

Yan Zhou

List of Publications by Year in descending order

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103
papers

2,602
citations

201674

27
h-index

214800

47
g-index

111
all docs

111
docs citations

111
times ranked

3281
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of high-concentration n-caproic acid from lactate through fermentation using a newly isolated Ruminococcaceae bacterium CPB6. <i>Biotechnology for Biofuels</i> , 2017, 10, 102.	6.2	178
2	Chemical profiling of Radix Paeoniae evaluated by ultra-performance liquid chromatography/photo-diode-array/quadrupole time-of-flight mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 253-266.	2.8	156
3	Recent developments in qualitative and quantitative analysis of phytochemical constituents and their metabolites using liquid chromatography–mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 72, 267-291.	2.8	152
4	Decocting-induced chemical transformations and global quality of Duâ€™Shenâ€™Tang, the decoction of ginseng evaluated by UPLC–Q-TOF-MS/MS based chemical profiling approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 946-957.	2.8	118
5	A novel strategy to rapidly explore potential chemical markers for the discrimination between raw and processed Radix Rehmanniae by UHPLC–TOFMS with multivariate statistical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 812-823.	2.8	107
6	ESI-QqTOF-MS/MS and APCI-IT-MS/MS analysis of steroid saponins from the rhizomes of Dioscorea panthaica. <i>Journal of Mass Spectrometry</i> , 2006, 41, 1-22.	1.6	105
7	Diastereo- and Enantioselective Dearomative [3 + 2] Cycloaddition Reaction of 2-Nitrobenzofurans with 3-Isothiocyanato Oxindoles. <i>Organic Letters</i> , 2018, 20, 909-912.	4.6	89
8	Multiple Hydrogen-Bonding Bifunctional Thiourea-Catalyzed Asymmetric Dearomative [4 + 2] Annulation of 3-Nitroindoles: Highly Enantioselective Access to Hydrocarbazole Skeletons. <i>Organic Letters</i> , 2017, 19, 4508-4511.	4.6	75
9	An experimental design approach using response surface techniques to obtain optimal liquid chromatography and mass spectrometry conditions to determine the alkaloids in Meconopsi species. <i>Journal of Chromatography A</i> , 2009, 1216, 7013-7023.	3.7	68
10	Qualitative and quantitative analysis of diterpenoids in Salvia species by liquid chromatography coupled with electrospray ionization quadrupole time-of-flight tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 4847-4858.	3.7	64
11	Bioassay and Ultraperformance Liquid Chromatography/Mass Spectrometry Guided Isolation of Apoptosis-Inducing Benzophenones and Xanthone from the Pericarp of Garcinia yunnanensis Hu. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 11144-11150.	5.2	61
12	A new approach for simultaneous screening and quantification of toxic pyrrolizidine alkaloids in some potential pyrrolizidine alkaloid-containing plants by using ultra performance liquid chromatography–tandem quadrupole mass spectrometry. <i>Analytica Chimica Acta</i> , 2010, 681, 33-40.	5.4	58
13	Characterization of protostane triterpenoids in <i>Alisma orientalis</i> by ultra-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1514-1522.	1.5	52
14	The ABI4-Induced Arabidopsis ANACO60 Transcription Factor Attenuates ABA Signaling and Renders Seedlings Sugar Insensitive when Present in the Nucleus. <i>PLoS Genetics</i> , 2014, 10, e1004213.	3.5	51
15	Analysis of caged xanthenes from the resin of Garcinia hanburyi using ultra-performance liquid chromatography/electrospray ionization quadrupole time-of-flight tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2008, 629, 104-118.	5.4	45
16	Characterization of polyprenylated xanthenes in Garcinia xipshuanbannaensis using liquid chromatography coupled with electrospray ionization quadrupole time-of-flight tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1206, 131-139.	3.7	42
17	Bioactive halogenated dihydroisocoumarins produced by the endophytic fungus Lachnum palmae isolated from Przewalskia tangutica. <i>Phytochemistry</i> , 2018, 148, 97-103.	2.9	41
18	Structural characterization and antiviral effect of a novel polysaccharide PSP-2B from Prunellae Spica. <i>Carbohydrate Polymers</i> , 2016, 152, 699-709.	10.2	39

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19	Ultra performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometric procedure for qualitative and quantitative analyses of nortriterpenoids and lignans in the genus <i>Schisandra</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 916-927.	2.8	37
20	Bioassay guided discovery of apoptosis inducers from gamboge by high-speed counter-current chromatography and high-pressure liquid chromatography/electrospray ionization quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 401-407.	2.3	36
21	Secoiridoid Glycosides from <i>Swertia mileensis</i> . <i>Helvetica Chimica Acta</i> , 2006, 89, 94-102.	1.6	35
22	Advanced ultra-performance liquid chromatographyâ€“photodiode arrayâ€“quadrupole time-of-flight mass spectrometric methods for simultaneous screening and quantification of triterpenoids in <i>Poria cocos</i> . <i>Food Chemistry</i> , 2014, 152, 237-244.	8.2	34
23	Metagenomic Insights Into a Cellulose-Rich Niche Reveal Microbial Cooperation in Cellulose Degradation. <i>Frontiers in Microbiology</i> , 2019, 10, 618.	3.5	34
24	Gymnothelignans Aâ€“O: Conformation and Absolute Configuration Analyses of Lignans Bearing Tetrahydrofuran from <i>Gymnotheca chinensis</i> . <i>Journal of Organic Chemistry</i> , 2012, 77, 8435-8443.	3.2	33
25	Cytotoxic triterpenoid saponins from <i>Clematis tangutica</i> . <i>Phytochemistry</i> , 2016, 130, 228-237.	2.9	30
26	Dendrobine-type alkaloids and bibenzyl derivatives from <i>Dendrobium findlayanum</i> . <i>FÃ–toterapÃ–Ã–</i> , 2020, 142, 104497.	2.2	30
27	A novel approach to rapidly explore analytical markers for quality control of <i>Radix Salviae Miltiorrhizae</i> extract granules by robust principal component analysis with ultra-high performance liquid chromatographyâ€“ultravioletâ€“quadrupole time-of-flight mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 279-286.	2.8	28
28	Chemical Fingerprinting of Medicinal Plants â€œGui-jiuâ€•by LC-ESI Multiple-Stage MS. <i>Chromatographia</i> , 2008, 68, 781-789.	1.3	26
29	Quantitative Determination of the Chemical Profile of the Plant Material â€œQiang-huoâ€•by LC-ESI-MS-MS. <i>Chromatographia</i> , 2006, 64, 405-411.	1.3	24
30	Four New Pregnane Glycosides from the Stems of <i>Marsdenia tenacissima</i> . <i>Helvetica Chimica Acta</i> , 2006, 89, 2738-2744.	1.6	24
31	Qualitative and quantitative analysis of polycyclic polyprenylated acylphloroglucinols from <i>Garcinia</i> species using ultra performance liquid chromatography coupled with electrospray ionization quadrupole time-of-flight tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2010, 678, 96-107.	5.4	24
32	Generating Electrospray Ionization on Ballpoint Tips. <i>Analytical Chemistry</i> , 2016, 88, 5072-5079.	6.5	24
33	Chemical Constituents of the Aerial Parts of <i>Schnabelia tetradonta</i> . <i>Journal of Natural Products</i> , 2002, 65, 1777-1781.	3.0	22
34	Analysis of sodium adduct paeoniflorin, albiflorin and their derivatives by (+)ESI-MSn, DFT calculations and computer-aided mass spectrometry analysis program. <i>Journal of Mass Spectrometry</i> , 2007, 42, 335-345.	1.6	22
35	Rapid structural characterization of isomeric benzo[c]phenanthridine alkaloids from the roots of <i>Zanthoxylum nitidum</i> by liquid chromatography combined with electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1931-1936.	1.5	20
36	Three new phenolic compounds from the leaves of <i>Rosa sericea</i> . <i>FÃ–toterapÃ–Ã–</i> , 2013, 84, 332-337.	2.2	20

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37	Determination of Sulfonamides in Chicken Muscle by Pulsed Direct Current Electrospray Ionization Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8256-8263.	5.2	20
38	Flow controllable three-dimensional paper-based microfluidic analytical devices fabricated by 3D printing technology. <i>Analytica Chimica Acta</i> , 2019, 1065, 64-70.	5.4	20
39	Negative electrospray ionization tandem mass spectrometric investigation of <i>ent-</i> kaurane diterpenoids from the genus <i>Isodon</i> . <i>Journal of Mass Spectrometry</i> , 2008, 43, 63-73.	1.6	19
40	Two new diterpenes from <i>Euphorbia kansuensis</i> . <i>Fä-toterapÄ-Äç</i> , 2008, 79, 262-266.	2.2	19
41	Discrimination of the seeds of <i>Notopterygium incisum</i> and <i>Notopterygium franchetii</i> by validated HPLC-DAD-ESI-MS method and principal component analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 1089-1093.	2.8	19
42	Development of an HPLC-DAD-ESI-MSn method for quantitative analysis of <i>Saussurea tridactyla</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 1076-1081.	2.8	18
43	Rapid separation and characterisation of triacylglycerols in ostrich oil by ultra performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. <i>Food Chemistry</i> , 2013, 141, 2098-2102.	8.2	18
44	Antifungal Halogenated Cyclopentenones from the Endophytic Fungus <i>Saccharicola bicolor</i> of <i>Bergenia purpurascens</i> by the One Strain-Many Compounds Strategy. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 185-192.	5.2	18
45	Multistage electrospray ionization mass spectrometric analyses of sulfur-containing iridoid glucosides in <i>Paederia scandens</i> . <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1375-1385.	1.5	16
46	Tandem mass spectrometry fragmentation of the protonated 2-(2-phenylethyl)chromones from Agarwood: radical ions versus non-radical ions. <i>Journal of Mass Spectrometry</i> , 2013, 48, 979-982.	1.6	15
47	Two novel polycyclic spiro lignans from <i>Gymnotheca involucrata</i> . <i>Tetrahedron Letters</i> , 2014, 55, 5949-5951.	1.4	15
48	Harpertrioate A, an A,B,D- <i>seco</i> -Limonoid with Promising Biological Activity against Alzheimer's Disease from Twigs of <i>Harrisonia perforata</i> (Blanco) Merr.. <i>Organic Letters</i> , 2021, 23, 262-267.	4.6	15
49	Screening of polycyclic polyprenylated acylphloroglucinols from <i>Garcinia</i> species using precursor ion discovery (PID) scan and ultra performance liquid chromatography electrospray ionization Q-TOF tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1846-1850.	2.8	14
50	Use of electrospray ionization ion-trap tandem mass spectrometry and principal component analysis to directly distinguish monosaccharides. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1259-1264.	1.5	14
51	Two novel norlignans from <i>Gymnotheca chinensis</i> . <i>Tetrahedron Letters</i> , 2014, 55, 2869-2871.	1.4	14
52	Two new eupodienone lignans from <i>Gymnotheca chinensis</i> . <i>Chinese Chemical Letters</i> , 2014, 25, 463-464.	9.0	14
53	homo-Adamantane type polycyclic polyprenylated acylphloroglucinols from <i>Hypericum hookerianum</i> . <i>Fä-toterapÄ-Äç</i> , 2019, 133, 43-50.	2.2	14
54	A novel functionalized covalent organic framework/carbon nanotube composite as an effective online solid-phase extraction sorbent for simultaneous detection of 33 steroid hormones in pork. <i>Food Chemistry</i> , 2022, 379, 132111.	8.2	14

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55	Electrospray ionization tandem mass spectrometric analysis of <i>ent-6,7-seco-kaurane</i> diterpenoids from the <i>Isodon</i> species. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 138-146.	1.5	13
56	Optimisation of ultra-performance LC conditions using response surface methodology for rapid separation and quantitative determination of phenolic compounds in <i>Artemisia minor</i> . <i>Journal of Separation Science</i> , 2010, 33, 3675-3682.	2.5	13
57	Further Biphenyl Lignans with a Tetrahydrofuran Moiety from <i>Gymnotheca chinensis</i> . <i>Helvetica Chimica Acta</i> , 2014, 97, 499-506.	1.6	13
58	Low-cost and convenient ballpoint tip-protected liquid-phase microextraction for sensitive analysis of organic molecules in water samples. <i>Analytica Chimica Acta</i> , 2018, 1006, 42-48.	5.4	13
59	Characterization and genomic analyses of <i>Aeromonas hydrophila</i> phages AhSzq-1 and AhSzw-1, isolates representing new species within the T5virus genus. <i>Archives of Virology</i> , 2018, 163, 1985-1988.	2.1	13
60	Antiproliferative Sesquiterpenoids from <i>Ligularia rumicifolia</i> with Diverse Skeletons. <i>Journal of Natural Products</i> , 2018, 81, 1992-2003.	3.0	13
61	Two new lignans from <i>Gymnotheca chinensis</i> Decne. <i>Phytochemistry Letters</i> , 2014, 8, 38-40.	1.2	12
62	Determination of Kepone and Its Metabolite in Water and Soil by High-Performance Liquid Chromatography-Mass Spectrometry. <i>Analytical Letters</i> , 2015, 48, 1-8.	1.8	12
63	Analysis of Compounds Dissolved in Nonpolar Solvents by Electrospray Ionization on Conductive Nanomaterials. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 573-580.	2.8	12
64	Tandem mass spectrometric analysis and density functional theory calculations on the fragmentation behavior of two tetradecanoylgingenol regioisomers from <i>Euphorbia wallichii</i> . <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2502-2508.	1.5	11
65	Development and characterization of a nanodendritic silver-based solid-phase extraction sorbent for selective enrichment of endocrine-disrupting chemicals in water and milk samples. <i>Analytica Chimica Acta</i> , 2015, 900, 76-82.	5.4	11
66	Application of fractionized sampling and stacking for construction of an interface for online heart-cutting two-dimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2016, 1466, 199-204.	3.7	11
67	Cytotoxic diterpenoids from the roots of <i>Euphorbia stracheyi</i> . <i>Phytochemistry Letters</i> , 2020, 36, 183-187.	1.2	11
68	Three new oxazoline alkaloids from <i>Gymnotheca chinensis</i> . <i>Journal of Asian Natural Products Research</i> , 2016, 18, 719-723.	1.4	10
69	Rapid screening of 70 colorants in dyeable foods by using ultra-high-performance liquid chromatography-hybrid quadrupole-Orbitrap mass spectrometry with customized accurate-mass database and mass spectral library. <i>Food Chemistry</i> , 2021, 356, 129643.	8.2	10
70	A Rapid and Highly Specific Method to Evaluate the Presence of 2-(2-Phenylethyl) Chromones in Agarwood by Supercritical Fluid Chromatography-Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 395-402.	1.0	9
71	Polycyclic Spiro Lignans and Biphenyl Tetrahydrofuranone Lignans from <i>Gymnotheca involucrata</i> . <i>Planta Medica</i> , 2016, 82, 723-728.	1.3	8
72	Extensive screening of cyclopeptide toxins in mushrooms by ultra-high-performance liquid chromatography coupled with quadrupole-Orbitrap mass spectrometry. <i>Food Chemistry</i> , 2020, 329, 127146.	8.2	8

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73	Biphenyl Lignans with a Tetrahydrofuran Moiety from <i>Gymnotheca chinensis</i> Decne. Chinese Journal of Organic Chemistry, 2014, 34, 1677.	1.3	8
74	Detection of carbonyl groups in triterpenoids by hydroxylamine hydrochloride derivatization using electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 1981-1992.	1.5	7
75	A high-sensitivity UPLC-MS/MS method for simultaneous determination and confirmation of triptolide in zebrafish embryos. Biomedical Chromatography, 2011, 25, 851-857.	1.7	7
76	Terpenoids from <i>Loxocalyx urticifolius</i> . Helvetica Chimica Acta, 2012, 95, 1136-1143.	1.6	6
77	Cyclic Lipopeptides with Herbicidal and Insecticidal Activities Produced by <i>Bacillus clausii</i> DTM1. Natural Product Communications, 2015, 10, 1934578X1501001.	0.5	6
78	Two previously undescribed phthalides from <i>Talaromyces amestolkiae</i> , a symbiotic fungus of <i>Syngnathus acus</i> . Journal of Asian Natural Products Research, 2023, 25, 147-155.	1.4	6
79	Fast Separation Method Development for Supercritical Fluid Chromatography Using an Autoblending Protocol. Chromatographia, 2014, 77, 783-791.	1.3	5
80	New Eremophilenolides from <i>Senecio dianthus</i> . Helvetica Chimica Acta, 2011, 94, 474-480.	1.6	4
81	A new ursane-type triterpenoid saponin from the aerial parts of <i>Clematoclethra scandens</i> subsp. <i>actinidioides</i> . Chinese Journal of Natural Medicines, 2015, 13, 65-68.	1.3	4
82	Phytochemical Investigation of <i>Gymnotheca chinensis</i> . Chemistry of Natural Compounds, 2016, 52, 979-981.	0.8	4
83	Two new neolignans from <i>Gymnotheca involucrata</i> . Chinese Chemical Letters, 2017, 28, 1049-1051.	9.0	4
84	Reversible tuning of the wettability on a silver mesodendritic surface by the formation and disruption of lipid-like bilayers. Applied Surface Science, 2015, 329, 150-157.	6.1	3
85	Two novel 2,5-diphenyl oxazole derivatives from <i>Gymnotheca chinensis</i> . Chinese Chemical Letters, 2016, 27, 1064-1066.	9.0	3
86	Analysis of the lithiated leucosceptroids from <i>Leucosceptrum canum</i> to facilitate their identification and differentiation by electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2016, 30, 100-110.	1.5	3
87	Three new labdane diterpenes from <i>Loxocalyx urticifolius</i> . Phytochemistry Letters, 2017, 19, 55-59.	1.2	3
88	Two new lignans from <i>Gymnotheca involucrata</i> . Natural Product Research, 2020, 34, 329-334.	1.8	3
89	Strategy to Rapidly Discriminate Trace Isomeric Lignan Compounds from <i>Gymnotheca Chinensis</i> by Probe Electrospray Ionization Tandem Mass Spectrometry. European Journal of Mass Spectrometry, 2015, 21, 37-44.	1.0	2
90	Three new chlorinated phenolic glycosides from <i>Przewalskia tangutica</i> . Phytochemistry Letters, 2017, 20, 168-171.	1.2	2

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91	Chemical Constituents of the Aerial Parts of <i>Schnabelia oligophylla</i> . <i>Chemistry of Natural Compounds</i> , 2017, 53, 478-482.	0.8	2
92	Characterization and complete genomic analysis of two <i>Salmonella</i> phages, SenALZ1 and SenASZ3, new members of the genus Cba120virus. <i>Archives of Virology</i> , 2019, 164, 1475-1478.	2.1	2
93	High-sensitivity detection of therapeutic drugs in complex biofluids using a packed ballpoint-electrospray ionization technique. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2711-2720.	3.7	2
94	Ultrasonic Sputter Desorption Mass Spectrometry Technique for Minimally Invasive Tissue Analysis. <i>Analytical Chemistry</i> , 2021, 93, 10502-10510.	6.5	2
95	Performing 2D ⁺ 1D ⁻ 2D Mass Spectrometry Imaging Using Strings. <i>Analytical Chemistry</i> , 2022, 94, 1661-1668.	6.5	2
96	Cimicidol-3-one: a cycloartenol triterpenoid from the rhizomes of <i>Cimicifuga racemosa</i> . <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1114-o1115.	0.2	1
97	MyMolDB: A micromolecular database solution with open source and free components. <i>Journal of Computational Chemistry</i> , 2011, 32, 2942-2948.	3.3	1
98	12-Membered Resorcylic Acid Lactones Isolated from <i>Saccharicola bicolor</i> , an Endophytic Fungi from <i>Bergenia purpurascens</i> . <i>Natural Product Communications</i> , 2015, 10, 1934578X1501001.	0.5	1
99	A 6/5/5/7 heterotetracyclic indole derivative alkaloid isolated from <i>Typhonium giganteum</i> . <i>Tetrahedron Letters</i> , 2020, 61, 151497.	1.4	1
100	Study on the separation mechanism of solid ⁺ substrate electrospray ionization mass spectrometry. <i>Journal of Separation Science</i> , 2021, 44, 1026-1035.	2.5	1
101	Chemical Constituents from Roots of <i>Gymnotheca chinensis</i> . <i>Ying Yong Yu Huan Jing Sheng Wu Xue Bao = Chinese Journal of Applied and Environmental Biology</i> , 2012, 18, 1014.	0.1	1
102	Two New Oleanane-Type Triterpenes from <i>Schnabelia oligophylla</i> . <i>Chinese Journal of Organic Chemistry</i> , 2015, 35, 1781.	1.3	1
103	Purification and mass spectrometry study of Maillard reaction impurities in five acyclic nucleoside antiviral drugs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 212, 114637.	2.8	1