

Zhi-Tao Liang

List of Publications by Citations

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38
papers

931
citations

17
h-index

30
g-index

39
ext. papers

1,085
ext. citations

4.4
avg, IF

3.92
L-index

#	Paper	IF	Citations
38	A unique issue in the standardization of Chinese materia medica: processing. <i>Planta Medica</i> , 2010 , 76, 1975-86	3.1	138
37	Comparison of ten major constituents in seven types of processed tea using HPLC-DAD-MS followed by principal component and hierarchical cluster analysis. <i>LWT - Food Science and Technology</i> , 2015 , 62, 194-201	5.4	98
36	Botanical drugs in Ayurveda and Traditional Chinese Medicine. <i>Journal of Ethnopharmacology</i> , 2016 , 194, 245-259	5	53
35	Tissue-specific metabolite profiling of alkaloids in <i>Sinomenii</i> Caulis using laser microdissection and liquid chromatography-quadrupole/time of flight-mass spectrometry. <i>Journal of Chromatography A</i> , 2012 , 1248, 93-103	4.5	49
34	In vivo analysis and spatial profiling of phytochemicals in herbal tissue by matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytical Chemistry</i> , 2007 , 79, 2745-55	7.8	44
33	Chemical differentiation and quality evaluation of commercial Asian and American ginsengs based on a UHPLC-QTOF/MS/MS metabolomics approach. <i>Phytochemical Analysis</i> , 2015 , 26, 145-60	3.4	40
32	Comparison of chemical profiles between the root and aerial parts from three <i>Bupleurum</i> species based on a UHPLC-QTOF-MS metabolomics approach. <i>BMC Complementary and Alternative Medicine</i> , 2017 , 17, 305	4.7	39
31	An integrated strategy based on UPLC-DAD-QTOF-MS for metabolism and pharmacokinetic studies of herbal medicines: Tibetan "Snow Lotus" herb (<i>Saussurea laniceps</i>), a case study. <i>Journal of Ethnopharmacology</i> , 2014 , 153, 701-13	5	39
30	Comparison of raw and processed <i>Radix Polygoni Multiflori</i> (Heshouwu) by high performance liquid chromatography and mass spectrometry. <i>Chinese Medicine</i> , 2010 , 5, 29	4.7	38
29	Localization of ginsenosides in the rhizome and root of <i>Panax ginseng</i> by laser microdissection and liquid chromatography-quadrupole/time of flight-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 105, 121-133	3.5	37
28	Determination of ginsenosides in Asian and American ginsengs by liquid chromatography-quadrupole/time-of-flight MS: assessing variations based on morphological characteristics. <i>Journal of Ginseng Research</i> , 2017 , 41, 10-22	5.8	33
27	Cell type-specific qualitative and quantitative analysis of saikosaponins in three <i>Bupleurum</i> species using laser microdissection and liquid chromatography-quadrupole/time of flight-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 97, 157-65	3.5	28
26	Profiling of secondary metabolites in tissues from <i>Rheum palmatum</i> L. using laser microdissection and liquid chromatography mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 4199-2124	4.4	28
25	A comparable, chemical and pharmacological analysis of the traditional Chinese medicinal herbs <i>Oldenlandia diffusa</i> and <i>O. corymbosa</i> and a new valuation of their biological potential. <i>Phytomedicine</i> , 2008 , 15, 259-67	6.5	28
24	Distinguishing the medicinal herb <i>Oldenlandia diffusa</i> from similar species of the same genus using fluorescence microscopy. <i>Microscopy Research and Technique</i> , 2006 , 69, 277-82	2.8	28
23	Distribution of toxic alkaloids in tissues from three herbal medicine <i>Aconitum</i> species using laser micro-dissection, UHPLC-QTOF MS and LC-MS/MS techniques. <i>Phytochemistry</i> , 2014 , 107, 155-74	4	20
22	Fingerprint analysis of processed <i>Rhizoma Chuanxiong</i> by high-performance liquid chromatography coupled with diode array detection. <i>Chinese Medicine</i> , 2015 , 10, 2	4.7	17

21	Histochemical analysis of the root tuber of <i>Polygonum multiflorum</i> Thunb. (Fam. Polygonaceae). <i>Microscopy Research and Technique</i> , 2011 , 74, 488-95	2.8	15
20	Determination of iridoid glucosides for quality assessment of <i>Herba Oldenlandiae</i> by high-performance liquid chromatography. <i>Chemical and Pharmaceutical Bulletin</i> , 2006 , 54, 1131-7	1.9	15
19	Whole transverse section and specific-tissue analysis of secondary metabolites in seven different grades of root of <i>Paeonia lactiflora</i> using laser microdissection and liquid chromatography-quadrupole/time of flight-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 103, 7-16	3.5	14
18	Quality evaluation of various commercial specifications of <i>Polygoni Multiflori Radix</i> and its dregs by determination of active compounds. <i>Chemistry Central Journal</i> , 2012 , 6, 53		14
17	Tissue-specific metabolite profiling of benzylisoquinoline alkaloids in the root of <i>Macleaya cordata</i> by combining laser microdissection with ultra-high-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017 , 31, 397-410	2.2	10
16	Metabolite profiling of tissues of <i>Acorus calamus</i> and <i>Acorus tatarinowii</i> rhizomes by using LMD, UHPLC-QTOF MS, and GC-MS. <i>Planta Medica</i> , 2015 , 81, 333-41	3.1	10
15	Tissues-based chemical profiling and semi-quantitative analysis of bioactive components in the root of <i>Salvia miltiorrhiza</i> Bunge by using laser microdissection system combined with UPLC-q-TOF-MS. <i>Chemistry Central Journal</i> , 2016 , 10, 42		10
14	Comparative analysis of <i>Oldenlandia diffusa</i> and its substitutes by high performance liquid chromatographic fingerprint and mass spectrometric analysis. <i>Planta Medica</i> , 2007 , 73, 1502-8	3.1	10
13	Characterization and quantitation of aristolochic acid analogs in different parts of <i>Aristolochiae Fructus</i> , using UHPLC-Q/TOF-MS and UHPLC-QqQ-MS. <i>Chinese Journal of Natural Medicines</i> , 2017 , 15, 392-400	2.8	9
12	Histochemical evaluation of alkaloids in rhizome of <i>Coptis chinensis</i> using laser microdissection and liquid chromatography/mass spectrometry. <i>Drug Testing and Analysis</i> , 2015 , 7, 519-30	3.5	9
11	Tissue-based metabolite profiling and qualitative comparison of two species of roots by use of UHPLC-QTOF MS and laser micro-dissection. <i>Journal of Pharmaceutical Analysis</i> , 2018 , 8, 10-19	14	8
10	<i>Rabdosia japonica</i> var. <i>glaucocalyx</i> Flavonoids Fraction Attenuates Lipopolysaccharide-Induced Acute Lung Injury in Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014 , 2014, 894515	2.3	8
9	Chemical profiling and histochemical analysis of <i>Bupleurum marginatum</i> roots from different growing areas of Hubei province. <i>Acta Pharmaceutica Sinica B</i> , 2013 , 3, 193-204	15.5	7
8	Characterization of secondary metabolites from the raphides of calcium oxalate contained in three araceae family plants using laser microdissection and ultra-high performance liquid chromatography-quadrupole/time of flight-mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2013 , 13, 195-210	1.1	7
7	Tissue-Specific Analysis of Secondary Metabolites Creates a Reliable Morphological Criterion for Quality Grading of <i>Polygoni Multiflori Radix</i> . <i>Molecules</i> , 2018 , 23,	4.8	6
6	Distributive and Quantitative Analysis of the Main Active Saponins in <i>Panax notoginseng</i> by UHPLC-QTOF/MS Combining with Fluorescence Microscopy and Laser Microdissection. <i>Planta Medica</i> , 2016 , 82, 263-72	3.1	5
5	Tissue-specific chemical profiling and quantitative analysis of bioactive components of <i>Cinnamomum cassia</i> by combining laser-microdissection with UPLC-Q/TOF-MS. <i>Chemistry Central Journal</i> , 2018 , 12, 71		5
4	Tissue-specific metabolite profiling and quantitative analysis of ginsenosides in <i>Panax quinquefolium</i> using laser microdissection and liquid chromatography-quadrupole/time of flight-mass spectrometry. <i>Chemistry Central Journal</i> , 2015 , 9, 66		5

3	Ingredient authentication of commercial Xihuangcao herbal tea by a microscopic technique combined with UPLC-ESI-QTOF-MS/MS. <i>Analytical Methods</i> , 2015 , 7, 4257-4268	3-2	3
2	Rapid differentiation of from the three species by UPLC-ESI-QTOF-MS/MS and chemometrics analysis. <i>Chinese Medicine</i> , 2016 , 11, 48	4-7	3
1	Antifibrotic activities of Scutellariae Radix extracts and flavonoids: Comparative proteomics reveals distinct and shared mechanisms.. <i>Phytomedicine</i> , 2022 , 100, 154049	6-5	0