

# Xianzhe Shi

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,122  
citations

331670

21  
h-index

395702

33  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1544  
citing authors

#	ARTICLE	IF	CITATIONS
1	Urinary metabonomic study of lung cancer by a fully automatic hyphenated hydrophilic interaction/RPLC-MS system. <i>Journal of Separation Science</i> , 2010, 33, 1495-1503.	2.5	79
2	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, 240-247.	3.7	73
3	Recent development of ionic liquid stationary phases for liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1420, 1-15.	3.7	70
4	A novel stop-flow two-dimensional liquid chromatography-mass spectrometry method for lipid analysis. <i>Journal of Chromatography A</i> , 2013, 1321, 65-72.	3.7	58
5	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.	5.4	51
6	Preparation and evaluation of a novel hybrid monolithic column based on pentafluorobenzyl imidazolium bromide ionic liquid. <i>Journal of Chromatography A</i> , 2015, 1375, 101-109.	3.7	48
7	Multidimensional liquid chromatography-mass spectrometry for metabolomic and lipidomic analyses. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115302.	11.4	46
8	Study of surface-bonded dicationic ionic liquids as stationary phases for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2014, 1330, 40-50.	3.7	41
9	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.	3.7	41
10	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.	3.7	41
11	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, 331-341.	3.7	39
12	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, 1743-1748.	3.7	38
13	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.	3.7	37
14	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.	2.3	36
15	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.	3.7	35
16	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.	6.5	34
17	Comprehensive two-dimensional chromatography for analyzing complex samples: recent new advances. <i>Analytical Methods</i> , 2014, 6, 7112-7123.	2.7	32
18	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.	6.5	25

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19	Single-cell Metabolomics Analysis by Microfluidics and Mass Spectrometry: Recent New Advances. <i>Journal of Analysis and Testing</i> , 2020, 4, 198-209.	5.1	25
20	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.	6.5	24
21	Synthesis of a new type of echinus-like Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> core-shell-structured microspheres and their applications in selectively enriching phosphopeptides and removing phospholipids. <i>Journal of Chromatography A</i> , 2013, 1275, 9-16.	3.7	22
22	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.	3.7	22
23	Facile synthesis of Fe <sub>3</sub> O <sub>4</sub> @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, 2857-2864.	2.5	21
24	Parallel derivatization strategy coupled with liquid chromatography-mass spectrometry for broad coverage of steroid hormones. <i>Journal of Chromatography A</i> , 2020, 1614, 460709.	3.7	21
25	Online Three Dimensional Liquid Chromatography/Mass Spectrometry Method for the Separation of Complex Samples. <i>Analytical Chemistry</i> , 2017, 89, 1433-1438.	6.5	19
26	Carboxymethylated polyethylenimine modified magnetic nanoparticles specifically for purification of His-tagged protein. <i>Journal of Separation Science</i> , 2019, 42, 744-753.	2.5	18
27	A comprehensive strategy for studying protein-metabolite interactions by metabolomics and native mass spectrometry. <i>Talanta</i> , 2019, 194, 63-72.	5.5	16
28	Enhancing the sensitivity of capillary electrophoresis using a microcolumn solid phase extraction setup. <i>Journal of Separation Science</i> , 2003, 26, 1527-1532.	2.5	13
29	Methylation analysis of hMLH1 gene promoter by a bisulfite-sensitive single-strand conformation polymorphism-capillary electrophoresis method. <i>Biomedical Chromatography</i> , 2006, 20, 815-820.	1.7	13
30	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.	3.7	13
31	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, 2316-2321.	2.4	12
32	Highly efficient solid-phase derivatization of sugar phosphates with titanium-immobilized hydrophilic polydopamine-coated silica. <i>Journal of Chromatography A</i> , 2016, 1457, 125-133.	3.7	11
33	Preparation of mesoporous SiO <sub>2</sub> @azobenzene-COOH chemoselective nanoprobes for comprehensive mapping of amino metabolites in human serum. <i>Chemical Communications</i> , 2015, 51, 11321-11324.	4.1	9
34	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, 122-127.	2.3	7
35	Recent development of nanoparticle-assisted metabolites analysis with mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1636, 461785.	3.7	7
36	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, 982-989.	2.5	6

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37	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.	2.3	5
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.	6.5	5
39	Lipid Profiling of 20 Mammalian Cells by Capillary Microsampling Combined with High-Resolution Spectral Stitching Nano-electrospray Ionization Direct-Infusion Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 10031-10038.	6.5	4
40	Untargeted Defining Protein-Metabolites Interaction Based on Label-Free Kinetic Size Exclusion Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 7657-7665.	6.5	1