

Qinhua Chen

List of Publications by Year in descending order

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71
papers

1,463
citations

331670

21
h-index

377865

34
g-index

76
all docs

76
docs citations

76
times ranked

1762
citing authors

#	ARTICLE	IF	CITATIONS
1	Online photochemical derivatization enables comprehensive mass spectrometric analysis of unsaturated phospholipid isomers. <i>Nature Communications</i> , 2019, 10, 79.	12.8	133
2	Large-scale lipid analysis with C=C location and sn-position isomer resolving power. <i>Nature Communications</i> , 2020, 11, 375.	12.8	117
3	Development of a liquid chromatography–mass spectrometry method for the determination of ursolic acid in rat plasma and tissue: Application to the pharmacokinetic and tissue distribution study. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2877-2884.	3.7	80
4	Comprehensive expression analysis of Arabidopsis GA2-oxidase genes and their functional insights. <i>Plant Science</i> , 2019, 285, 1-13.	3.6	68
5	A lipidomic workflow capable of resolving sn- and C=C location isomers of phosphatidylcholines. <i>Chemical Science</i> , 2019, 10, 10740-10748.	7.4	55
6	Identification and quantification of oleanolic acid and ursolic acid in Chinese herbs by liquid chromatography-ion trap mass spectrometry. <i>Biomedical Chromatography</i> , 2011, 25, 1381-1388.	1.7	48
7	A fluorescent biosensor for cardiac biomarker myoglobin detection based on carbon dots and deoxyribonuclease I-aided target recycling signal amplification. <i>RSC Advances</i> , 2019, 9, 4463-4468.	3.6	38
8	Assembly and Annotation of a Draft Genome of the Medicinal Plant <i>Polygonum cuspidatum</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1274.	3.6	36
9	Analysis of yohimbine alkaloid from <i>Pausinystalia yohimbe</i> by non-aqueous capillary electrophoresis and gas chromatography–mass spectrometry. <i>Journal of Separation Science</i> , 2008, 31, 2211-2218.	2.5	34
10	Separation, identification, and quantification of active constituents in Fructus Psoraleae by high-performance liquid chromatography with UV, ion trap mass spectrometry, and electrochemical detection. <i>Journal of Pharmaceutical Analysis</i> , 2012, 2, 143-151.	5.3	34
11	Identification and quantification of atractylenolide I and atractylenolide III in Rhizoma Atractylodes Macrocephala by liquid chromatography–ion trap mass spectrometry. <i>Biomedical Chromatography</i> , 2013, 27, 699-707.	1.7	31
12	Simultaneous determination of vinblastine and its monomeric precursors vindoline and catharanthine in <i>Catharanthus roseus</i> by capillary electrophoresis–mass spectrometry. <i>Journal of Separation Science</i> , 2011, 34, 2885-2892.	2.5	30
13	A Polymer Coating Transfer Enrichment Method for Direct Mass Spectrometry Analysis of Lipids in Biofluid Samples. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6064-6069.	13.8	30
14	Supercritical fluid extraction for identification and determination of volatile metabolites from <i>Angelica dahurica</i> by GC–MS. <i>Journal of Separation Science</i> , 2008, 31, 3218-3224.	2.5	29
15	A capillary gas chromatography-selected ion monitoring mass spectrometry method for the analysis of atractylenolide I in rat plasma and tissues, and application in a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 863, 215-222.	2.3	28
16	Identification and quantification of active alkaloids in <i>Catharanthus roseus</i> by liquid chromatography–ion trap mass spectrometry. <i>Food Chemistry</i> , 2013, 139, 845-852.	8.2	28
17	An electrochemical aptasensing platform for carbohydrate antigen 125 based on the use of flower-like gold nanostructures and target-triggered strand displacement amplification. <i>Mikrochimica Acta</i> , 2019, 186, 388.	5.0	28
18	Immunoassay-type biosensor based on magnetic nanoparticle capture and the fluorescence signal formed by horseradish peroxidase catalysis for tumor-related exosome determination. <i>Mikrochimica Acta</i> , 2020, 187, 282.	5.0	27

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19	An ultrasensitive electrochemical sensing platform for the detection of cTnI based on aptamer recognition and signal amplification assisted by TdT. <i>RSC Advances</i> , 2020, 10, 36396-36403.	3.6	26
20	Recent advances in, and challenges of, anti-angiogenesis agents for tumor chemotherapy based on vascular normalization. <i>Drug Discovery Today</i> , 2021, 26, 2743-2753.	6.4	25
21	Analysis of active alkaloids in the Menispermaceae family by nonaqueous capillary electrophoresis-ion trap mass spectrometry. <i>Journal of Separation Science</i> , 2013, 36, 341-349.	2.5	24
22	Development and validation of a gas chromatography-mass spectrometry method for the determination of isoimperatorin in rat plasma and tissue: Application to the pharmacokinetic and tissue distribution study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 852, 473-478.	2.3	23
23	A novel GC-MS method for determination of chrysophanol in rat plasma and tissues: Application to the pharmacokinetics, tissue distribution and plasma protein binding studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 973, 76-83.	2.3	22
24	CRISPR/Cas12a-based electrochemical biosensor for highly sensitive detection of cTnI. <i>Bioelectrochemistry</i> , 2022, 146, 108167.	4.6	22
25	Identification of volatile compounds of <i>Atractylode lancea</i> Rhizoma using supercritical fluid extraction and GC-MS. <i>Journal of Separation Science</i> , 2009, 32, 3152-3156.	2.5	21
26	The inhibitory effect of piperine from <i>Fructus piperis</i> extract on the degranulation of RBL-2H3 cells. <i>FÄ-toterapÄ-Äç</i> , 2014, 99, 218-226.	2.2	20
27	Development and validation of a gas chromatography-mass spectrometry method for the determination of phenazopyridine in rat plasma: application to the pharmacokinetic study. <i>Biopharmaceutics and Drug Disposition</i> , 2007, 28, 439-444.	1.9	19
28	Identification and quantification of the volatile constituents in <i>Cnidium monnieri</i> using supercritical fluid extraction followed by GC-MS. <i>Journal of Separation Science</i> , 2009, 32, 252-257.	2.5	18
29	Ultrasensitive amperometric aptasensor for the epithelial cell adhesion molecule by using target-driven toehold-mediated DNA recycling amplification. <i>Mikrochimica Acta</i> , 2018, 185, 202.	5.0	18
30	Sensitive determination of four camptothecins by solid-phase microextraction-HPLC based on a boronic acid contained polymer monolithic layer. <i>Analytica Chimica Acta</i> , 2015, 879, 41-47.	5.4	16
31	Monogenic, Polygenic, and MicroRNA Markers for Ischemic Stroke. <i>Molecular Neurobiology</i> , 2019, 56, 1330-1343.	4.0	16
32	Nonaqueous CE for Rapid and Sensitive Determination of Matrine and Oxymatrine in <i>Sophora flavescens</i> and Its Medicinal Preparations. <i>Chromatographia</i> , 2009, 69, 1443-1446.	1.3	15
33	Ultrasensitive fluorescent aptasensor for MUC1 detection based on deoxyribonuclease I-aided target recycling signal amplification. <i>RSC Advances</i> , 2018, 8, 32009-32015.	3.6	15
34	Sensitive Capillary GC-MS-SIM Determination of Atractylenolide I and Atractylenolide III in <i>atractylodes macrocephala</i> . <i>Analytical Letters</i> , 2009, 42, 2547-2555.	1.8	14
35	Construction of electrochemical aptasensor of carcinoembryonic antigen based on toehold-aided DNA recycling signal amplification. <i>Bioelectrochemistry</i> , 2020, 133, 107492.	4.6	14
36	A Silica Monolithic Column with Chemically Bonded L-Pipecolic Acid as Chiral Stationary Phase for Enantiomeric Separation of Dansyl Amino Acids by CE-MS. <i>Chromatographia</i> , 2012, 75, 289-296.	1.3	13

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37	Ultrasensitive fluorescent aptasensor for CRP detection based on the RNase H assisted DNA recycling signal amplification strategy. <i>RSC Advances</i> , 2019, 9, 11960-11967.	3.6	13
38	Immunoassay-aptasensor for the determination of tumor-derived exosomes based on the combination of magnetic nanoparticles and hybridization chain reaction. <i>RSC Advances</i> , 2021, 11, 4983-4990.	3.6	13
39	Identification of Sinomenine from <i>Sinomenium actum</i> and Its Simultaneous Quantitation by GC-MS and Non-Aqueous CE. <i>Chromatographia</i> , 2010, 71, 447-454.	1.3	11
40	Nonaqueous capillary electrophoresis conditions for the simultaneous separation of eight alpha-adrenergic blocking agents. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 937-942.	3.7	11
41	Enzyme-free ultrasensitive fluorescence detection of epithelial cell adhesion molecules based on a toehold-aided DNA recycling amplification strategy. <i>RSC Advances</i> , 2018, 8, 14798-14805.	3.6	11
42	Ultrasensitive enzyme-free fluorescent detection of VEGF ₁₆₅ based on target-triggered hybridization chain reaction amplification. <i>RSC Advances</i> , 2018, 8, 25955-25960.	3.6	11
43	Activity-based proteomic profiling: application of releasable linker in photoaffinity probes. <i>Drug Discovery Today</i> , 2020, 25, 133-140.	6.4	11
44	Determination of miRNA derived from exosomes of prostate cancer via toehold-aided cyclic amplification combined with HRP enzyme catalysis and magnetic nanoparticles. <i>Analytical Biochemistry</i> , 2021, 630, 114336.	2.4	11
45	Highly sensitive exonuclease III-assisted fluorometric determination of silver(I) based on graphene oxide and self-hybridization of cytosine-rich ss-DNA. <i>Mikrochimica Acta</i> , 2016, 183, 1659-1665.	5.0	10
46	Shotgun Analysis of Diacylglycerols Enabled by Thiol-ene Click Chemistry. <i>Analytical Chemistry</i> , 2018, 90, 5239-5246.	6.5	10
47	Discovery of novel anti-angiogenesis agents. Part 9: Multiplex inhibitors suppressing compensatory activations of RTKs. <i>European Journal of Medicinal Chemistry</i> , 2019, 164, 440-447.	5.5	10
48	Identification and Quantification of Four Anthraquinones in Rhubarb and its Preparations by Gas Chromatography-Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2018, 56, 195-201.	1.4	9
49	A GC-MS-SIM Simultaneous Determination of Ligustilide and Butylidenephthalide from <i>Ligusticum chuanxiong</i> Using SFE. <i>Chromatographia</i> , 2010, 72, 963-967.	1.3	8
50	Enhancing sensitivity of liquid chromatographic/ion-trap mass spectrometric determination of jasmonic acid by derivatization with N,N'-dicyclohexylcarbodiimide. <i>Analyst</i> , 2012, 137, 5436.	3.5	8
51	PEEK tube-based online solid-phase microextraction-high-performance liquid chromatography for the determination of yohimbine in rat plasma and its application in pharmacokinetics study. <i>Biomedical Chromatography</i> , 2017, 31, e3866.	1.7	8
52	Activity-based proteomic profiling: The application of photoaffinity probes in the target identification of bioactive molecules. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 115, 110-120.	11.4	8
53	Rhopaladins' analogue (E)-2-aryl-4-(4-fluorobenzylidene)-5-oxopyrrolidines inhibit proliferation, promote apoptosis and down-regulation of E6/E7 mRNA in cervical cancer. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127554.	2.2	8
54	Comparative Validations of Capillary Electrophoresis and High-Performance Liquid Chromatography Methods for the Simultaneous Determination of Five Anthraquinones in Compound Rhubarb Enema. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 942-947.	1.0	7

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55	Validated Method for the Quantification of Atractylenolide III in Different Processed Products of Rhizoma Atractylodes Macrocephalae. <i>Phytochemical Analysis</i> , 2011, 22, 10-13.	2.4	6
56	Preclinical pharmacokinetic analysis of armillarisin succinate ester in mouse plasma and tissues by LC-MS/MS. <i>Biomedical Chromatography</i> , 2013, 27, 130-136.	1.7	6
57	Simple and fast determination of reserpine and yohimbine from <i>Rauvolfia yunnanensis</i> by nonaqueous capillary electrophoresis. <i>Analytical Methods</i> , 2013, 5, 3347.	2.7	6
58	Characterization and quantification of 10-hydroxycamptothecin in <i>Camptotheca acuminata</i> and its medicinal preparation by liquid chromatography-ion trap mass spectrometry. <i>Biomedical Chromatography</i> , 2013, 27, 1615-1620.	1.7	6
59	Insight Into Bioactive Hydrogels for Wound Healing and Drug Delivery Systems. <i>Current Medicinal Chemistry</i> , 2021, 28, 8692-8710.	2.4	5
60	Research Progress and Application of Bioorthogonal Reactions in Biomolecular Analysis and Disease Diagnosis. <i>Topics in Current Chemistry</i> , 2021, 379, 39.	5.8	5
61	A Polymer Coating Transfer Enrichment Method for Direct Mass Spectrometry Analysis of Lipids in Biofluid Samples. <i>Angewandte Chemie</i> , 2019, 131, 6125-6130.	2.0	4
62	Utilizing DNase I and graphene oxide modified magnetic nanoparticles for sensing PD-L1 in human plasma. <i>Sensor Review</i> , 2021, 41, 229-234.	1.8	4
63	A highly sensitive electrochemical aptasensor for vascular endothelial growth factor detection based on toehold-mediated strand displacement reaction. <i>Analytical Methods</i> , 2021, 13, 4934-4940.	2.7	4
64	Development of a method for comprehensive and quantitative analysis of armillarisin succinate ester in its medicinal preparations by liquid chromatography-ion trap mass spectrometry. <i>Die Pharmazie</i> , 2011, 66, 648-53.	0.5	4
65	Systematic Qualitative and Quantitative Analyses of Wenxin Granule via Ultra-High Performance Liquid Chromatography Coupled with Ion Mobility Quadrupole Time-of-Flight Mass Spectrometry and Triple Quadrupole-Linear Ion Trap Mass Spectrometry. <i>Molecules</i> , 2022, 27, 3647.	3.8	4
66	Simultaneous determination of five anti-epilepsy drugs in human plasma using liquid chromatography-mass spectrometry. <i>Science China Chemistry</i> , 2010, 53, 2373-2378.	8.2	3
67	CHARACTERIZATION AND QUANTIFICATION OF PRIM-O-GLUCOSYL CIMPICIFUGIN IN THE ROOTS OF <i>SAPOSHNIKOVIA DIVARICATA</i> AND ITS MEDICINAL PREPARATIONS BY LIQUID CHROMATOGRAPHY-ION TRAP MASS SPECTROMETRY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 1586-1596.	1.0	3
68	A GC-SIM-MS Method for the Determination of Butylidenephthalide in Rat Plasma and Tissue: Application to the Pharmacokinetic and Tissue Distribution Study. <i>Analytical Letters</i> , 2008, 41, 1975-1987.	1.8	2
69	RAPID AND SIMPLE QUANTITATIVE DETERMINATION OF ATRACTYLENOLIDE I AND ATRACTYLENOLIDE III IN ATRACTYLODES MACROCEPHALA AND ITS DIFFERENT PROCESSED PRODUCTS BY CAPILLARY ZONE ELECTROPHORESIS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2014, 37, 221-229.	1.0	2
70	Simultaneous determination of camptothecin and 10-hydroxycamptothecin in the <i>Camptotheca acuminata</i> , its medicinal preparation and in rat plasma by liquid chromatography with fluorescence detection. <i>Biomedical Chromatography</i> , 2015, 29, 1522-1526.	1.7	2
71	Sensitive determination of yohimbine in plasma by micropipette tip-based poly(methacrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Chromatography and Related Technologies, 2017, 40, 428-434.	1.0	0