

Xianzhe Shi

List of Publications by Year in Descending Order

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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.

40
papers

855
citations

17
h-index

28
g-index

43
ext. papers

987
ext. citations

4.7
avg, IF

4.41
L-index

#	Paper	IF	Citations
40	Lipid Profiling of 20 Mammalian Cells by Capillary Microsampling Combined with High-Resolution Spectral Stitching Nanoelectrospray Ionization Direct-Infusion Mass Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 10031-10038	7.8	0
39	Recent development of nanoparticle-assisted metabolites analysis with mass spectrometry. <i>Journal of Chromatography A</i> , 2021 , 1636, 461785	4.5	4
38	Facile Synthesis of Antibody-Coupled Polydopamine-Coated Magnetic Graphene Oxide Composites for Efficient Immunopurification and Metabolomics Analysis of Mitochondria. <i>Analytical Chemistry</i> , 2021 , 93, 11099-11107	7.8	2
37	Untargeted Defining Protein-Metabolites Interaction Based on Label-Free Kinetic Size Exclusion Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 7657-7665	7.8	1
36	Synthesis of metal-organic framework-5@chitosan material for the analysis of microcystins and nodularin based on ultra-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020 , 1623, 461198	4.5	4
35	Single-cell Metabolomics Analysis by Microfluidics and Mass Spectrometry: Recent New Advances. <i>Journal of Analysis and Testing</i> , 2020 , 4, 198-209	3.2	16
34	Pseudotargeted Method Based on Parallel Column Two-Dimensional Liquid Chromatography-Mass Spectrometry for Broad Coverage of Metabolome and Lipidome. <i>Analytical Chemistry</i> , 2020 , 92, 6043-6050	7.8	17
33	Parallel derivatization strategy coupled with liquid chromatography-mass spectrometry for broad coverage of steroid hormones. <i>Journal of Chromatography A</i> , 2020 , 1614, 460709	4.5	12
32	Alternate reversed-phase and hydrophilic interaction liquid chromatography coupled with mass spectrometry for broad coverage in metabolomics analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1152, 122266	3.2	3
31	Rational Synthesis of Aptamer-Functionalized Polyethylenimine-Modified Magnetic Graphene Oxide Composites For Highly Efficient Enrichment and Comprehensive Metabolomics Analysis of Exosomes. <i>Analytical Chemistry</i> , 2020 , 92, 15497-15505	7.8	11
30	Multidimensional liquid chromatography-mass spectrometry for metabolomic and lipidomic analyses. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115302	14.6	33
29	Modified metabolites mapping by liquid chromatography-high resolution mass spectrometry using full scan/all ion fragmentation/neutral loss acquisition. <i>Journal of Chromatography A</i> , 2019 , 1583, 80-87	4.5	18
28	A comprehensive strategy for studying protein-metabolite interactions by metabolomics and native mass spectrometry. <i>Talanta</i> , 2019 , 194, 63-72	6.2	12
27	Carboxymethylated polyethylenimine modified magnetic nanoparticles specifically for purification of His-tagged protein. <i>Journal of Separation Science</i> , 2019 , 42, 744-753	3.4	7
26	Surface-bonded amide-functionalized imidazolium ionic liquid as stationary phase for hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , 2018 , 1559, 141-148	4.5	27
25	Molecular interaction study of flavonoids with human serum albumin using native mass spectrometry and molecular modeling. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 827-837	4.4	16
24	Synthesis of magnetic mesoporous metal-organic framework-5 for the effective enrichment of malachite green and crystal violet in fish samples. <i>Journal of Chromatography A</i> , 2018 , 1560, 19-25	4.5	33

23	Online Three Dimensional Liquid Chromatography/Mass Spectrometry Method for the Separation of Complex Samples. <i>Analytical Chemistry</i> , 2017 , 89, 1433-1438	7.8	17
22	Simultaneous metabolomics and lipidomics analysis based on novel heart-cutting two-dimensional liquid chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2017 , 966, 34-40	6.6	38
21	Comprehensive Analysis of Short-, Medium-, and Long-Chain Acyl-Coenzyme A by Online Two-Dimensional Liquid Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 12902-12908	7.8	16
20	Highly efficient solid-phase derivatization of sugar phosphates with titanium-immobilized hydrophilic polydopamine-coated silica. <i>Journal of Chromatography A</i> , 2016 , 1457, 125-33	4.5	7
19	Preparation of mesoporous SiO ₂ @azobenzene-COOH chemoselective nanoprobe for comprehensive mapping of amino metabolites in human serum. <i>Chemical Communications</i> , 2015 , 51, 11321-4	5.8	4
18	Preparation and evaluation of surface-bonded tricationic ionic liquid silica as stationary phases for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2015 , 1396, 62-71	4.5	30
17	Recent development of ionic liquid stationary phases for liquid chromatography. <i>Journal of Chromatography A</i> , 2015 , 1420, 1-15	4.5	56
16	On-line stop-flow two-dimensional liquid chromatography-mass spectrometry method for the separation and identification of triterpenoid saponins from ginseng extract. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 331-41	4.4	34
15	Facile synthesis of Fe ₃ O ₄ @polyethyleneimine modified with 4-formylphenylboronic acid for the highly selective extraction of major catecholamines from human urine. <i>Journal of Separation Science</i> , 2015 , 38, 2857-64	3.4	15
14	Preparation and evaluation of a novel hybrid monolithic column based on pentafluorobenzyl imidazolium bromide ionic liquid. <i>Journal of Chromatography A</i> , 2015 , 1375, 101-9	4.5	45
13	Novel affinity monolithic column modified with cuprous sulfide nanoparticles for the selective enrichment of low-molecular-weight electron-rich analytes. <i>Journal of Separation Science</i> , 2015 , 38, 982-9	3.4	5
12	Study of surface-bonded dicationic ionic liquids as stationary phases for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2014 , 1330, 40-50	4.5	34
11	A novel surface-confined glucaminium-based ionic liquid stationary phase for hydrophilic interaction/anion-exchange mixed-mode chromatography. <i>Journal of Chromatography A</i> , 2014 , 1360, 240-7	4.5	63
10	Comprehensive two-dimensional chromatography for analyzing complex samples: recent new advances. <i>Analytical Methods</i> , 2014 , 6, 7112-7123	3.2	30
9	A novel stop-flow two-dimensional liquid chromatography-mass spectrometry method for lipid analysis. <i>Journal of Chromatography A</i> , 2013 , 1321, 65-72	4.5	51
8	Synthesis of a new type of echinus-like Fe ₃ O ₄ @TiO ₂ core-shell-structured microspheres and their applications in selectively enriching phosphopeptides and removing phospholipids. <i>Journal of Chromatography A</i> , 2013 , 1275, 9-16	4.5	21
7	On-line two dimensional liquid chromatography/mass spectrometry for the analysis of triacylglycerides in peanut oil and mouse tissue. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 895-896, 48-55	3.2	34
6	A fully automated system with on-line micro solid-phase extraction combined with capillary liquid chromatography-tandem mass spectrometry for high throughput analysis of microcystins and nodularin-R in tap water and lake water. <i>Journal of Chromatography A</i> , 2011 , 1218, 1743-8	4.5	33

5	Urinary metabonomic study of lung cancer by a fully automatic hyphenated hydrophilic interaction/RPLC-MS system. <i>Journal of Separation Science</i> , 2010 , 33, 1495-503	3.4	64
4	Methylation analysis of hMLH1 gene promoter by a bisulfite-sensitive single-strand conformation polymorphism-capillary electrophoresis method. <i>Biomedical Chromatography</i> , 2006 , 20, 815-20	1.7	11
3	Simultaneous analysis of microsatellite instability and loss of heterozygosity by capillary electrophoresis with a homemade kit. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006 , 834, 122-7	3.2	5
2	A single-strand conformation polymorphism method by capillary electrophoresis with laser-induced fluorescence for detection of the T1151A mutation in hMLH1 gene. <i>Electrophoresis</i> , 2003 , 24, 2316-21	3.6	12
1	Enhancing the sensitivity of capillary electrophoresis using a microcolumn solid phase extraction setup. <i>Journal of Separation Science</i> , 2003 , 26, 1527-1532	3.4	12