Shu Liu

List of Publications by Year
in descending order

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156 papers	2,614 citations	218677 26 h-index	289244 40 g-index
156 all docs	156 docs citations	156 times ranked	2786 citing authors

#	Article	IF	Citations
1	Experimental and Theoretical Differential Cross Sections for a Four-Atom Reaction: HD + OH â† ' H ₂ O + D. Science, 2011, 333, 440-442.	12.6	152
2	Chemical profiling of Wu-tou decoction by UPLCâ€"Q-TOF-MS. Talanta, 2014, 118, 21-29.	5.5	90
3	Systematically characterize the absorbed effective substances of Wutou Decoction and their metabolic pathways in rat plasma using UHPLC-Q-TOF-MS combined with a target network pharmacological analysis. Journal of Pharmaceutical and Biomedical Analysis, 2017, 141, 95-107.	2.8	61
4	A strategy for identification and structural characterization of compounds from Gardenia jasminoides by integrating macroporous resin column chromatography and liquid chromatography-tandem mass spectrometry combined with ion-mobility spectrometry. Journal of Chromatography A, 2016, 1452, 47-57.	3.7	59
5	Metabonomic study of Wu-tou decoction in adjuvant-induced arthritis rat using ultra-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 953-954, 11-19.	2.3	57
6	Cell metabolomics reveals the neurotoxicity mechanism of cadmium in PC12 cells. Ecotoxicology and Environmental Safety, 2018, 147, 26-33.	6.0	54
7	Screening and Determination for Potential Î±â€Glucosidase Inhibitors from Leaves of Acanthopanax senticosus Harms by Using UFâ€LC/MS and ESIâ€MSⁿ. Phytochemical Analysis, 2012, 23, 315-323.	2.4	53
8	Time-dependent wave packet theory for state-to-state differential cross sections of four-atom reactions in full dimensions: Application to the HD + OH â† ' H2O + D reaction. Journal of Chemical Physics, 2012, 136, 144302.	3.0	51
9	Ultrahigh performance liquid chromatographyâ€"triple quadrupole mass spectrometry inhibitors fishing assay: A novel method for simultaneously screening of xanthine oxidase inhibitor and superoxide anion scavenger in a single analysis. Analytica Chimica Acta, 2012, 715, 64-70.	5.4	50
10	Communication: A six-dimensional state-to-state quantum dynamics study of the H + CH4 â† ' H2 + CH3 reaction (J = 0). Journal of Chemical Physics, 2013, 138, 011101.	3.0	49
11	Determination of dopamine, serotonin, biosynthesis precursors and metabolites in rat brain microdialysates by ultrasonic-assisted in situ derivatizationâ€"dispersive liquidâ€"liquid microextraction coupled with UHPLC-MS/MS. Talanta, 2016, 161, 253-264.	5.5	43
12	Superoxide generated by pyrogallol reduces highly water-soluble tetrazolium salt to produce a soluble formazan: A simple assay for measuring superoxide anion radical scavenging activities of biological and abiological samples. Analytica Chimica Acta, 2013, 793, 53-60.	5.4	41
13	Accuracy of the centrifugal sudden approximation in the H + CHD3 â† ' H2 + CD3 reaction. Journal of Chemical Physics, 2014, 140, 224304.	3.0	41
14	In situ derivatization-ultrasound-assisted dispersive liquidâ€"liquid microextraction for the determination of neurotransmitters in Parkinsonâ€™s rat brain microdialysates by ultra high performance liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2016, 1458, 70-81.	3.7	40
15	The dynamics of the D2 + OH â† ' HOD + D reaction: A combined theoretical and experimental study. Faraday Discussions, 2012, 157, 101.	3.2	38
16	Characterization of compounds and potential neuraminidase inhibitors from the n-butanol extract of Compound Indigowoad Root Granule using ultrafiltration and liquid chromatographyâ€"tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2012, 59, 96-101.	2.8	38
17	Benzophenone used as the photochemical reagent for pinpointing C=C locations in unsaturated lipids through shotgun and liquid chromatography-mass spectrometry approaches. Analytica Chimica Acta, 2018, 1028, 32-44.	5.4	38
18	Reversal of multidrug resistance in breast cancer cells by a combination of ursolic acid with doxorubicin. Journal of Pharmaceutical and Biomedical Analysis, 2019, 165, 268-275.	2.8	38

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19	Communication: State-to-state quantum dynamics study of the OH + CO â†' H + CO2 reaction in full dimensions (J = 0). Journal of Chemical Physics, 2011, 135, 141108.	3.0	37
20	Dual ultrasonic-assisted dispersive liquidâ€“liquid microextraction coupled with microwave-assisted derivatization for simultaneous determination of 20(S)-protopanaxadiol and 20(S)-protopanaxatriol by ultra high performance liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2016, 1437, 49-57.	3.7	37
21	Noncovalent Interactions between Superoxide Dismutase and Flavonoids Studied by Native Mass Spectrometry Combined with Molecular Simulations. Analytical Chemistry, 2016, 88, 11720-11726.	6.5	35
22	A targeted strategy for analyzing untargeted mass spectral data to identify lanostaneâ€“type triterpene acids in Poria cocos by integrating a scientific information system and liquid chromatographyâ€“tandem mass spectrometry combined with ion mobility spectrometry. Analytica Chimica Acta, 2018, 1033, 87-99.	5.4	35
23	A local mode picture for H atom reaction with vibrationally excited H₂O: a full dimensional state-to-state quantum dynamics investigation. Chemical Science, 2016, 7, 261-265.	7.4	31
24	The screening of potential Î±-glucosidase inhibitors from the Polygonum multiflorum extract using ultrafiltration combined with liquid chromatography-tandem mass spectrometry. Analytical Methods, 2014, 6, 3353-3359.	2.7	29
25	A non-target urinary and serum metabolomics strategy reveals therapeutical mechanism of Radix Astragali on adjuvant-induced arthritis rats. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1048, 94-101.	2.3	28
26	Teamed boronate affinity-functionalized branched polyethyleneimine-modified magnetic nanoparticles for the selective capture of ginsenosides from rat plasma. Chemical Engineering Journal, 2020, 383, 123079.	12.7	28
27	Bioactivity fingerprint analysis of cyclooxygenase-2 ligands from radix Aconiti by ultrafiltrationâ€“UPLCâ€“MSn. Analytical and Bioanalytical Chemistry, 2013, 405, 7437-7445.	3.7	27
28	Targeted metabolome profiling by dual-probe microdialysis sampling and treatment using Gardenia jasminoides for rats with type 2 diabetes. Scientific Reports, 2017, 7, 10105.	3.3	27
29	Rapid screening and detection of XOD inhibitors from S. tamariscina by ultrafiltration LC-PDAâ€“ESI-MS combined with HPCCC. Analytical and Bioanalytical Chemistry, 2014, 406, 7379-7387.	3.7	26
30	Application of online microdialysis coupled with liquid chromatography-tandem mass spectrometry method in assessing neuroprotective effect of Rhizoma coptidis on diabetic rats. Analytical Methods, 2015, 7, 45-52.	2.7	25
31	Time-Dependent Wave Packet Dynamics Calculations of Cross Sections for Ultracold Scattering of Molecules. Physical Review Letters, 2018, 120, 143401.	7.8	25
32	Mass spectrometry-based urinary metabolomics for the investigation on the mechanism of action of Eleutherococcus senticosus (Rupr. & Maxim.) Maxim. leaves against ischemic stroke in rats. Journal of Ethnopharmacology, 2019, 241, 111969.	4.1	25
33	A metabonomic study of adjuvant-induced arthritis in rats using ultra-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. Molecular BioSystems, 2014, 10, 2617.	2.9	24
34	A study on the effective substance of the Wu-tou formula based on the metabonomic method using UPLC-Q-TOF-HDMS. Molecular BioSystems, 2015, 11, 3081-3091.	2.9	23
35	Chemical Profiling Combined with â€œOmicsâ€•Technologies (CPâ€Omics): a Strategy to Understand the Compatibility Mechanisms and Simplify Herb Formulas in Traditional Chinese Medicines. Phytochemical Analysis, 2017, 28, 381-391.	2.4	22
36	Studies on the chemical and intestinal metabolic profiles of Polygalae Radix by using UHPLC-IT-MS n and UHPLC-Q-TOF-MS method coupled with intestinal bacteria incubation model in vitro. Journal of Pharmaceutical and Biomedical Analysis, 2018, 148, 298-306.	2.8	22

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37	A full-dimensional time-dependent wave packet study of the OHÂ+ÂCO â†' HÂ+ÂCO2 reaction. Theoretical Chemistry Accounts, 2012, 131, 1.	1.4	21
38	Chemical profiling of Fufang-Xialian-Capsule by UHPLC-Q-TOF-MS and its antioxidant activity evaluated by in vitro method. Journal of Pharmaceutical and Biomedical Analysis, 2017, 138, 289-301.	2.8	21
39	A neural network potential energy surface for the F + CH₄reaction including multiple channels based on coupled cluster theory. Physical Chemistry Chemical Physics, 2018, 20, 9090-9100.	2.8	21
40	Magnetic nanoparticles-based lactate dehydrogenase microreactor as a drug discovery tool for rapid screening inhibitors from natural products. Talanta, 2020, 209, 120554.	5.5	21
41	Screening the anti-gout traditional herbs from TCM using an in vitro method. Chinese Chemical Letters, 2016, 27, 1701-1707.	9.0	20
42	Metabonomics study of the effects of traditional Chinese medicine formula Ermiaowan on hyperuricemic rats. Journal of Separation Science, 2018, 41, 560-570.	2.5	20
43	Study on the compatibility interactions of formula Ding-Zhi-Xiao-Wan based on their main components transport characteristics across Caco-2 monolayers model. Journal of Pharmaceutical and Biomedical Analysis, 2018, 159, 179-185.	2.8	20
44	Targeted Screening Approach to Systematically Identify the Absorbed Effect Substances of Poria cocos in Vivo Using Ultrahigh Performance Liquid Chromatography Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2018, 66, 8319-8327.	5.2	20
45	Feshbach resonances in the Fâ€‰+â€‰H2Oâ€‰â†'â€‰HFâ€‰+â€‰OH reaction. Nature Communications, 2020, 11, 2250	12.1	20
46	Identification of Unfolding and Dissociation Pathways of Superoxide Dismutase in the Gas Phase by Ion-Mobility Separation and Tandem Mass Spectrometry. Analytical Chemistry, 2014, 86, 11599-11605.	6.5	19
47	Systematic studies on the in vivo substance basis and the pharmacological mechanism of Acanthopanax Senticosus Harms leaves by UPLC-Q-TOF-MS coupled with a target-network method. Food and Function, 2018, 9, 6555-6565.	4.6	19
48	Reactivity oscillation in the heavyâ€"lightâ€"heavy Cl + CH ₄ reaction. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9202-9207.	7.1	19
49	Ultrafiltration LC-PDA-ESI/MS combined with reverse phase-medium pressure liquid chromatography for screening and isolation potential Î±-glucosidase inhibitors from Scutellaria baicalensis Georgi. Analytical Methods, 2014, 6, 5918.	2.7	18
50	State-to-state quantum versus classical dynamics study of the OHÂ+ÂCOÂâ†'ÂHÂ+ÂCO2 reaction in full dimensions (JÂ=Â0): checking the validity of the quasi-classical trajectory method. Theoretical Chemistry Accounts, 2014, 133, 1.	1.4	18
51	State-to-state differential cross sections for a four-atom reaction: H2 + OH â†' H2O + H in full dimensions. Journal of Chemical Physics, 2016, 145, 134301.	3.0	18
52	Dynamical barrier and isotope effects in the simplest substitution reaction via Walden inversion mechanism. Nature Communications, 2017, 8, 14506.	12.8	18
53	Rapid assay for testing superoxide anion radical scavenging activities to natural pigments by ultra-high performance liquid chromatography-diode-array detection method. Analytical Methods, 2015, 7, 1535-1542.	2.7	17
54	Screening and determination of potential xanthine oxidase inhibitors from Radix Salviae Miltiorrhizae using ultrafiltration liquid chromatographyâ€"mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 923-924, 48-53.	2.3	16

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55	Screening and structural characterization of potential Î±-glucosidase inhibitors from Radix Astragali flavonoids extract by ultrafiltration LC-DAD-ESI-MSⁿ. Analytical Methods, 2015, 7, 123-128.	2.7	16
56	Analysis and Identification of the Chemical Constituents of Dingâ€Zhiâ€Xiaoâ€Wan Prescription by HPLCâ€ITâ€MSⁿ and HPLCâ€Qâ€TOFâ€MS. Chinese Journal of Chemistry, 2015, 33, 451-462.	4.9	16
57	Simultaneous quantification method for comparative pharmacokinetics studies of two major metabolites from geniposide and genipin by online mircrodialysis-UPLCâ€“MS/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1041-1042, 11-18.	2.3	16
58	Stepwise targeted matching strategy from in vitro to in vivo based on ultraâ€“high performance liquid chromatography tandem mass spectrometry technology to quickly identify and screen pharmacodynamic constituents. Talanta, 2019, 194, 619-626.	5.5	16
59	A rapid protocol to distinguish between Citri Exocarpium Rubrum and Citri Reticulatae Pericarpium based on the characteristic fingerprint and UHPLC-Q-TOF MS methods. Food and Function, 2020, 11, 3719-3729.	4.6	16
60	Investigations on the cell metabolomics basis of multidrug resistance from tumor cells by ultra-performance liquid chromatographyâ€“mass spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 5843-5854.	3.7	15
61	Characterization of interaction property of multiâ€components in Gardenia jasminoides with aldose reductase by microdialysis combined with liquid chromatography coupled to mass spectrometry. Rapid Communications in Mass Spectrometry, 2016, 30, 87-94.	1.5	15
62	Rapid screening, separation, and detection of hydroxyl radical scavengers from total flavonoids ofGinkgo bilobaleaves by chromatography combined with molecular devices. Journal of Separation Science, 2016, 39, 4158-4165.	2.5	15
63	Chemical characterization of smallâ€molecule inhibitors of monoamine oxidase B synthesized from the <scp>Acanthopanax senticosus</scp> root with affinity ultrafiltration mass spectrometry. Rapid Communications in Mass Spectrometry, 2020, 34, e8694.	1.5	15
64	Comprehensive fecal metabolomics and gut microbiota for the evaluation of the mechanism of Panax Ginseng in the treatment of Qi-deficiency liver cancer. Journal of Ethnopharmacology, 2022, 292, 115222.	4.1	15
65	A target-group-change strategy based on the UPLC-Q-TOF-MS E method for the metabolites identification of Fufang-Xialian-Capsule in rat's plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1085, 42-53.	2.3	14
66	Liquid extraction surface analysis nanospray electrospray ionization based lipidomics for in situ analysis of tumor cells with multidrug resistance. Rapid Communications in Mass Spectrometry, 2018, 32, 1683-1692.	1.5	14
67	Trace determination and characterization of ginsenosides in rat plasma through magnetic dispersive solid-phase extraction based on core-shell polydopamine-coated magnetic nanoparticles. Journal of Pharmaceutical Analysis, 2020, 10, 86-95.	5.3	14
68	Therapeutic Effectiveness of Gardenia jasminoides on Type 2 Diabetic Rats: Mass Spectrometry-Based Metabolomics Approach. Journal of Agricultural and Food Chemistry, 2020, 68, 9673-9682.	5.2	14
69	A metabolomic study of the urine of rats with Alzheimer's disease and the efficacy of Dingâ€Zhiâ€Xiaoâ€Wan on the afflicted rats. Journal of Separation Science, 2020, 43, 1458-1465.	2.5	14
70	Study on the therapeutic material basis and effect of Acanthopanax senticosus (Rupr. et Maxim.) Harms leaves in the treatment of ischemic stroke by PK-PD analysis based on online microdialysisâ€“LC-MS/MS method. Food and Function, 2020, 11, 2005-2016.	4.6	14
71	Mass spectrometry-based serum lipidomics strategy to explore the mechanism of Eleutherococcus senticosus (Rupr. & Maxim.) Maxim. leaves in the treatment of ischemic stroke. Food and Function, 2021, 12, 4519-4534.	4.6	14
72	Poria cocos could ameliorate cognitive dysfunction in <scp>APP</scp>/<scp>PS1</scp> mice by restoring imbalance of AÎ² production and clearance and gut microbiota dysbiosis. Phytotherapy Research, 2021, 35, 2678-2690.	5.8	14

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73	In Situ Analysis for Herbal Pieces of Aconitum Plants by Using Direct Analysis in Real Time Mass Spectrometry. Chinese Journal of Chemistry, 2015, 33, 241-246.	4.9	13
74	Determining the Effect of Catechins on SOD1 Conformation and Aggregation by Ion Mobility Mass Spectrometry Combined with Optical Spectroscopy. Journal of the American Society for Mass Spectrometry, 2018, 29, 734-741.	2.8	13
75	Effect of type 2 diabetes mellitus on flavonoid pharmacokinetics and tissue distribution after oral administration of Radix Scutellaria extract in rats. Chinese Journal of Natural Medicines, 2018, 16, 418-427.	1.3	13
76	In vitro metabolism of magnolol and honokiol in rat liver microsomes and their interactions with seven cytochrome P substrates. Rapid Communications in Mass Spectrometry, 2019, 33, 229-238.	1.5	13
77	Effects of lithospermic acid on hIAPP aggregation and amyloid-induced cytotoxicity by multiple analytical methods. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140283.	2.3	13
78	Inhibitory effect of eleven herbal extracts on advanced glycation end-products formation and aldose reductase activity. Chinese Chemical Letters, 2014, 25, 1039-1043.	9.0	12
79	Bioactivity screening, extraction, and separation of lactate dehydrogenase inhibitors fromPolygala tenuifoliaWilld. based on a hyphenated strategy. Journal of Separation Science, 2017, 40, 1385-1395.	2.5	12
80	Extraction and separation of lactate dehydrogenase inhibitors from Poria cocos (Schw.) Wolf based on a hyphenated technique and in vitro methods. Journal of Separation Science, 2017, 40, 1773-1783.	2.5	12
81	Well converged quantum rate constants for the H2+ OH â†' H2O + H reaction via transition state wave packet. Journal of Chemical Physics, 2018, 149, 064303.	3.0	12
82	Effects of reagent vibrational excitation on the state-to-state quantum dynamics of the OH+COâ†'H+CO2 reaction in six dimensions (J=0). Chemical Physics Letters, 2012, 537, 16-20.	2.6	11
83	Equivalently Quantitative Ion Strategy with Quaternary Ammonium Cation Derivatization for Highly Sensitive Quantification of Lanostane-Type Triterpene Acids without Standards by Ultrahigh-Performance Liquid Chromatographyâ€"Tandem Mass Spectrometry (UHPLCâ€"MS/MS). Analytical Chemistry, 2018, 90, 13946-13952.	6.5	11
84	Comprehensive characterization of in vivo metabolic profile of Polygalae radix based on ultra-high-performance liquid chromatographyâ€"tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2019, 165, 173-181.	2.8	11
85	Putative multiple reaction monitoring strategy for the comparative pharmacokinetics of postoral administration Renshenâ€"Yuanzhi compatibility through liquid chromatographyâ€"tandem mass spectrometry. Journal of Ginseng Research, 2020, 44, 105-114.	5.7	11
86	Time-Dependent Wave Packet Dynamics Calculations of Cross Sections for Ultracold Four-Atom Reactions. Journal of Physical Chemistry Letters, 2020, 11, 8560-8564.	4.6	11
87	In situ analysis of single cell and biological samples with rGO-Cu functional probe ESI-MS spectrometry. Talanta, 2020, 211, 120751.	5.5	11
88	Bioactive heterocyclic alkaloids with diterpene structure isolated from traditional Chinese medicines. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1026, 56-66.	2.3	10
89	An ab initioâ€based global potential energy surface for the SH₃ system and fullâ€dimensional stateâ€toâ€state quantum dynamics study for the H₂ + HS â†' H₂S + H reaction. Journal of Computational Chemistry, 2019, 40, 1151-1160.	3.3	10
90	The effects and mechanisms of aloeâ€emodin on reversing adriamycinâ€induced resistance of <scp>MCF</scp>â€7/<scp>ADR</scp> cells. Phytotherapy Research, 2021, 35, 3886-3897.	5.8	10

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91	Screening calmodulinâ€binding ligands using intensityâ€fading matrixâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2013, 27, 1527-1534.	1.5	9
92	Differential Cross Sections for the H+D2Oâ†'HD+OD Reaction: a Full Dimensional State-to-State Quantum Dynamics Study. Chinese Journal of Chemical Physics, 2017, 30, 16-24.	1.3	9
93	Enhanced one-step sample pretreatment method for extraction of ginsenosides from rat plasma using tailor-made deep eutectic mixture solvents. Analytical Methods, 2019, 11, 1035-1042.	2.7	9
94	Fecal metabolomics based on mass spectrometry to investigate the mechanism of qishen granules against isoproterenolâ€induced chronic heart failure in rats. Journal of Separation Science, 2020, 43, 4305-4313.	2.5	9
95	A comprehensive strategy to clarify the pharmacodynamic constituents and mechanism of Wu-tou decoction based on the constituents migrating to blood and their in vivo process under pathological state. Journal of Ethnopharmacology, 2021, 275, 114172.	4.1	9
96	Combined 16S rRNA gene sequencing and metabolomics to investigate the protective effects of Wu-tou decoction on rheumatoid arthritis in rats. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2022, 1199, 123249.	2.3	9
97	Novel electrospray ionization-tandem mass spectrometry strategy for monitoring mercury(<scp>ii</scp>) ion based on the competing system of mercury specific DNA and glutathione to mercury(<scp>ii</scp>) ion. Analytical Methods, 2014, 6, 5746-5752.	2.7	8
98	Therapeutic Effects of Selaginella tamariscina on the Model of Acute Gout with Hyperuricemia in Rats Based on Metabolomics Analysis. Chinese Journal of Chemistry, 2017, 35, 1117-1124.	4.9	8
99	A strategy to comprehensively and quickly identify the chemical constituents in Platycodi Radix by ultraâ€performance liquid chromatography coupled with traveling wave ion mobility quadrupole timeâ€ofâ€flight mass spectrometry. Journal of Separation Science, 2021, 44, 691-708.	2.5	8
100	Rapid differentiation of aconiti kusnezoffii radix from different geographic origins using ultra-performance liquid chromatography coupled with time-of-flight mass spectrometry. World Journal of Traditional Chinese Medicine, 2021, 7, 71.	1.9	8
101	A Strategy for Identification and Structural Characterization of Compounds from Plantago asiatica L. by Liquid Chromatography-Mass Spectrometry Combined with Ion Mobility Spectrometry. Molecules, 2022, 27, 4302.	3.8	8
102	Thermal-assisted gasification injector for analyzing high-salt solution samples: a novel device developed for online coupling of liquid chromatography with direct analysis in real time mass spectrometry. RSC Advances, 2016, 6, 98927-98934.	3.6	7
103	Metabolomics analysis of multidrug-resistant breast cancer cellsin vitrousing methyl-tert-butyl ether method. RSC Advances, 2018, 8, 15831-15841.	3.6	7
104	Exploring the potential pharmacodynamic material basis and pharmacologic mechanism of the Fufang-Xialian-Capsule in chronic atrophic gastritis by network pharmacology approach based on the components absorbed into the blood. Royal Society Open Science, 2018, 5, 171806.	2.4	7
105	A wideâ€targeted urinary and serum metabolomics strategy reveals the effective substance of the Wuâ€tou decoction. Journal of Separation Science, 2020, 43, 727-735.	2.5	7
106	Urinary metabonomics study of Wu-tou-tang and its co-decoction with Pinelliae Rhizoma in adjuvant-induced arthritis rats. Chinese Chemical Letters, 2015, 26, 387-392.	9.0	6
107	Studies on effect of Ginkgo bilobaÂL. leaves in acute gout with hyperuricemia model rats by using UPLC-ESI-Q-TOF/MS metabolomic approach. RSC Advances, 2017, 7, 42964-42972.	3.6	6
108	Systematic study on metabolism and activity evaluation of Radix Scutellaria extract in rat plasma using UHPLC with quadrupole timeâ€ofâ€flight mass spectrometry and microdialysis intensityâ€fading mass spectrometry. Journal of Separation Science, 2018, 41, 1704-1710.	2.5	6

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109	A target integration strategy for analyzing multidimensional chemical and metabolic substance groups of Ding-Zhi-Xiao-Wan prescription by using ultra-high performance liquid chromatography tandem mass spectrometry. Journal of Chromatography A, 2019, 1608, 460412.	3.7	6
110	Rapid screening and evaluation of XOD inhibitors and O₂^{â€¢â^'} scavenger from total flavonoids of <scp>Ginkgo biloba</scp> leaves by LCâ€“MS and multimode microplate reader. Biomedical Chromatography, 2020, 34, e4852.	1.7	6
111	An integrated strategy using LC-MS/MS combined with in vivo microdialysis for the simultaneous determination of lignans of Schisandra chinensis (Turcz.) Baill. Fructus and endogenous neurotransmitters: application in pharmacokinetic and pharmacodynamic studies. Food and Function, 2021, 12, 8932-8945.	4.6	6
112	Mass spectrometryâ€based urinary metabolomics for exploring the treatment effects of Radix ginsengâ€“Schisandra chinensis herb pair on Alzheimer's disease in rats. Journal of Separation Science, 2021, 44, 3158-3166.	2.5	6
113	Based on urine metabolomics to study the mechanism of Qi-deficiency affecting type 2 diabetes rats using ultra-high-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1179, 122850.	2.3	6
114	Comprehensive chemical profiling and potential chemical markerâ€™s evaluation of Tribulus terrestris by UPLC-QTOF-MS in combination with ion mobility spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2022, 217, 114839.	2.8	6
115	Binding of alpha 1â€acid glycoprotein with aconitum alkaloids: an investigation using an intensity fading matrixâ€assisted laser desorption/ionization Fourier transform mass spectrometry method. Rapid Communications in Mass Spectrometry, 2011, 25, 973-978.	1.5	5
116	Formation of tungstateâ€containing cluster ions by polyoxotungstate anions under matrixâ€assisted laser desorption/ionization conditions in the gas phase. Rapid Communications in Mass Spectrometry, 2011, 25, 3504-3508.	1.5	5
117	Study on the treatment effect of Polygonum cuspidatum for hyperuricemia in rats using the UPLC-ESI-QTOF/MS metabolomics approach. Analytical Methods, 2015, 7, 6777-6784.	2.7	5
118	A study on the holistic efficacy of different Radix Aconiti Preparata for treating rheumatic arthritis in rats based on the urinary metabonomic method using UPLC-Q-TOF-HDMS. Analytical Methods, 2016, 8, 3088-3095.	2.7	5
119	Stabilities of superoxide dismutase and metalâ€free superoxide dismutase studied by electrospray ionization ion mobility mass spectrometry. Rapid Communications in Mass Spectrometry, 2019, 33, 894-896.	1.5	5
120	A neural network potential energy surface for the F + H₂O â†” HF + OH reaction and quantum dynamics study of the isotopic effect. Physical Chemistry Chemical Physics, 2021, 23, 8809-8816.	2.8	5
121	Feshbach Resonances in the Vibrationally Excited F + HOD(v_{OH}/v_{OD} = 1) Reaction Due to Chemical Bond Softening. Journal of Physical Chemistry Letters, 2021, 12, 6090-6094.	4.6	5
122	Generation of tungstate ion clusters by Kegginātype silicopolyoxotungstate anions under matrixâ€assisted laser desorption/ionization conditions in the gas phase. Rapid Communications in Mass Spectrometry, 2012, 26, 715-718.	1.5	4
123	Ultrahigh-performance liquid chromatography/tandem mass spectrometry method for evaluating enzyme activity and screening inhibitors of cyclooxygenase-2. Rapid Communications in Mass Spectrometry, 2014, 28, 1792-1800.	1.5	4
124	Xanthine Oxidase Inhibitors and the Analytical Methods to Screen Them: A Review. Current Traditional Medicine, 2015, 1, 41-50.	0.4	4
125	Studies on the intestinal absorption of the alkaloids in the Gancaofuzi decoction in a Caco-2 cell culture system by UPLCâ€“MS/MS analysis. Chinese Chemical Letters, 2016, 27, 915-919.	9.0	4
126	A full-dimensional time-dependent wave packet study of the H + CO2â†' OH + CO reaction. Chemical Physics Letters, 2017, 683, 352-356.	2.6	4

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127	Separation, Quantification and Structural Study of (+)â€Catechin and (â€“)â€Epicatechin by Ion Mobility Mass Spectrometry Combined with Theoretical Algorithms. Chinese Journal of Chemistry, 2019, 37, 581-587.	4.9	4
128	From Reactive Rainbow to Dynamic Resonance Well. Journal of Physical Chemistry Letters, 2020, 11, 9446-9452.	4.6	4
129	Boronate Affinity-Based Oriented and Double-Shelled Surface Molecularly Imprinted Polymers on 96-Well Microplates for a High-Throughput Pharmacokinetic Study of Rutin and Its Metabolites. Journal of Agricultural and Food Chemistry, 2021, 69, 3972-3981.	5.2	4
130	Scale-Up Preparation of Crocins I and II from Gardeniajasminoides by a Two-Step Chromatographic Approach and Their Inhibitory Activity Against ATP Citrate Lyase. Molecules, 2021, 26, 3137.	3.8	4
131	A multidimensional strategy to rapidly identify the chemical constituents in Shengxian Decoction by using ultraâ€performance liquid chromatography coupled with ion mobility spectrometry quadrupole timeâ€ofâ€flight mass spectrometry. Journal of Separation Science, 2022, 45, 3115-3127.	2.5	4
132	Formation of molybdate ion clusters by phosphomolybdic anions under matrixâ€assisted laser desorption/ionization conditions in the gas phase. Journal of Mass Spectrometry, 2013, 48, 348-351.	1.6	3
133	Accurate integral cross sections for the Hâ¯+â¯CO2â¯â†’â¯OHâ¯+â¯CO reaction. Chemical Physics Letters, 2018, 706, 675-679.	2.6	3
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