

# Chunxia

## List of Publications by Year in descending order

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36  
papers

1,017  
citations

394286

19  
h-index

434063

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1544  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive investigation of tobacco leaves during natural early senescence via multi-platform metabolomics analyses. <i>Scientific Reports</i> , 2016, 6, 37976.	1.6	93
2	Comprehensive Strategy to Construct In-House Database for Accurate and Batch Identification of Small Molecular Metabolites. <i>Analytical Chemistry</i> , 2018, 90, 7635-7643.	3.2	90
3	A metabolomics study delineating geographical location-associated primary metabolic changes in the leaves of growing tobacco plants by GC-MS and CE-MS. <i>Scientific Reports</i> , 2015, 5, 16346.	1.6	74
4	Metabolic profiling based on LC/MS to evaluate unintended effects of transgenic rice with cry1Ac and sck genes. <i>Plant Molecular Biology</i> , 2012, 78, 477-487.	2.0	64
5	Oral secretions from <i>Mythimna separata</i> insects specifically induce defence responses in maize as revealed by high-dimensional biological data. <i>Plant, Cell and Environment</i> , 2016, 39, 1749-1766.	2.8	61
6	Deep Annotation of Hydroxycinnamic Acid Amides in Plants Based on Ultra-High-Performance Liquid Chromatography-High-Resolution Mass Spectrometry and Its In Silico Database. <i>Analytical Chemistry</i> , 2018, 90, 14321-14330.	3.2	54
7	Transcriptomics and Alternative Splicing Analyses Reveal Large Differences between Maize Lines B73 and Mo17 in Response to Aphid <i>Rhopalosiphum padi</i> Infestation. <i>Frontiers in Plant Science</i> , 2017, 8, 1738.	1.7	47
8	The Application of Chromatography-Mass Spectrometry: Methods to Metabonomics. <i>Chromatographia</i> , 2009, 69, 23-32.	0.7	41
9	Nontargeted Screening Method for Illegal Additives Based on Ultrahigh-Performance Liquid Chromatography-High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 8870-8877.	3.2	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.	1.8	41
11	Ultra-high capacity liquid chromatography chip/quadrupole time-of-flight mass spectrometry for pharmaceutical analysis. <i>Journal of Chromatography A</i> , 2011, 1218, 3669-3674.	1.8	34
12	High-sensitivity detection of biogenic amines with multiple reaction monitoring in fish based on benzoyl chloride derivatization. <i>Journal of Chromatography A</i> , 2016, 1465, 30-37.	1.8	33
13	Metabolic Profiling with Gas Chromatography-Mass Spectrometry and Capillary Electrophoresis-Mass Spectrometry Reveals the Carbon-Nitrogen Status of Tobacco Leaves Across Different Planting Areas. <i>Journal of Proteome Research</i> , 2016, 15, 468-476.	1.8	32
14	A Novel Strategy for Large-Scale Metabolomics Study by Calibrating Gross and Systematic Errors in Gas Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 2234-2242.	3.2	28
15	Study of polar metabolites in tobacco from different geographical origins by using capillary electrophoresis-mass spectrometry. <i>Metabolomics</i> , 2014, 10, 805-815.	1.4	27
16	Metabolic changes in primary, secondary, and lipid metabolism in tobacco leaf in response to topping. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 839-851.	1.9	25
17	A simultaneous extraction method for metabolome and lipidome and its application in cry1Ac and sck-transgenic rice leaf treated with insecticide based on LC-MS analysis. <i>Metabolomics</i> , 2014, 10, 1197-1209.	1.4	24
18	Screening and Determination of Potential Risk Substances Based on Liquid Chromatography-High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 8454-8461.	3.2	23

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19	Lipidome and metabolome analysis of fresh tobacco leaves in different geographical regions using liquid chromatography–mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5009-5020.	1.9	20
20	An alignment algorithm for LC-MS-based metabolomics dataset assisted by MS/MS information. <i>Analytica Chimica Acta</i> , 2017, 990, 96-102.	2.6	17
21	Metabolic responses of rice leaves and seeds under transgenic backcross breeding and pesticide stress by pseudotargeted metabolomics. <i>Metabolomics</i> , 2015, 11, 1802-1814.	1.4	16
22	Chip-based nanoflow high performance liquid chromatography coupled to mass spectrometry for profiling of soybean flavonoids. <i>Electrophoresis</i> , 2012, 33, 2399-2406.	1.3	15
23	Nontargeted screening method for veterinary drugs and their metabolites based on fragmentation characteristics from ultrahigh-performance liquid chromatography-high-resolution mass spectrometry. <i>Food Chemistry</i> , 2022, 369, 130928.	4.2	15
24	Liquid chromatography/mass spectrometry-based metabolic profiling to elucidate chemical differences of tobacco leaves between Zimbabwe and China. <i>Journal of Separation Science</i> , 2011, 34, 119-126.	1.3	14
25	Quantitative structure-retention relationships model for retention time prediction of veterinary drugs in food matrixes. <i>International Journal of Mass Spectrometry</i> , 2018, 434, 172-178.	0.7	14
26	Detection of K-ras exon 1 mutations by constant denaturant capillary electrophoresis. <i>Biomedical Chromatography</i> , 2004, 18, 538-541.	0.8	13
27	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.	1.8	13
28	Sample-directed pseudotargeted method for the metabolic profiling analysis of rice seeds based on liquid chromatography with mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 247-255.	1.3	10
29	Metabolomics insights into the prenatal exposure effects of polybrominated diphenyl ethers on neonatal birth outcomes. <i>Science of the Total Environment</i> , 2022, 836, 155601.	3.9	9
30	Rapid identification of pathogenic bacteria by capillary electrophoretic analysis of rRNA genes. <i>Journal of Separation Science</i> , 2005, 28, 513-521.	1.3	8
31	A rapid GC method coupled with quadrupole or time of flight mass spectrometry for metabolomics analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1160, 122355.	1.2	7
32	Fluorescent-based Single-strand Conformation Polymorphism/Heteroduplex Capillary Electrophoretic Mutation Analysis of the P53 Gene. <i>Analytical Sciences</i> , 2004, 20, 1001-1005.	0.8	6
33	Simultaneous genotyping of multiplex single nucleotide polymorphisms of the K-ras gene with a home-made kit. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 795, 55-60.	1.2	5
34	Protein profiling analysis based on matrix-assisted laser desorption/ionization-Fourier transform ion cyclotron resonance mass spectrometry and its application in typing <i>Streptomyces</i> isolates. <i>Talanta</i> , 2020, 208, 120439.	2.9	1
35	Untargeted Defining Protein–Metabolites Interaction Based on Label-Free Kinetic Size Exclusion Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 7657-7665.	3.2	1
36	Nontargeted screening of veterinary drugs and their metabolites in milk based on mass defect filtering using liquid chromatography–high-resolution mass spectrometry. <i>Electrophoresis</i> , 2022, 43, 1822-1831.	1.3	1