Ping Hu

List of Publications by Year
in descending order

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	A three-dimensional biomimetic microfluidic chip to study the behavior of hepatic stellate cell under the tumor microenvironment. Chinese Chemical Letters, 2023, 34, 107573.	9.0	2
2	Rapid determination of cysteine and chiral discrimination of D-/L-cysteine via the aggregation-induced emission enhancement of gold nanoclusters by Ag+. Analytical Sciences, 2022, 38, 541-551.	1.6	3
3	Simultaneous quantification of eleven short-chain fatty acids by derivatization and solid phase microextraction - Gas chromatography tandem mass spectrometry. Journal of Chromatography A, 2022, 1661, 462680.	3.7	17
4	Application of Î²-Cyclodextrin metal-organic framework/titanium dioxide hybrid nanocomposite as dispersive solid-phase extraction adsorbent to organochlorine pesticide residues in honey samples. Journal of Chromatography A, 2022, 1663, 462750.	3.7	23
5	Design and fabrication of an integrated 3D dynamic multicellular liver-on-a-chip and its application in hepatotoxicity screening. Talanta, 2022, 241, 123262.	5.5	17
6	Isolation of three glucaric acids from Leonurus japonicus Houtt. by using highâ€speed countercurrent chromatography combined with semiâ€preparative highâ€performance liquid chromatography. Journal of Separation Science, 2022, 45, 2140-2147.	2.5	6
7	Introducing Chirality Concept of Single-Walled Carbon Nanotubes to High School Students and Undergraduates by Paper Origami in Their Science Projects. Journal of Chemical Education, 2022, 99, 2101-2106.	2.3	2
8	Chemical profiling and quality evaluation of Zhishi-Xiebai-Guizhi Decoction by UPLC-Q-TOF-MS and UPLC fingerprint. Journal of Pharmaceutical and Biomedical Analysis, 2021, 194, 113771.	2.8	38
9	Improved ultraâ€high performance liquid chromatographic method for simultaneous determination of five goutâ€related metabolites in human serum. Journal of Separation Science, 2021, 44, 954-962.	2.5	4
10	Combined Lipidomics and Network Pharmacology Study of Protective Effects of Salvia miltiorrhiza against Blood Stasis Syndrome. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-13.	1.2	5
11	Rapid determination of folic acid and riboflavin in urine by polypyrrole magnetic solid-phase extractant combined ultra-performance liquid chromatography. Journal of Chromatography A, 2021, 1648, 462192.	3.7	17
12	HPLC determination of massoia lactone in fermented Cordyceps sinensis mycelium Csâ€4 and its anticancer activity in vitro. Journal of Food Biochemistry, 2020, 44, e13336.	2.9	7
13	pH-Dependent Water Clusters in Photoacid Solution: Real-Time Observation by ToF-SIMS at a Submicropore Confined Liquid-Vacuum Interface. Frontiers in Chemistry, 2020, 8, 731.	3.6	4
14	Rapid qualitative and quantitative analyses of anthocyanin composition in berries from the Tibetan Plateau with UPLC-quadruple-Orbitrap MS and their antioxidant activities. European Journal of Mass Spectrometry, 2020, 26, 301-308.	1.0	5
15	A Comparative Study on Polyphenolic Composition of Berries from the Tibetan Plateau by UPLCâ€Qâ€Orbitrap MS System. Chemistry and Biodiversity, 2020, 17, e2000033.	2.1	22
16	Study on Drug Resistance to Tumor Cell in Oxygen Gradient and Co-culture Microfluidic Chip. Chinese Journal of Analytical Chemistry, 2020, 48, 180-186.	1.7	6
17	Probing the degradation mechanism of forsythiaside A and simultaneous determination of three forsythiasides in Forsythia preparations by a single marker. Journal of Separation Science, 2019, 42, 3503-3511.	2.5	5
18	Phenylboronic acid derivative-modified (6,5) single-wall carbon nanotube probes for detecting glucose and hydrogen peroxide. RSC Advances, 2019, 9, 2258-2267.	3.6	7

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19	Microfluidic co-culture of liver tumor spheroids with stellate cells for the investigation of drug resistance and intercellular interactions. Analyst, The, 2019, 144, 4233-4240.	3.5	39
20	Simultaneous quantification of urinary purines and creatinine by ultra high performance liquid chromatography with ultraviolet spectroscopy and quadrupole timeâ€ofâ€flight mass spectrometry: Method development, validation, and application to gout study. Journal of Separation Science, 2019, 42, 2523-2533.	2.5	8
21	Simultaneous extraction and determination of mono-/polyglutamyl folates using high-performance liquid chromatography-tandem mass spectrometry and its applications in starchy crops. Analytical and Bioanalytical Chemistry, 2019, 411, 2891-2904.	3.7	13
22	Hypercrosslinked strong anion-exchange polymers for selective extraction of fluoroquinolones in milk samples. Journal of Pharmaceutical and Biomedical Analysis, 2019, 166, 379-386.	2.8	17
23	A new circular-shape microfluidic network for generating gradients of multiple substances -design, demonstration and application. Sensors and Actuators B: Chemical, 2019, 283, 247-254.	7.8	8
24	Interaction study of cancer cells and fibroblasts on a spatially confined oxygen gradient microfluidic chip to investigate the tumor microenvironment. Analyst, The, 2018, 143, 5431-5437.	3.5	15
25	Design and fabrication of a liver-on-a-chip platform for convenient, highly efficient, and safe in situ perfusion culture of 3D hepatic spheroids. Lab on A Chip, 2018, 18, 2547-2562.	6.0	119
26	One-Step Preparation of Phenyl Boron-Modified Magnetic Mesoporous Silica for Selective Enrichment of cis-Diol-Containing Substances. Molecules, 2018, 23, 603.	3.8	4
27	Sphingolipidomic Profiling of Rat Serum by UPLC-Q-TOF-MS: Application to Rheumatoid Arthritis Study. Molecules, 2018, 23, 1324.	3.8	17
28	Synthesis of Mesoporous Silica-Coated Magnetic Nanocomposites Using Polyethylene Glycolâ€"Polylactic Acid as a New Template. Journal of Nanoscience and Nanotechnology, 2017, 17, 3077-3083.	0.9	6
29	Simultaneous determination of the styrene unit content and assessment of molecular weight of triblock copolymers in adhesives by a size exclusion chromatography method. Journal of Separation Science, 2017, 40, 3987-3995.	2.5	1
30	Herbal medicine Yinchenhaotang protects against Î±-naphthylisothiocyanate-induced cholestasis in rats. Scientific Reports, 2017, 7, 4211.	3.3	48
31	Radix isatidis Polysaccharides Inhibit Influenza a Virus and Influenza A Virus-Induced Inflammation via Suppression of Host TLR3 Signaling In Vitro. Molecules, 2017, 22, 116.	3.8	60
32	GC-MS Profiling of Volatile Components in Different Fermentation Products of Cordyceps Sinensis Mycelia. Molecules, 2017, 22, 1800.	3.8	24
33	Serum Metabolomic Characterization of Liver Fibrosis in Rats and Anti-Fibrotic Effects of Yin-Chen-Hao-Tang. Molecules, 2016, 21, 126.	3.8	24
34	Tartaric acid induced conversion of protopanaxadiol to ginsenosides Rg₃ and Rg₅ and their in situ recoveries by integrated expanded bed adsorption chromatography. Journal of Separation Science, 2016, 39, 2995-3001.	2.5	8
35	Hypercrosslinked strong cation-exchange polymers for selective extraction of serum purine metabolites associated with gout. Talanta, 2016, 151, 172-178.	5.5	12
36	Combination of integrated expanded bed adsorption chromatography and countercurrent chromatography for the direct extraction and purification of pseudohypericin and hypericin from St. John's wort (Hypericum perforatumÂL.). Journal of Separation Science, 2015, 38, 2588-2596.	2.5	13

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37	Two-stage fractionation of polar alkaloids from Rhizoma coptidis by countercurrent chromatography considering the strategy of reactive extraction. Journal of Chromatography A, 2015, 1378, 58-64.	3.7	11
38	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. Analytical Chemistry, 2014, 86, 3373-3379.	6.5	21
39	Integrated Expanded-Bed Ion Exchange Chromatography as a Tool for Direct Recovery of Shikimic Acid fromIllicium verum. Solvent Extraction and Ion Exchange, 2014, 32, 316-332.	2.0	20
40	Improved Sphingolipidomic Approach Based on Ultra-High Performance Liquid Chromatography and Multiple Mass Spectrometries with Application to Cellular Neurotoxicity. Analytical Chemistry, 2014, 86, 5688-5696.	6.5	43
41	Coupling of ultrasoundâ€assisted extraction and expanded bed adsorption for simplified medicinal plant processing and its theoretical model: Extraction and enrichment of ginsenosides from <scp>R</scp>adix <scp>G</scp>inseng as a case study. Journal of Separation Science, 2013, 36, 593-601.	2.5	11
42	A cellular lipidomic study on the AÎ²-induced neurotoxicity and neuroprotective effects of EGCG by using UPLC/MS-based glycerolipids profiling and multivariate analysis. Molecular BioSystems, 2012, 8, 3208.	2.9	19
43	Enriched separation of protopanaxatriol ginsenosides, malonyl ginsenosides and protopanaxadiol ginsenosides from Panax ginseng using macroporous resins. Journal of Food Engineering, 2012, 113, 577-588.	5.2	20
44	Development of a Process for Separation of Mogroside V from Siraitia grosvenorii by Macroporous Resins. Molecules, 2011, 16, 7288-7301.	3.8	12
45	Development of a strategy and process parameters for a green process in counter-current chromatography: Purification of tanshinone IIA and cryptotanshinone from Salvia miltiorrhiza Bunge as a case study. Journal of Chromatography A, 2011, 1218, 6031-6037.	3.7	15
46	Two-step preparation of ginsenoside-Re, Rb1, Rc and Rb2 from the root of Panax ginseng by high-performance counter-current chromatography. Separation and Purification Technology, 2011, 77, 347-354.	7.9	13
47	In-situ extraction and separation of salvianolic acid B from Salvia miltiorrhiza Bunge by integrated expanded bed adsorption. Separation and Purification Technology, 2011, 80, 677-682.	7.9	15
48	Selectively modified microfluidic chip for solvent extraction of Radix Salvia Miltiorrhiza using three-phase laminar flow to provide double liquidâ€“liquid interface area. Microfluidics and Nanofluidics, 2010, 9, 365-373.	2.2	37
49	A gravity-actuated technique for flexible and portable microfluidic droplet manipulation. Microfluidics and Nanofluidics, 2010, 9, 995-1001.	2.2	20
50	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. Separation and Purification Technology, 2010, 73, 397-402.	7.9	30
51	Prototypical Nonelectrochemical Method for Surface Regeneration of an Integrated Electrode in a PDMS Microfluidic Chip. Analytical Letters, 2009, 42, 1986-1996.	1.8	4
52	Metabolomic profiling of rat serum associated with isoproterenol-induced myocardial infarction using ultra-performance liquid chromatography/time-of-flight mass spectrometry and multivariate analysis. Talanta, 2009, 79, 254-259.	5.5	57
53	The retention behavior of ginsenosides in HPLC and its application to quality assessment of radix ginseng. Archives of Pharmacal Research, 2008, 31, 1265-1273.	6.3	23
54	Direct process integration of extraction and expanded bed adsorption in the recovery of crocetin derivatives from Fructus Gardenia. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 858, 220-226.	2.3	17