a GPCR-G Protein Complex. Cell, 2019, 177, 1232-1242.e11.	28.9	163
4	Small extracellular vesicles from human adiposeâ€derived stem cells attenuate cartilage degeneration. Journal of Extracellular Vesicles, 2020, 9, 1735249.	12.2	162
5	An Alternative Polyamine Biosynthetic Pathway Is Widespread in Bacteria and Essential for Biofilm Formation in Vibrio cholerae. Journal of Biological Chemistry, 2009, 284, 9899-9907.	3.4	156
6	Tailoring and recycling of deep eutectic solvents as sustainable and efficient extraction media. Journal of Chromatography A, 2015, 1424, 10-17.	3.7	156
7	Multi-functioning deep eutectic solvents as extraction and storage media for bioactive natural products that are readily applicable to cosmetic products. Journal of Cleaner Production, 2017, 151, 87-95.	9.3	141
8	Simultaneous determination of 23 amino acids and 7 biogenic amines in fermented food samples by liquid chromatography/quadrupole time-of-flight mass spectrometry. Journal of Chromatography A, 2011, 1218, 9174-9182.	3.7	112
9	Deep eutectic solvent-based valorization of spent coffee grounds. Food Chemistry, 2018, 255, 357-364.	8.2	102
10	Hydrophobic deep eutectic solvents for the extraction of organic and inorganic analytes from aqueous environments. TrAC - Trends in Analytical Chemistry, 2019, 118, 853-868.	11.4	102
11	Highly efficient extraction of anthocyanins from grape skin using deep eutectic solvents as green and tunable media. Archives of Pharmacal Research, 2015, 38, 2143-2152.	6.3	100
12	Alternative Spermidine Biosynthetic Route Is Critical for Growth of Campylobacter jejuni and Is the Dominant Polyamine Pathway in Human Gut Microbiota. Journal of Biological Chemistry, 2011, 286, 43301-43312.	3.4	93
13	Comparison between evaporative light scattering detection and charged aerosol detection for the analysis of saikosaponins. Journal of Chromatography A, 2010, 1217, 4347-4354.	3.7	77
14	Extracellular vesicles from adipose tissueâ€derived stem cells alleviate osteoporosis through osteoprotegerin and miRâ€21â€5p. Journal of Extracellular Vesicles, 2021, 10, e12152.	12.2	74
15	Comparison of primary and secondary metabolites for suitability to discriminate the origins of Schisandra chinensis by GC/MS and LC/MS. Food Chemistry, 2013, 141, 3931-3937.	8.2	72
16	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. Journal of Chromatography A, 2020, 1614, 460730.	3.7	69
17	O -GlcNAcylation ameliorates the pathological manifestations of Alzheimerâ€™s disease by inhibiting necroptosis. Science Advances, 2021, 7, .	10.3	68
18	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. Journal of Pharmaceutical and Biomedical Analysis, 2011, 54, 638-645.	2.8	65

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19	One-step sample preparation for convenient examination of volatile monoterpenes and phenolic compounds in peppermint leaves using deep eutectic solvents. Food Chemistry, 2018, 251, 69-76.	8.2	62
20	Comparison of ultraviolet detection, evaporative light scattering detection and charged aerosol detection methods for liquid-chromatographic determination of anti-diabetic drugs. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 973-978.	2.8	60
21	Metabolomic identification of biochemical changes induced by fluoxetine and imipramine in a chronic mild stress mouse model of depression. Scientific Reports, 2015, 5, 8890.	3.3	59
22	Systematic investigation of the extractive desulfurization of fuel using deep eutectic solvents from multifarious aspects. Fuel, 2020, 264, 116848.	6.4	58
23	Determination of biogenic amines in Bokbunja (Rubus coreanus Miq.) wines using a novel ultra-performance liquid chromatography coupled with quadrupole-time of flight mass spectrometry. Food Chemistry, 2012, 132, 1185-1190.	8.2	54
24	Simultaneous determination of antiâ€diabetes/antiâ€obesity drugs by LC/PDA, and targeted analysis of sibutramine analog in dietary supplements by LC/MS/MS. Biomedical Chromatography, 2009, 23, 1259-1265.	1.7	53
25	Phylogenetic Diversity and the Structural Basis of Substrate Specificity in the Î²/Î±-Barrel Fold Basic Amino Acid Decarboxylases. Journal of Biological Chemistry, 2007, 282, 27115-27125.	3.4	52
26	An in situ benzoylation-dispersive liquidâ€“liquid microextraction method based on solidification of floating organic droplets for determination of biogenic amines by liquid chromatographyâ€“ultraviolet analysis. Journal of Chromatography A, 2013, 1282, 1-10.	3.7	52
27	Metabolic response induced by parasitic plant-fungus interactions hinder amino sugar and nucleotide sugar metabolism in the host. Scientific Reports, 2016, 6, 37434.	3.3	52
28	Effect of steam treatment on soluble phenolic content and antioxidant activity of the Chaga mushroom (Inonotus obliquus). Food Chemistry, 2010, 119, 619-625.	8.2	48
29	Distinguishing between genotoxic and non-genotoxic hepatocarcinogens by gene expression profiling and bioinformatic pathway analysis. Scientific Reports, 2013, 3, 2783.	3.3	48
30	Reactive oxygen species-responsive dendritic cell-derived exosomes for rheumatoid arthritis. Acta Biomaterialia, 2021, 128, 462-473.	8.3	45
31	Determination of bioactive compounds in fermented soybean products using GC/MS and further investigation of correlation of their bioactivities. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 880, 42-49.	2.3	42
32	Comparison of two aerosol-based detectors for the analysis of gabapentin in pharmaceutical formulations by hydrophilic interaction chromatography. Talanta, 2011, 85, 2301-2306.	5.5	41
33	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 chromatographyâ€“mass spectrometry. Talanta, 2014, 129, 552-559.	5.5	40
34	Combined application of dispersive liquidâ€“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. Journal of Pharmaceutical and Biomedical Analysis, 2013, 86, 204-213.	2.8	37
35	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 Panax ginseng. Journal of Pharmaceutical and Biomedical Analysis, 2016, 124, 120-128.	2.8	35
36	Rh(III)-catalyzed Câ€“H alkylation of 2-arylbenzothiazoles with Î±-diazo esters. Tetrahedron Letters, 2015, 56, 4678-4682.	1.4	34

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37	Production and characterization of methyl ester sophorolipids with 22-carbon-fatty acids. Bioresource Technology, 2010, 101, 3170-3174.	9.6	33
38	Discovery of Potent and Selective Inhibitors of Trypanosoma brucei Ornithine Decarboxylase. Journal of Biological Chemistry, 2010, 285, 16771-16781.	3.4	33
39	Cytotoxic Withanolides from the Roots of Indian Ginseng (Withania somnifera). Journal of Natural Products, 2019, 82, 765-773.	3.0	28
40	Alzheimer's disease-causing presenilin-1 mutations have deleterious effects on mitochondrial function. Theranostics, 2021, 11, 8855-8873.	10.0	28
41	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 Panax. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1012-1013, 61-68.	2.3	26
42	A comprehensive metabolomics investigation of hippocampus, serum, and feces affected by chronic fluoxetine treatment using the chronic unpredictable mild stress mouse model of depression. Scientific Reports, 2019, 9, 7566.	3.3	26
43	Natural deep eutectic solvents as a storage medium for human interferon-Î±2: a green and improved strategy for room-temperature biologics. Journal of Industrial and Engineering Chemistry, 2018, 65, 343-348.	5.8	25
44	Evolution of Substrate Specificity within a Diverse Family of Î²/Î±-Barrel-fold Basic Amino Acid Decarboxylases. Journal of Biological Chemistry, 2010, 285, 25708-25719.	3.4	24
45	Copper-Catalyzed Oxidative Câ€“O Bond Formation of 2-Acyl Phenols and 1,3-Dicarbonyl Compounds with Ethers: Direct Access to Phenol Esters and Enol Esters. Journal of Organic Chemistry, 2014, 79, 4735-4742.	3.2	24
46	Engineered small extracellular vesicles displaying ACE2 variants on the surface protect against SARSâ€CoVâ€2 infection. Journal of Extracellular Vesicles, 2022, 11, e12179.	12.2	24
47	Preparation and characterization of various chitin-glucan complexes derived from white button mushroom using a deep eutectic solvent-based ecofriendly method. International Journal of Biological Macromolecules, 2021, 169, 122-129.	7.5	22
48	Toxico-metabolomics study of a deep eutectic solvent comprising choline chloride and urea suggests in vivo toxicity involving oxidative stress and ammonia stress. Green Chemistry, 2021, 23, 1300-1311.	9.0	22
49	Mixing of menthol-based hydrophobic deep eutectic solvents as a novel method to tune their properties. Journal of Molecular Liquids, 2020, 301, 112416.	4.9	21
50	Identification of Major Flavone C-Glycosides and Their Optimized Extraction from Cymbidium kanran Using Deep Eutectic Solvents. Molecules, 2017, 22, 2006.	3.8	19
51	Comprehensive Investigation of the Effects of Brewing Conditions in Sample Preparation of Green Tea Infusions. Molecules, 2019, 24, 1735.	3.8	18
52	A New Application of Charged Aerosol Detection in Liquid Chromatography for the Simultaneous Determination of Polar and Less Polar Ginsenosides in Ginseng Products. Phytochemical Analysis, 2013, 24, 374-380.	2.4	17
53	Ion-pair dispersive liquidâ€“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 coreâ€“shell particle column. Journal of Food Composition and Analysis, 2016, 45, 73-79.	3.9	17
54	Migration of epoxidized soybean oil from polyvinyl chloride/polyvinylidene chloride food packaging wraps into food simulants. Environmental Science and Pollution Research, 2018, 25, 5033-5039.	5.3	17

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55	Safe scarless cassette-free selection of genome-edited human pluripotent stem cells using temporary drug resistance. Biomaterials, 2020, 262, 120295.	11.4	17
56	Development of high performance liquid chromatographyâ€ultraviolet detection method for screening mebendazole, clorsulon, diaveridine, and tolfenamic acid in animalâ€based food samples. Drug Testing and Analysis, 2014, 6, 246-256.	2.6	16
57	Evaluation of Four Different Analytical Tools to Determine the Regional Origin of Gastrodia elata and Rehmannia glutinosa on the Basis of Metabolomics Study. Molecules, 2014, 19, 6294-6308.	3.8	16
58	Determination of enantiomeric vigabatrin by derivatization with diacetyl- l -tartaric anhydride followed by ultra-high performance liquid chromatography-quadrupole-time-of-flight mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1040, 199-207.	2.3	16
59	Non-invasive characterization of the adipogenic differentiation of human bone marrow-derived mesenchymal stromal cells by HS-SPME/GC-MS. Scientific Reports, 2014, 4, 6550.	3.3	15
60	Applications of deep eutectic solvents to quantitative analyses of pharmaceuticals and pesticides in various matrices: a brief review. Archives of Pharmacal Research, 2020, 43, 900-919.	6.3	15
61	Simultaneous Determination of Volatile Organic Compounds in Commercial Alcoholic Beverages by Gas Chromatography with Flame Ionization Detection. Journal of AOAC INTERNATIONAL, 2017, 100, 1492-1499.	1.5	13
62	Stoufferâ€™s Test in a Large Scale Simultaneous Hypothesis Testing. PLoS ONE, 2013, 8, e63290.	2.5	11
63	Investigating the Different Mechanisms of Genotoxic and Non-Genotoxic Carcinogens by a Gene Set Analysis. PLoS ONE, 2014, 9, e86700.	2.5	11
64	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. Current Analytical Chemistry, 2012, 8, 159-167.	1.2	10
65	Integrative epigenomic and transcriptomic analyses reveal metabolic switching by intermittent fasting in brain. GeroScience, 2022, 44, 2171-2194.	4.6	10
66	A Simple, Rapid and Reliable Method to Determine Imipramine and Desipramine in Mouse Serum Using Ultra-High-Performance Liquid Chromatographyâ€“Quadrupole-Time-of-Flight Mass Spectrometry. Journal of Chromatographic Science, 2016, 54, 561-568.	1.4	9
67	A simple and reliable analytical method based on HPLCâ€“UV to determine oleanonic acid content in Chios gum mastic for quality control. Archives of Pharmacal Research, 2017, 40, 49-56.	6.3	9
68	Solidâ€phase extraction assisted dispersive liquidâ€“liquid microextraction based on solidification of floating organic droplet to determine sildenafil and its analogues in dietary supplements. Journal of Separation Science, 2017, 40, 3120-3129.	2.5	9
69	Application of Deep Eutectic Solvents to Prepare Mixture Extracts of Three Long-Lived Trees with Maximized Skin-Related Bioactivities. Applied Sciences (Switzerland), 2019, 9, 2581.	2.5	9
70	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. Journal of Molecular Liquids, 2022, 349, 118143.	4.9	9
71	Determination of three preservatives, cresol, chlorocresol and benzethonium, in drugs by high performance liquid chromatographyâ€“ultraviolet (HPLCâ€“UV) detection. Journal of Pharmaceutical Investigation, 2012, 42, 47-50.	5.3	8
72	Assessment of chemical equivalence in herbal materials using chromatographic fingerprints by combination of three similarity indices and three-dimensional kernel density estimation. Analytica Chimica Acta, 2018, 1037, 220-229.	5.4	8

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73	Tirucallane Triterpenoids from the Stems and Stem Bark of Cornus walteri that Control Adipocyte and Osteoblast Differentiations. Molecules, 2018, 23, 2732.	3.8	8
74	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. Analytical and Bioanalytical Chemistry, 2013, 405, 7523-7534.	3.7	6
75	Combination of a subâ€3ÂÎ¼m superficially porous particle packed column with charged aerosol detection for the simple and sensitive measurement of nine macrolides in human urine. Journal of Separation Science, 2014, 37, 2837-2843.	2.5	6
76	Multi-platform metabolomics and a genetic approach support the authentication of agarwood produced by Aquilaria crassna and Aquilaria malaccensis. Journal of Pharmaceutical and Biomedical Analysis, 2017, 142, 136-144.	2.8	6
77	A solvent-free headspace GC/MS method for sensitive screening of N-nitrosodimethylamine in drug products. Analytical Methods, 2021, 13, 3402-3409.	2.7	6
78	Determination of endocrine disrupting chemicals in water samples by dispersive liquidâ€“liquid microextraction combined with liquid chromatographyâ€“fluorescence detection. Journal of Pharmaceutical Investigation, 2012, 42, 77-82.	5.3	5
79	Metabolomics Approach Based on Multivariate Techniques for Blood Transfusion Reactions. Scientific Reports, 2019, 9, 1740.	3.3	5
80	Insights into the Vastly Different Effects of Eutectic Solvents on the Stability of Phenolic Compounds. Journal of Physical Chemistry Letters, 2020, 11, 5268-5272.	4.6	5
81	Carvone and its eutectic mixtures as novel, biodegradable, and tunable solvents to extract hydrophobic compounds in substitution for volatile toxic solvents. Food Chemistry, 2022, 374, 131630.	8.2	5
82	Water-retentive and Anti-inflammatory Properties of Organic and Inorganic Substances from Korean Sea Mud. Natural Product Communications, 2010, 5, 1934578X1000500.	0.5	4
83	Simple and rapid determination of zaltoprofen in human plasma by manualâ€shakingâ€assisted dispersive liquidâ€“liquid microextraction followed by liquid chromatography with ultraviolet detection. Journal of Separation Science, 2017, 40, 4050-4059.	2.5	4
84	Designing Tyrosinase siRNAs by Multiple Prediction Algorithms and Evaluation of Their Anti-Melanogenic Effects. Biomolecules and Therapeutics, 2018, 26, 282-289.	2.4	4
85	Indirect enantioseparation of fluoxetine in mouse serum by derivatization with 1Râ€(â€“)â€menthyl chloroformate followed by ultra high performance liquid chromatography and quadrupole timeâ€ofâ€flight mass spectrometry. Journal of Separation Science, 2016, 39, 1041-1049.	2.5	3
86	Development and Validation of an Analytical Method Readily Applicable for Quality Control of Tabebuia impetiginosa (Taheebo) Ethanolic Extract. Journal of AOAC INTERNATIONAL, 2018, 101, 695-700.	1.5	3
87	Headspace conditions and ingredients can affect artefactual benzene formation in beverages. Food Chemistry, 2019, 293, 278-284.	8.2	3
88	Intracellular and Mitochondrial Reactive Oxygen Species Measurement in Primary Cultured Neurons. Bio-protocol, 2018, 8, e2871.	0.4	3
89	Ultrasound-assisted chiral derivatization of etodolac with (1R)-(â^)-menthyl chloroformate for the determination of etodolac enantiomers. Arabian Journal of Chemistry, 2016, 9, S1962-S1972.	4.9	2