

Jingkai Gu

List of Publications by Year in descending order

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78
papers

1,306
citations

430442

18
h-index

414034

32
g-index

78
all docs

78
docs citations

78
times ranked

1853
citing authors

#	ARTICLE	IF	CITATIONS
1	Absorption, distribution, metabolism and excretion of the biomaterials used in Nanocarrier drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2019, 143, 97-114.	6.6	130
2	Moisture resistant and biofriendly CD-MOF nanoparticles obtained via cholesterol shielding. <i>Chemical Communications</i> , 2017, 53, 9246-9249.	2.2	93
3	A dual-responsive nanocapsule via disulfide-induced self-assembly for therapeutic agent delivery. <i>Chemical Science</i> , 2016, 7, 1846-1852.	3.7	92
4	Recent advances in single-cell analysis by mass spectrometry. <i>Analyst, The</i> , 2019, 144, 824-845.	1.7	91
5	Liquid chromatographic-tandem mass spectrometric method for the simultaneous quantitation of telmisartan and hydrochlorothiazide in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 1225-1229.	1.4	39
6	Simultaneous quantitation of hydrochlorothiazide and metoprolol in human plasma by liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 149-154.	1.4	39
7	Determination of omeprazole in human plasma by liquid chromatography-electrospray quadrupole linear ion trap mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 631-635.	1.4	37
8	Simultaneous determination of ten antiepileptic drugs in human plasma by liquid chromatography and tandem mass spectrometry with positive/negative ion-switching electrospray ionization and its application in therapeutic drug monitoring. <i>Journal of Separation Science</i> , 2016, 39, 964-972.	1.3	36
9	Current status of in vivo bioanalysis of nano drug delivery systems. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 221-232.	2.4	32
10	20(S)-Protopanaxadiol Inhibition of Progression and Growth of Castration-Resistant Prostate Cancer. <i>PLoS ONE</i> , 2014, 9, e111201.	1.1	31
11	Development and Application of an MS ^{ALL} -Based Approach for the Quantitative Analysis of Linear Polyethylene Glycols in Rat Plasma by Liquid Chromatography Triple-Quadrupole/Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 5193-5200.	3.2	29
12	Analytical methods for investigating in vivo fate of nanoliposomes: A review. <i>Journal of Pharmaceutical Analysis</i> , 2018, 8, 219-225.	2.4	27
13	Synchrotron radiation-based Fourier-transform infrared spectromicroscopy for characterization of the protein/peptide distribution in single microspheres. <i>Acta Pharmaceutica Sinica B</i> , 2015, 5, 270-276.	5.7	25
14	Bioanalysis of free and liposomal Amphotericin B in rat plasma using solid phase extraction and protein precipitation followed by LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 158, 288-293.	1.4	24
15	Impact of molecular weight on the mechanism of cellular uptake of polyethylene glycols (PEGs) with particular reference to P-glycoprotein. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 2002-2009.	5.7	23
16	Development and validation of an enantioselective SFC-MS/MS method for simultaneous separation and quantification of oxcarbazepine and its chiral metabolites in beagle dog plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1020, 36-42.	1.2	22
17	Differential mobility spectrometry tandem mass spectrometry with multiple ion monitoring for the bioanalysis of liraglutide. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4885-4891.	1.9	19
18	The biological fate of the polymer nanocarrier material monomethoxy poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (glycol)	5.7	19

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19	Determination of lansoprazole enantiomers in dog plasma by column-switching liquid chromatography with tandem mass spectrometry and its application to a preclinical pharmacokinetic study. <i>Journal of Separation Science</i> , 2015, 38, 2960-2967.	1.3	17
20	Effect of Molecular Structure on Stability of Organic Nanoparticles Formed by Bodipy Dimers. <i>Langmuir</i> , 2016, 32, 9575-9581.	1.6	17
21	MS ^{All} strategy for comprehensive quantitative analysis of PEGylated-doxorubicin, PEG and doxorubicin by LC-high resolution q-q-TOF mass spectrometry coupled with all window acquisition of all fragment ion spectra. <i>Analyst</i> , 2017, 142, 4279-4288.	1.7	17
22	The Effect of Molecular Structure on Cytotoxicity and Antitumor Activity of PEGylated Nanomedicines. <i>Biomacromolecules</i> , 2018, 19, 1625-1634.	2.6	17
23	Ultra-sensitive assay for paclitaxel in intracellular compartments of A549 cells using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 912, 93-97.	1.2	16
24	Uptake and release profiles of PEGylated liposomal doxorubicin nanoparticles: A comprehensive picture based on separate determination of encapsulated and total drug concentrations in tissues of tumor-bearing mice. <i>Talanta</i> , 2020, 208, 120358.	2.9	16
25	Ultrahigh-throughput absolute quantitative analysis of linezolid in human plasma by direct analysis in real time mass spectrometry without chromatographic separation and its application to a pharmacokinetic study. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5139-5148.	1.9	15
26	Comparative pharmacokinetic study of PEGylated gemcitabine and gemcitabine in rats by LC-MS/MS coupled with pre-column derivatization and MSALL technique. <i>Talanta</i> , 2020, 206, 120184.	2.9	15
27	LC-MS-MS Determination of Troxerutin in Plasma and Its Application to a Pharmacokinetic Study. <i>Chromatographia</i> , 2011, 73, 165-169.	0.7	14
28	Dissolution and pharmacokinetic properties of two paliperidone cocrystals with 4-hydroxybenzoic and 4-aminobenzoic acid. <i>CrystEngComm</i> , 2014, 16, 7667.	1.3	14
29	Simultaneous quantitation of the diastereoisomers of scholarisine and 19-epischolarisine, vallesamine, and picrinine in rat plasma by supercritical fluid chromatography with tandem mass spectrometry and its application to a pharmacokinetic study. <i>Journal of Separation Science</i> , 2016, 39, 2652-2660.	1.3	14
30	Three dimensional structural insight of laser drilled orifices in osmotic pump tablets. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 93, 287-294.	1.9	14
31	Micro-solid phase extraction and LC-MS3 for the determination of triptorelin in rat plasma and application to a pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 166, 13-19.	1.4	14
32	Simultaneous determination of eight bioactive constituents of Zhiâ€Ziâ€Houâ€Po decoction in rat plasma by ultra high performance liquid chromatography with tandem mass spectrometry and its application to a pharmacokinetic study. <i>Journal of Separation Science</i> , 2020, 43, 406-417.	1.3	14
33	Quantitative MS analysis of therapeutic mAbs and their glycosylation for pharmacokinetics study. <i>Proteomics - Clinical Applications</i> , 2016, 10, 303-314.	0.8	13
34	Simultaneous quantitative analysis of polyethylene glycol (PEG), PEGylated paclitaxel and paclitaxel in rats by MS/MSALL technique with hybrid quadrupole time-of-flight mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 255-261.	1.4	13
35	Poly (l-glutamic acid)-g-methoxy poly (ethylene glycol)-gemcitabine conjugate improves the anticancer efficacy of gemcitabine. <i>International Journal of Pharmaceutics</i> , 2018, 550, 79-88.	2.6	13
36	Biological fate and interaction with cytochromes P450 of the nanocarrier material, d- α -tocopheryl polyethylene glycol 1000 succinate. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 3156-3166.	5.7	13

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37	Significant Improvement of Metabolic Characteristics and Bioactivities of Clopidogrel and Analogs by Selective Deuteration. <i>Molecules</i> , 2016, 21, 704.	1.7	12
38	Recent advances in the bioanalytical methods of polyethylene glycols and PEGylated pharmaceuticals. <i>Journal of Separation Science</i> , 2020, 43, 1978-1997.	1.3	12
39	The In Vivo Pharmacokinetics of Block Copolymers Containing Polyethylene Glycol Used in Nanocarrier Drug Delivery Systems. <i>Drug Metabolism and Disposition</i> , 2022, 50, 827-836.	1.7	12
40	Determination of a deuteroheminâ€“peptide conjugate in rat plasma by liquid chromatographyâ€“tandem mass spectrometry and application to a preclinical pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 98, 401-406.	1.4	11
41	Pharmacokinetic study of calenduloside E and its active metabolite oleanolic acid in beagle dog using liquid chromatographyâ€“tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 951-952, 129-134.	1.2	10
42	A validated UPLC-MS/MS method coupled with protein precipitation and ion exchange solid phase extraction for the quantitation of porcine relaxin B29 in dog plasma and its application to a pharmacokinetic study. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6559-6565.	1.9	9
43	A Parallel-Column LCâ€“MS/MS Method for High-Throughput Analysis of Eight Antiepileptic Drugs in Clinical Therapeutic Drug Monitoring. <i>Chromatographia</i> , 2017, 80, 137-143.	0.7	9
44	Differential mobility spectrometry followed by tandem mass spectrometry with multiple ion monitoring for bioanalysis of eptifibatid in rat plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 151, 260-265.	1.4	9
45	Synthesis, bioconversion, pharmacokinetic and pharmacodynamic evaluation of N-isopropyl-oxy-carbonyloxymethyl prodrugs of CZh-226, a potent and selective PAK4 inhibitor. <i>European Journal of Medicinal Chemistry</i> , 2020, 186, 111878.	2.6	9
46	Simultaneous determination of ferulic acid, paeoniflorin, and albiflorin in rat plasma by ultraâ€“high performance liquid chromatography with tandem mass spectrometry: Application to a pharmacokinetic study of Dangguiâ€“Shaoyaoâ€“San. <i>Journal of Separation Science</i> , 2020, 43, 2053-2060.	1.3	9
47	Trantinterol, a Novel β_2 -Adrenoceptor Agonist, Noncompetitively Inhibits P-Glycoprotein Function <i>in Vitro</i> and <i>in Vivo</i> . <i>Molecular Pharmaceutics</i> , 2015, 12, 1-9.	2.3	8
48	Analysis of therapeutic monoclonal antibody glycoforms by mass spectrometry for pharmacokinetics study. <i>Talanta</i> , 2017, 165, 664-670.	2.9	8
49	A rapid and sensitive LCâ€“MS/MS assay to quantify yonkenafil in rat plasma with application to preclinical pharmacokinetics studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 985-989.	1.4	7
50	Simultaneous determination of carboprost methylate and its active metabolite carboprost in dog plasma by liquid chromatographyâ€“tandem mass spectrometry with positive/negative ion-switching electrospray ionization and its application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 998-999, 8-14.	1.2	7
51	Hydration induced material transfer in membranes of osmotic pump tablets measured by synchrotron radiation based FTIR. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 84, 132-138.	1.9	7
52	Liquid chromatography tandem mass spectrometry with triple stage fragmentation for highly selective analysis and pharmacokinetics of alarelin in rat plasma. <i>Journal of Separation Science</i> , 2019, 42, 3033-3040.	1.3	7
53	Enhanced Platelet Response to Clopidogrel in Zucker Diabetic Fatty Rats due to Impaired Clopidogrel Inactivation by Carboxylesterase 1 and Increased Exposure to Active Metabolite. <i>Drug Metabolism and Disposition</i> , 2019, 47, 794-801.	1.7	7
54	Type 2 diabetes mellitus decreases systemic exposure of clopidogrel active metabolite through upregulation of P-glycoprotein in rats. <i>Biochemical Pharmacology</i> , 2020, 180, 114142.	2.0	7

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55	High-throughput and trace analysis of diazepam in plasma using DART-MS/MS and its pharmacokinetic application. <i>Analytical Biochemistry</i> , 2021, 635, 114435.	1.1	7
56	Study on antiplatelet effect of a new thiophenopyridine platelets P2Y12 receptor antagonist DV-127. <i>Thrombosis Research</i> , 2018, 170, 192-199.	0.8	6
57	Establishment of a Charge Reversal Derivatization Strategy to Improve the Ionization Efficiency of Limaprost and Investigation of the Fragmentation Patterns of Limaprost Derivatives Via Exclusive Neutral Loss and Survival Yield Method. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1365-1375.	1.2	6
58	A novel prodrug strategy to improve the oral absorption of O-desmethylvenlafaxine. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 1611-1617.	0.8	5
59	Role of GDF15 in methylseleninic acid-mediated inhibition of cell proliferation and induction of apoptosis in prostate cancer cells. <i>PLoS ONE</i> , 2019, 14, e0222812.	1.1	5
60	Phenolic Esters of O-Desmethylvenlafaxine with Improved Oral Bioavailability and Brain Uptake. <i>Molecules</i> , 2013, 18, 14920-14934.	1.7	4
61	Poly(ornithine- ϵ -arginine- ϵ -glycine- ϵ -aspartic Acid): Preparation via NCA Polymerization and its Potential as a Polymeric Tumor-Penetrating Agent. <i>Macromolecular Bioscience</i> , 2015, 15, 829-838.	2.1	4
62	Quantification of Niacin and Its Metabolite Nicotinuric Acid in Human Plasma by LC-MS/MS: Application to a Clinical Trial of a Fixed Dose Combination Tablet of Niacin Extended-Release/Simvastatin (500 mg/10 mg) in Healthy Chinese Volunteers. <i>International Journal of Analytical Chemistry</i> , 2015, 2015, 1-9.	0.4	4
63	Reverse of Acute and Chronic Morphine Tolerance by Lithocholic Acid via Down-Regulating UGT2B7. <i>Frontiers in Pharmacology</i> , 2016, 7, 404.	1.6	4
64	A Pharmacodynamic Study of CN-218, a Novel Antiplatelet and Antithrombotic Agent Primarily Targeting the P2Y12 Receptor. <i>Cardiovascular Drugs and Therapy</i> , 2020, 34, 15-23.	1.3	4
65	Disposition and fate of polyoxyethylene glycerol ricinoleate as determined by LC-Q-TOF MS coupled with MSALL, SWATH and HR MS/MS techniques. <i>Chinese Chemical Letters</i> , 2021, 32, 3237-3240.	4.8	4
66	Rapid and sensitive liquid chromatography with tandem mass spectrometry method for the simultaneous quantification of yonkenafil and its major metabolites in rat plasma. <i>Journal of Separation Science</i> , 2016, 39, 3700-3708.	1.3	3
67	Comprehensive Bioanalysis of Ultrahigh Molecular Weight, Highly Disperse Poly(ethylene oxide) in Rat via Microsolid Phase Extraction and RPLC-Q-Q-TOF Coupled with the MSALL Technique. <i>Analytical Chemistry</i> , 2020, 92, 5978-5985.	3.2	3
68	Simultaneous quantitative analysis of retaglitin and its main active metabolite in human multiple matrices by liquid chromatography tandem mass spectrometry. <i>Analytical Methods</i> , 2018, 10, 2108-2114.	1.3	2
69	A novel, differential mobility spectrometry tandem mass spectrometric method for the in vivo quantitation of ursolic acid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 210, 114559.	1.4	2
70	Simultaneous determination of temozolomide acid and its hexyl ester in plasma by LC-MS/MS: application to the first pharmacokinetic study of temozolomide hexyl ester in rats. <i>Analytical Methods</i> , 2014, 6, 8973-8978.	1.3	1
71	LC-MS/MS method for the quantitation of cefotetan in human plasma and its application to pharmacokinetic study. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 900-904.	1.3	1
72	A Bioequivalence Test by the Direct Comparison of Concentration-versus-Time Curves Using Local Polynomial Smoothers. <i>Computational and Mathematical Methods in Medicine</i> , 2016, 2016, 1-6.	0.7	1

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73	Development of a GC-MS method for the determination and pharmacokinetics of trans- β -oxocamphor after intravenous administration of Vitacamphorae injection in rat. <i>Analytical Methods</i> , 2016, 8, 4720-4726.	1.3	1
74	Separation and simultaneous quantitation of PGF ₂ β and its epimer 8-iso-PGF ₂ β using modifier-assisted differential mobility spectrometry tandem mass spectrometry. <i>Acta Pharmaceutica Sinica B</i> , 2018, 8, 228-234.	5.7	1
75	A Unique Collision-Induced Dissociation Reaction of Cholamine Derivatives of Certain Prostaglandins. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 2360-2367.	1.2	1
76	Development and application of a high-throughput liquid chromatography-tandem mass spectrometric method for the simultaneous determination of thymosin α 1 and its recombinant human form in plasma and urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 170, 16-21.	1.4	1
77	High-throughput bioanalysis of sitagliptin in plasma using the Direct Analysis in Real Time mass spectrometry and its application in the pharmacokinetic study thereof. <i>Journal of Separation Science</i> , 2021, , .	1.3	1
78	Evaluation of efficacy and safety after replacement of methyl hydrogen with deuterium at methyl formate of Clopidogrel. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 172, 106157.	1.9	1