

Dao-quan Tang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

1,843
citations

23
h-index

38
g-index

106
ext. papers

2,308
ext. citations

5.2
avg. IF

4.87
L-index

#	Paper	IF	Citations
100	Amelioration of lipid accumulations and metabolism disorders in differentiation and development of 3T3-L1 adipocytes through mulberry leaf water extract.. <i>Phytomedicine</i> , 2022 , 98, 153959	6.5	2
99	Prenylated phenolic compounds from licorice () and their anti-inflammatory activity against osteoarthritis.. <i>Food and Function</i> , 2022 ,	6.1	3
98	Chemical Antioxidant Quality Markers of Using a Spectrum-Effect Approach.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 809482	5.6	1
97	Development of magnetic molecularly imprinted polymers with double templates for the rapid and selective determination of carbamazepine and lamotrigine in serum.. <i>RSC Advances</i> , 2022 , 12, 10051-10061	3.7	1
96	Analysis of plasma free amino acids in diabetic rat and the intervention of Ginkgo biloba leaves extract using hydrophilic interaction liquid chromatography coupled with tandem mass-spectrometry.. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022 , 1196, 123236	3.2	1
95	Investigation into archaeal extremophilic lifestyles through comparative proteogenomic analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 7080-7092	3.6	2
94	Morus alba leaves ethanol extract protects pancreatic islet cells against dysfunction and death by inducing autophagy in type 2 diabetes. <i>Phytomedicine</i> , 2021 , 83, 153478	6.5	6
93	MS-based metabolite analysis of two licorice chalcones in mice plasma, bile, feces, and urine after oral administration. <i>Biomedical Chromatography</i> , 2021 , 35, e4998	1.7	1
92	Enrichment and Quantitative Determination of Free 3,5- Diiodothyronine, 3',5'-Diiodothyronine, and 3,5-Diiodothyronamine in Human Serum of Thyroid Cancer by Covalent Organic Hyper Cross-linked Poly-ionic Liquid. <i>Journal of Chromatography A</i> , 2021 , 1637, 461821	4.5	1
91	DNA methylation 2020 , 93-108		1
90	Effects of fasting on liver glycogen structure in rats with type 2 diabetes. <i>Carbohydrate Polymers</i> , 2020 , 237, 116144	10.3	4
89	Early Diagnosis: Ultra-Early Diagnosis of Acute Myocardial Infarction in Rats Using Ultrasound Imaging of Hollow Double-Layer Silica Nanospheres (Adv. Healthcare Mater. 3/2020). <i>Advanced Healthcare Materials</i> , 2020 , 9, 2070010	10.1	1
88	Extraction and purification of triterpenoid saponins from licorice by ionic liquid based extraction combined with in situ alkaline aqueous biphasic systems. <i>Separation and Purification Technology</i> , 2020 , 247, 116953	8.3	8
87	Characterization of glycogen molecular structure in the worm <i>Caenorhabditis elegans</i> . <i>Carbohydrate Polymers</i> , 2020 , 237, 116181	10.3	5
86	Metabolic profiling of mice plasma, bile, urine and feces after oral administration of two licorice flavonones. <i>Journal of Ethnopharmacology</i> , 2020 , 257, 112892	5	6
85	Ultra-Early Diagnosis of Acute Myocardial Infarction in Rats Using Ultrasound Imaging of Hollow Double-Layer Silica Nanospheres. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901155	10.1	2
84	Recent progress in the structure of glycogen serving as a durable energy reserve in bacteria. <i>World Journal of Microbiology and Biotechnology</i> , 2020 , 36, 14	4.4	6

83	Glycogen Metabolism Impairment via Single Gene Mutation in the Operon Alters the Survival Rate of Under Various Environmental Stresses. <i>Frontiers in Microbiology</i> , 2020 , 11, 588099	5.7	5
82	Metabolomics Study of Metabolic Changes in Renal Cells in Response to High-Glucose Exposure Based on Liquid or Gas Chromatography Coupled With Mass Spectrometry. <i>Frontiers in Pharmacology</i> , 2019 , 10, 928	5.6	7
81	Highly efficient and selective extraction of minor bioactive natural products using pure ionic liquids: Application to prenylated flavonoids in licorice. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 80, 352-360	6.3	10
80	Simultaneous Monitoring of Amyloid- β Oligomers and Fibrils for Effectively Evaluating the Dynamic Process of A β Aggregation. <i>ACS Sensors</i> , 2019 , 4, 471-478	9.2	15
79	Off-line two-dimensional liquid chromatography coupled with diode array detection and quadrupole-time of flight mass spectrometry for the biotransformation kinetics of Ginkgo biloba leaves extract by diabetic rat liver microsomes. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1109, 1-9	3.2	5
78	Interaction of clopidogrel and fufang danshen dripping pills assay in coronary heart disease based on non-target metabolomics. <i>Journal of Ethnopharmacology</i> , 2019 , 234, 189-196	5	20
77	Multifunctional FeO@Polydopamine@DNA-Fueled Molecular Machine for Magnetically Targeted Intracellular Zn Imaging and Fluorescence/MRI Guided Photodynamic-Photothermal Therapy. <i>Analytical Chemistry</i> , 2019 , 91, 7850-7857	7.8	38
76	Assay of dried blood spot from finger prick for sodium valproate via ink auxiliary headspace gas chromatography mass spectrometry. <i>Journal of Chromatography A</i> , 2019 , 1601, 335-339	4.5	2
75	Molecular Structure of Glycogen in Escherichia coli. <i>Biomacromolecules</i> , 2019 , 20, 2821-2829	6.9	12
74	Segmented scan modes and polarity-based LC-MS for pharmacokinetic interaction study between Fufang Danshen Dripping Pill and Clopidogrel Bisulfate Tablet. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 174, 367-375	3.5	4
73	Microporous polymer based on the new compound "bi-(4-vinyl phenylquinoline) amide" for enrichment and quantitative determination of lamotrigine in rat and human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 3353-3360	4.4	5
72	Assessment of quinazolinone derivatives as novel non-nucleoside hepatitis B virus inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019 , 176, 41-49	6.8	8
71	DNA-Templated Silver Nanocluster/Porphyrin/MnO Platform for Label-Free Intracellular Zn Imaging and Fluorescence-/Magnetic Resonance Imaging-Guided Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13991-14003	9.5	52
70	P450 enzymes-based metabolic interactions between monarch drugs and the other constituent herbs: A strategy to explore compatibility mechanism of Sangju-Yin. <i>Phytomedicine</i> , 2019 , 58, 152866	6.5	3
69	Advances in detection and quantification of methylcytosine and its derivatives. <i>Journal of Separation Science</i> , 2019 , 42, 1105-1116	3.4	
68	Predictive metabolic signatures for the occurrence and development of diabetic nephropathy and the intervention of Ginkgo biloba leaves extract based on gas or liquid chromatography with mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 166, 30-39	3.5	16
67	Succinic acid enhanced quantitative determination of blood modified nucleosides in the development of diabetic nephropathy based on hydrophilic interaction liquid chromatography mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 164, 309-316	3.5	14
66	Structure and Evolution of Glycogen Branching Enzyme N-Termini From Bacteria. <i>Frontiers in Microbiology</i> , 2018 , 9, 3354	5.7	12

65	Design, synthesis and evaluation of novel phenyl propionamide derivatives as non-nucleoside hepatitis B virus inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2018 , 144, 424-434	6.8	8
64	Enrichment and Quantitative Determination of 5-(Hydroxymethyl)-2'-deoxycytidine, 5-(Formyl)-2'-deoxycytidine, and 5-(Carboxyl)-2'-deoxycytidine in Human Urine of Breast Cancer Patients by Magnetic Hyper-Cross-Linked Microporous Polymers Based on Polyionic Liquid. <i>Analytical Chemistry</i> , 2018 , 90, 3906-3913	7.8	16
63	Ionic liquids-ultrasound based efficient extraction of flavonoid glycosides and triterpenoid saponins from licorice.. <i>RSC Advances</i> , 2018 , 8, 13989-13996	3.7	14
62	Metoclopramide nasal spray in vitro evaluation and in vivo pharmacokinetic studies in dogs. <i>Pharmaceutical Development and Technology</i> , 2018 , 23, 275-281	3.4	3
61	Biotransformation of ginsenosides F and Rg in zebrafish. <i>Journal of Asian Natural Products Research</i> , 2018 , 20, 686-696	1.5	
60	Proximity hybridization triggered strand displacement and DNAzyme assisted strand recycling for ATP fluorescence detection and imaging in living cells.. <i>RSC Advances</i> , 2018 , 8, 28161-28171	3.7	17
59	Functional and biocompatible polymeric ionic liquid (PIL) - Decorated immunomagnetic nanospheres for the efficient capture of rare number CTCs. <i>Analytica Chimica Acta</i> , 2018 , 1044, 162-173	6.6	9
58	Distribution Patterns of Polyphosphate Metabolism Pathway and Its Relationships With Bacterial Durability and Virulence. <i>Frontiers in Microbiology</i> , 2018 , 9, 782	5.7	22
57	Research Progress on the Relationship between Atherosclerosis and Inflammation. <i>Biomolecules</i> , 2018 , 8,	5.9	179
56	The application of on-line two-dimensional liquid chromatography (2DLC) in the chemical analysis of herbal medicines. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 160, 301-313	3.5	23
55	DNA-Stabilized Silver Nanoclusters for Label-Free Fluorescence Imaging of Cell Surface Glycans and Fluorescence Guided Photothermal Therapy. <i>Analytical Chemistry</i> , 2018 , 90, 14368-14375	7.8	61
54	Chemical Profiling and Comparison of Sangju Ganmao Tablet and Its Component Herbs Using Two-Dimensional Liquid Chromatography to Explore Compatibility Mechanism of Herbs. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1167	5.6	9
53	Metabolite profiles of ginsenosides Rk1 and Rg5 in zebrafish using ultraperformance liquid chromatography/quadrupole-time-of-flight MS. <i>Journal of Ginseng Research</i> , 2017 , 41, 78-84	5.8	14
52	Separation and characterization of chemical constituents in Ginkgo biloba extract by off-line hydrophilic interaction reversed-phase two-dimensional liquid chromatography coupled with quadrupole-time of flight mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 141, 49-56	3.5	28
51	Optimization and Assessment of Three Different High Performance Liquid Chromatographic Systems for the Combinative Fingerprint Analysis and Multi-Ingredients Quantification of Sangju Ganmao Tablet. <i>Journal of Chromatographic Science</i> , 2017 , 55, 334-345	1.4	4
50	Enhanced detection of amino acids in hydrophilic interaction chromatography electrospray tandem mass spectrometry with carboxylic acids as mobile phase additives. <i>European Journal of Mass Spectrometry</i> , 2017 , 23, 98-104	1.1	4
49	Investigation of the formation of the [2(iohexol)] ⁺ [Mg] complex and its fragmentation in electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017 , 31, 9-15	2.2	4
48	Functionalized poly (ionic liquid) as the support to construct a ratiometric electrochemical biosensor for the selective determination of copper ions in AD rats. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 278-284	11.8	36

47	Development and evaluation of a hydrophilic interaction liquid chromatography-MS/MS method to quantify 19 nucleobases and nucleosides in rat plasma. <i>Biomedical Chromatography</i> , 2017 , 31, e3860	1.7	11
46	Accurate quantification of 5-Methylcytosine, 5-Hydroxymethylcytosine, 5-Formylcytosine, and 5-Carboxylcytosine in genomic DNA from breast cancer by chemical derivatization coupled with ultra performance liquid chromatography- electrospray quadrupole time of flight mass spectrometry analysis. <i>Oncotarget</i> , 2017 , 8, 91248-91257	3.3	16
45	HILIC-MS for metabolomics: An attractive and complementary approach to RPLC-MS. <i>Mass Spectrometry Reviews</i> , 2016 , 35, 574-600	11	136
44	Phenylboronic acid modified solid-phase extraction column: Preparation, characterization, and application to the analysis of amino acids in sepia capsule by removing the maltose. <i>Journal of Separation Science</i> , 2016 , 39, 3428-35	3.4	4
43	Simultaneous Determination of 11 Components in Yinzhihuang Preparations and Their Constituent Herbs by High-Performance Liquid Chromatography with Diode Array Detector. <i>Journal of Chromatographic Science</i> , 2016 , 54, 625-32	1.4	11
42	Two-dimensional liquid chromatography and its application in traditional Chinese medicine analysis and metabonomic investigation. <i>Journal of Separation Science</i> , 2016 , 39, 21-37	3.4	34
41	Hydrophilic Interaction Liquid Chromatography/Mass Spectrometry: An Attractive and Prospective Method for the Quantitative Bioanalysis in Drug Metabolism. <i>Current Drug Metabolism</i> , 2016 , 17, 386-400	3.5	15
40	A sensitive sandwich-type electrochemical aptasensor for thrombin detection based on platinum nanoparticles decorated carbon nanocages as signal labels. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 185-193	11.8	53
39	A new strategy to determine the protein mutation site using matrix-assisted laser desorption ionization in-source decay: derivatization by ionic liquid. <i>Analytica Chimica Acta</i> , 2015 , 865, 31-8	6.6	14
38	High-performance liquid chromatographic column packings with different particle sizes: chromatographic behavior for the quality analysis of HuanglianShangqing pill. <i>Journal of Separation Science</i> , 2015 , 38, 381-9	3.4	4
37	A novel label-free and enzyme-free electrochemical aptasensor based on DNA in situ metallization. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 483-90	11.8	25
36	LC-MS/MS method for the simultaneous quantification of 11 compounds of Ginkgo biloba extract in lysates of mesangial cell cultured by high glucose. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 997, 122-8	3.2	10
35	Target catalyzed hairpin assembly for constructing a ratiometric electrochemical aptasensor. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 158-163	11.8	40
34	A sensitive colorimetric strategy for monitoring cerebral β -amyloid peptides in AD based on dual-functionalized gold nanoplasmonic particles. <i>Chemical Communications</i> , 2015 , 51, 8880-3	5.8	19
33	Evaluation of sample preparation and chromatographic separation for the parallel determination of taurine and edaravone in rat tissues using HILIC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 4143-53	4.4	3
32	Molecular beacon mediated circular strand displacement strategy for constructing a ratiometric electrochemical deoxyribonucleic acid sensor. <i>Analytica Chimica Acta</i> , 2015 , 883, 67-73	6.6	31
31	A cascade signal amplification strategy for surface enhanced Raman spectroscopy detection of thrombin based on DNzyme assistant DNA recycling and rolling circle amplification. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 423-30	11.8	50
30	A novel signal-on electrochemical DNA sensor based on target catalyzed hairpin assembly strategy. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 177-81	11.8	44

29	Preparation of pH-stimuli-responsive PEG-TGA/TGH-capped CdTe QDs and their application in cell labeling. <i>Luminescence</i> , 2015 , 30, 519-25	2.5	6
28	Simultaneous determination of baicalin, oroxylin A-7-O-glucuronide and wogonoside in rat plasma by UPLC-DAD and its application in pharmacokinetics of pure baicalin, Radix Scutellariae and Yinhuang granule. <i>Biomedical Chromatography</i> , 2015 , 29, 1819-25	1.7	9
27	Study on the interaction of plasma protein binding rate between edaravone and taurine in human plasma based on HPLC analysis coupled with ultrafiltration technique. <i>Biomedical Chromatography</i> , 2015 , 29, 1137-45	1.7	8
26	Identification of the over alkylation sites of a protein by IAM in MALDI-TOF/TOF tandem mass spectrometry. <i>RSC Advances</i> , 2015 , 5, 103662-103668	3.7	10
25	A novel label-free aptasensor based on target-induced structure switching of aptamer-functionalized mesoporous silica nanoparticles. <i>RSC Advances</i> , 2015 , 5, 100960-100967	3.7	9
24	Gelsolin bound β amyloid peptides(1-40/1-42): electrochemical evaluation of levels of soluble peptide associated with Alzheimer's disease. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 115-121	11.8	49
23	Target cell extraction coupled with LC-MS/MS analysis for screening potential bioactive components in Ginkgo biloba extract with preventive effect against diabetic nephropathy. <i>Biomedical Chromatography</i> , 2015 , 29, 226-32	1.7	8
22	Screening for Potential Bioactive Components in Ginkgo biloba Extract by the Rat Renal Tubular Epithelial Cell Extraction and LC-MS/MS. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2015 , 18, 514-23	1.3	4
21	Two complementary liquid chromatography-tandem mass spectrometry (LC-MS/MS) methods to study the excretion and metabolic interaction of edaravone and taurine in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 970, 8-17	3.2	4
20	Fingerprint analysis and multi-ingredient quantitative analysis for quality evaluation of Xiaoyanlidan tablets by ultra high performance liquid chromatography with diode array detection. <i>Journal of Separation Science</i> , 2014 , 37, 2131-7	3.4	21
19	Comparative investigation of in vitro biotransformation of 14 components in Ginkgo biloba extract in normal, diabetes and diabetic nephropathy rat intestinal bacteria matrix. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 100, 1-10	3.5	28
18	A method for evaluating the level of soluble β amyloid(1-40/1-42) in Alzheimer's disease based on the binding of gelsolin to β amyloid peptides. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12832-5 ^{16.4}	16.4	49
17	Quantitative and qualitative analysis of common peaks in chemical fingerprint of Yuanhu Zhitong tablet by HPLC-DAD-MS/MS. <i>Journal of Pharmaceutical Analysis</i> , 2014 , 4, 96-106	14	23
16	A Method for Evaluating the Level of Soluble β Amyloid(1-40/1-42) in Alzheimer's Disease Based on the Binding of Gelsolin to β Amyloid Peptides. <i>Angewandte Chemie</i> , 2014 , 126, 13046-13049	3.6	13
15	LC-MS/MS methods for the determination of edaravone and/or taurine in rat plasma and its application to a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2014 , 28, 1173-82	1.7	10
14	Determination of gemcitabine and its metabolite in extracellular fluid of rat brain tumor by ultra performance liquid chromatography-tandem mass spectrometry using microdialysis sampling after intralesional chemotherapy. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013 , 919-920, 10-9	3.2	5
13	Multidimensional information-based HPLC technologies to evaluate traditional chinese medicine. <i>Journal of Chromatographic Science</i> , 2013 , 51, 716-25	1.4	17
12	Development and application of a LC-MS/MS assay for the simultaneous quantification of edaravone and taurine in beagle plasma. <i>Journal of Separation Science</i> , 2013 , 36, 3837-44	3.4	13

11	Preventive effects of rutin on the development of experimental diabetic nephropathy in rats. <i>Life Sciences</i> , 2012 , 91, 959-67	6.8	57
10	A new strategy for quality control and qualitative analysis of Yinhuang preparations by HPLC-DAD-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 1851-65	4.4	16
9	Kinetic Study of β -Chymotrypsin by Electrophoretically Mediated Microanalysis Combined with Partial Filling Technique. <i>Chromatographia</i> , 2012 , 75, 755-760	2.1	4
8	Simultaneous determination of nine flavonoids in beagle dog by HPLC with DAD and application of Ginkgo biloba extracts on the pharmacokinetic. <i>Acta Chromatographica</i> , 2012 , 24, 627-642	1.5	6
7	Development of a novel method combining HPLC fingerprint and multi-ingredients quantitative analysis for quality evaluation of traditional Chinese medicine preparation. <i>Talanta</i> , 2011 , 85, 885-90	6.2	71
6	In vitro suppression of quercetin on hypertrophy and extracellular matrix accumulation in rat glomerular mesangial cells cultured by high glucose. <i>Phytotherapy Research</i> , 2011 , 82, 920-6	3.2	18
5	Protective effects of rutin on rat glomerular mesangial cells cultured in high glucose conditions. <i>Phytotherapy Research</i> , 2011 , 25, 1640-7	6.7	21
4	Simultaneous chemical fingerprint and quantitative analysis of Ginkgo biloba extract by HPLC-DAD. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 3087-95	4.4	64
3	Protective effects of serum containing Ginkgo biloba extract on glomerulosclerosis in rat mesangial cells. <i>Journal of Ethnopharmacology</i> , 2009 , 124, 26-33	5	20
2	Gradient HPLC-DAD for the Simultaneous Determination of Five Flavonoids in Plasma After Intravenously Administrated Ginkgo biloba Extract and its Application in the Study of Pharmacokinetics in Rats. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009 , 32, 2065-2079	1.3	6
1	Ginkgo biloba extract suppresses hypertrophy and extracellular matrix accumulation in rat mesangial cells. <i>Acta Pharmacologica Sinica</i> , 2006 , 27, 1222-30	8	24