

Ping Hu

List of Publications by Year in descending order

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54
papers

1,014
citations

394421

19
h-index

477307

29
g-index

57
all docs

57
docs citations

57
times ranked

1371
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and fabrication of a liver-on-a-chip platform for convenient, highly efficient, and safe <i>in situ</i> perfusion culture of 3D hepatic spheroids. <i>Lab on A Chip</i> , 2018, 18, 2547-2562.	6.0	119
2	Radix isatidis Polysaccharides Inhibit Influenza A Virus and Influenza A Virus-Induced Inflammation via Suppression of Host TLR3 Signaling <i>In Vitro</i> . <i>Molecules</i> , 2017, 22, 116.	3.8	60
3	Metabolomic profiling of rat serum associated with isoproterenol-induced myocardial infarction using ultra-performance liquid chromatography/time-of-flight mass spectrometry and multivariate analysis. <i>Talanta</i> , 2009, 79, 254-259.	5.5	57
4	Herbal medicine Yinchenhaotang protects against $\hat{\alpha}$ -naphthylisothiocyanate-induced cholestasis in rats. <i>Scientific Reports</i> , 2017, 7, 4211.	3.3	48
5	Improved Sphingolipidomic Approach Based on Ultra-High Performance Liquid Chromatography and Multiple Mass Spectrometries with Application to Cellular Neurotoxicity. <i>Analytical Chemistry</i> , 2014, 86, 5688-5696.	6.5	43
6	Microfluidic co-culture of liver tumor spheroids with stellate cells for the investigation of drug resistance and intercellular interactions. <i>Analyst</i> , The, 2019, 144, 4233-4240.	3.5	39
7	Chemical profiling and quality evaluation of Zhishi-Xiebai-Guizhi Decoction by UPLC-Q-TOF-MS and UPLC fingerprint. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 194, 113771.	2.8	38
8	Selectively modified microfluidic chip for solvent extraction of Radix Salvia Miltiorrhiza using three-phase laminar flow to provide double liquid-liquid interface area. <i>Microfluidics and Nanofluidics</i> , 2010, 9, 365-373.	2.2	37
9	Combination of normal-phase medium-pressure liquid chromatography and high-performance counter-current chromatography for preparation of ginsenoside-Ro from panax ginseng with high recovery and efficiency. <i>Separation and Purification Technology</i> , 2010, 73, 397-402.	7.9	30
10	Serum Metabolomic Characterization of Liver Fibrosis in Rats and Anti-Fibrotic Effects of Yin-Chen-Hao-Tang. <i>Molecules</i> , 2016, 21, 126.	3.8	24
11	GC-MS Profiling of Volatile Components in Different Fermentation Products of Cordyceps Sinensis Mycelia. <i>Molecules</i> , 2017, 22, 1800.	3.8	24
12	The retention behavior of ginsenosides in HPLC and its application to quality assessment of radix ginseng. <i>Archives of Pharmacal Research</i> , 2008, 31, 1265-1273.	6.3	23
13	Application of $\hat{\beta}$ -Cyclodextrin metal-organic framework/titanium dioxide hybrid nanocomposite as dispersive solid-phase extraction adsorbent to organochlorine pesticide residues in honey samples. <i>Journal of Chromatography A</i> , 2022, 1663, 462750.	3.7	23
14	A Comparative Study on Polyphenolic Composition of Berries from the Tibetan Plateau by UPLC-Q-Orbitrap MS System. <i>Chemistry and Biodiversity</i> , 2020, 17, e2000033.	2.1	22
15	Development of a Method to Extract and Purify Target Compounds from Medicinal Plants in a Single Step: Online Hyphenation of Expanded Bed Adsorption Chromatography and Countercurrent Chromatography. <i>Analytical Chemistry</i> , 2014, 86, 3373-3379.	6.5	21
16	A gravity-actuated technique for flexible and portable microfluidic droplet manipulation. <i>Microfluidics and Nanofluidics</i> , 2010, 9, 995-1001.	2.2	20
17	Enriched separation of protopanaxatriol ginsenosides, malonyl ginsenosides and protopanaxadiol ginsenosides from Panax ginseng using macroporous resins. <i>Journal of Food Engineering</i> , 2012, 113, 577-588.	5.2	20
18	Integrated Expanded-Bed Ion Exchange Chromatography as a Tool for Direct Recovery of Shikimic Acid from <i>Illicium verum</i> . <i>Solvent Extraction and Ion Exchange</i> , 2014, 32, 316-332.	2.0	20

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19	A cellular lipidomic study on the H_2O_2 -induced neurotoxicity and neuroprotective effects of EGCG by using UPLC/MS-based glycerolipids profiling and multivariate analysis. <i>Molecular BioSystems</i> , 2012, 8, 3208.	2.9	19
20	Direct process integration of extraction and expanded bed adsorption in the recovery of crocetin derivatives from <i>Fructus Gardenia</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 858, 220-226.	2.3	17
21	Sphingolipidomic Profiling of Rat Serum by UPLC-Q-TOF-MS: Application to Rheumatoid Arthritis Study. <i>Molecules</i> , 2018, 23, 1324.	3.8	17
22	Hypercrosslinked strong anion-exchange polymers for selective extraction of fluoroquinolones in milk samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 166, 379-386.	2.8	17
23	Rapid determination of folic acid and riboflavin in urine by polypyrrole magnetic solid-phase extractant combined ultra-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2021, 1648, 462192.	3.7	17
24	Simultaneous quantification of eleven short-chain fatty acids by derivatization and solid phase microextraction - Gas chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2022, 1661, 462680.	3.7	17
25	Design and fabrication of an integrated 3D dynamic multicellular liver-on-a-chip and its application in hepatotoxicity screening. <i>Talanta</i> , 2022, 241, 123262.	5.5	17
26	Development of a strategy and process parameters for a green process in counter-current chromatography: Purification of tanshinone IIA and cryptotanshinone from <i>Salvia miltiorrhiza</i> Bunge as a case study. <i>Journal of Chromatography A</i> , 2011, 1218, 6031-6037.	3.7	15
27	In-situ extraction and separation of salvianolic acid B from <i>Salvia miltiorrhiza</i> Bunge by integrated expanded bed adsorption. <i>Separation and Purification Technology</i> , 2011, 80, 677-682.	7.9	15
28	Interaction study of cancer cells and fibroblasts on a spatially confined oxygen gradient microfluidic chip to investigate the tumor microenvironment. <i>Analyst</i> , 2018, 143, 5431-5437.	3.5	15
29	Two-step preparation of ginsenoside-Re, Rb1, Rc and Rb2 from the root of <i>Panax ginseng</i> by high-performance counter-current chromatography. <i>Separation and Purification Technology</i> , 2011, 77, 347-354.	7.9	13
30	Combination of integrated expanded bed adsorption chromatography and countercurrent chromatography for the direct extraction and purification of pseudohypericin and hypericin from <i>St. John's wort</i> (<i>Hypericum perforatum</i>). <i>Journal of Separation Science</i> , 2015, 38, 2588-2596.	2.5	13
31	Simultaneous extraction and determination of mono-/polyglutamyl folates using high-performance liquid chromatography-tandem mass spectrometry and its applications in starchy crops. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2891-2904.	3.7	13
32	Development of a Process for Separation of Mogroside V from <i>Siraitia grosvenorii</i> by Macroporous Resins. <i>Molecules</i> , 2011, 16, 7288-7301.	3.8	12
33	Hypercrosslinked strong cation-exchange polymers for selective extraction of serum purine metabolites associated with gout. <i>Talanta</i> , 2016, 151, 172-178.	5.5	12
34	Coupling of ultrasound-assisted extraction and expanded bed adsorption for simplified medicinal plant processing and its theoretical model: Extraction and enrichment of ginsenosides from <i>Ginseng</i> as a case study. <i>Journal of Separation Science</i> , 2013, 36, 593-601.	2.5	11
35	Two-stage fractionation of polar alkaloids from <i>Rhizoma coptidis</i> by countercurrent chromatography considering the strategy of reactive extraction. <i>Journal of Chromatography A</i> , 2015, 1378, 58-64.	3.7	11
36	Tartaric acid induced conversion of protopanaxadiol to ginsenosides Rg ₃ and Rg ₅ and their <i>in situ</i> recoveries by integrated expanded bed adsorption chromatography. <i>Journal of Separation Science</i> , 2016, 39, 2995-3001.	2.5	8

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37	Simultaneous quantification of urinary purines and creatinine by ultra high performance liquid chromatography with ultraviolet spectroscopy and quadrupole time-of-flight mass spectrometry: Method development, validation, and application to gout study. <i>Journal of Separation Science</i> , 2019, 42, 2523-2533.	2.5	8
38	A new circular-shape microfluidic network for generating gradients of multiple substances -design, demonstration and application. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 247-254.	7.8	8
39	Phenylboronic acid derivative-modified (6,5) single-wall carbon nanotube probes for detecting glucose and hydrogen peroxide. <i>RSC Advances</i> , 2019, 9, 2258-2267.	3.6	7
40	HPLC determination of massoia lactone in fermented <i>Cordyceps sinensis</i> mycelium Cs4 and its anticancer activity in vitro. <i>Journal of Food Biochemistry</i> , 2020, 44, e13336.	2.9	7
41	Synthesis of Mesoporous Silica-Coated Magnetic Nanocomposites Using Polyethylene Glycol-Poly(lactic Acid) as a New Template. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 3077-3083.	0.9	6
42	Study on Drug Resistance to Tumor Cell in Oxygen Gradient and Co-culture Microfluidic Chip. <i>Chinese Journal of Analytical Chemistry</i> , 2020, 48, 180-186.	1.7	6
43	Isolation of three glucaric acids from <i>Leonurus japonicus</i> Houtt. by using high-speed countercurrent chromatography combined with semi-preparative high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2022, 45, 2140-2147.	2.5	6
44	Probing the degradation mechanism of forsythiaside A and simultaneous determination of three forsythiasides in <i>Forsythia</i> preparations by a single marker. <i>Journal of Separation Science</i> , 2019, 42, 3503-3511.	2.5	5
45	Rapid qualitative and quantitative analyses of anthocyanin composition in berries from the Tibetan Plateau with UPLC-quadrupole-Orbitrap MS and their antioxidant activities. <i>European Journal of Mass Spectrometry</i> , 2020, 26, 301-308.	1.0	5
46	Combined Lipidomics and Network Pharmacology Study of Protective Effects of <i>Salvia miltiorrhiza</i> against Blood Stasis Syndrome. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-13.	1.2	5
47	Prototypical Nonelectrochemical Method for Surface Regeneration of an Integrated Electrode in a PDMS Microfluidic Chip. <i>Analytical Letters</i> , 2009, 42, 1986-1996.	1.8	4
48	One-Step Preparation of Phenyl Boron-Modified Magnetic Mesoporous Silica for Selective Enrichment of cis-Diol-Containing Substances. <i>Molecules</i> , 2018, 23, 603.	3.8	4
49	pH-Dependent Water Clusters in Photoacid Solution: Real-Time Observation by ToF-SIMS at a Submicropore Confined Liquid-Vacuum Interface. <i>Frontiers in Chemistry</i> , 2020, 8, 731.	3.6	4
50	Improved ultra-high performance liquid chromatographic method for simultaneous determination of five gout-related metabolites in human serum. <i>Journal of Separation Science</i> , 2021, 44, 954-962.	2.5	4
51	Rapid determination of cysteine and chiral discrimination of D-/L-cysteine via the aggregation-induced emission enhancement of gold nanoclusters by Ag ⁺ . <i>Analytical Sciences</i> , 2022, 38, 541-551.	1.6	3
52	Introducing Chirality Concept of Single-Walled Carbon Nanotubes to High School Students and Undergraduates by Paper Origami in Their Science Projects. <i>Journal of Chemical Education</i> , 2022, 99, 2101-2106.	2.3	2
53	A three-dimensional biomimetic microfluidic chip to study the behavior of hepatic stellate cell under the tumor microenvironment. <i>Chinese Chemical Letters</i> , 2023, 34, 107573.	9.0	2
54	Simultaneous determination of the styrene unit content and assessment of molecular weight of triblock copolymers in adhesives by a size exclusion chromatography method. <i>Journal of Separation Science</i> , 2017, 40, 3987-3995.	2.5	1