

Wilson Z Shou

List of Publications by Year in descending order

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51
papers

1,861
citations

218677

26
h-index

254184

43
g-index

55
all docs

55
docs citations

55
times ranked

1495
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic ejection mass spectrometry: Development, applications, and future perspective. Biomedical Chromatography, 2022, 36, e5278.	1.7	5
2	Rapid Compound Integrity Assessment for High-Throughput Screening Hit Triaging. SLAS Discovery, 2021, 26, 242-247.	2.7	3
3	Acoustic Ejection/Full-Scan Mass Spectrometry Analysis for High-Throughput Compound Quality Control. SLAS Technology, 2021, 26, 178-188.	1.9	22
4	Enabling direct and definitive free fraction determination for highly-bound compounds in protein binding assay. Journal of Pharmaceutical and Biomedical Analysis, 2021, 194, 113765.	2.8	4
5	Ultrahigh-Throughput and Chromatography-Free Bioanalysis of Polar Analytes with Acoustic Ejection Mass Spectrometry. Analytical Chemistry, 2020, 92, 13525-13531.	6.5	20
6	Current status and future directions of high-throughput ADME screening in drug discovery. Journal of Pharmaceutical Analysis, 2020, 10, 201-208.	5.3	51
7	Optimization of microflow LC-MS/MS and its utility in quantitative discovery bioanalysis. Bioanalysis, 2019, 11, 1117-1127.	1.5	14
8	Addition of Optimized Bovine Serum Albumin Level in a High-Throughput Caco-2 Assay Enabled Accurate Permeability Assessment for Lipophilic Compounds. SLAS Discovery, 2019, 24, 738-744.	2.7	11
9	Development, optimization and implementation of a centralized metabolic soft spot assay. Bioanalysis, 2017, 9, 541-552.	1.5	13
10	Development of a high-throughput mass spectrometry based analytical method to support an <i>in vitro</i> OATP1B1 inhibition screening assay. Rapid Communications in Mass Spectrometry, 2016, 30, 1787-1796.	1.5	4
11	Recent developments in software tools for high-throughput <i>in vitro</i> ADME support with high-resolution MS. Bioanalysis, 2016, 8, 1723-1733.	1.5	10
12	Application of Cassette Ultracentrifugation Using Non-labeled Compounds and Liquid Chromatography-Tandem Mass Spectrometry Analysis for High-Throughput Protein Binding Determination. Journal of Pharmaceutical Sciences, 2016, 105, 1036-1042.	3.3	8
13	Coupling Laser Diode Thermal Desorption with Acoustic Sample Deposition to Improve Throughput of Mass Spectrometry-Based Screening. Journal of Biomolecular Screening, 2016, 21, 165-175.	2.6	23
14	Development of an LC-MS/MS method for high throughput quantification of metformin uptake in transporter inhibition assays. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 967, 211-218.	2.3	6
15	A high-speed liquid chromatography/tandem mass spectrometry platform using multiplexed multiple-injection chromatography controlled by single software and its application in discovery ADME screening. Rapid Communications in Mass Spectrometry, 2013, 27, 731-737.	1.5	20
16	Characterization of Efflux Transporters Involved in Distribution and Disposition of Apixaban. Drug Metabolism and Disposition, 2013, 41, 827-835.	3.3	109
17	Sample reduction strategies in discovery bioanalysis. Bioanalysis, 2013, 5, 1691-1701.	1.5	12
18	Cassette incubation followed by bioanalysis using high-resolution MS for <i>in vitro</i> ADME screening assays. Bioanalysis, 2012, 4, 581-593.	1.5	23

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19	Evaluation and Optimization of Compound Solubilization and Delivery Methods in a Two-Tiered Ion Channel Lead Optimization Triage. <i>Assay and Drug Development Technologies</i> , 2012, 10, 202-211.	1.2	1
20	Recent development in software and automation tools for high-throughput discovery bioanalysis. <i>Bioanalysis</i> , 2012, 4, 1097-1109.	1.5	27
21	Discovery bioanalysis. <i>Bioanalysis</i> , 2012, 4, 983-984.	1.5	2
22	Approach to Improve Compound Recovery in a High-Throughput Caco-2 Permeability Assay Supported by Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 2755-2762.	3.3	27
23	Discovery of 3-hydroxy-4-cyano-isoquinolines as novel, potent, and selective inhibitors of human 11 β -hydroxydehydrogenase 1 (11 β -HSD1). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 6693-6698.	2.2	19
24	Ultrafast mass spectrometry based bioanalytical method for digoxin supporting an <i>in vitro</i> glycoprotein (P-gp) inhibition screen. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1231-1240.	1.5	27
25	An integrated bioanalytical platform for supporting high-throughput serum protein binding screening. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 3593-3601.	1.5	22
26	Recent development in high-throughput bioanalytical support for <i>in vitro</i> ADMET profiling. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2010, 6, 321-336.	3.3	37
27	A high-throughput bioanalytical platform using automated infusion for tandem mass spectrometric method optimization and its application in a metabolic stability screen. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1579-1591.	1.5	47
28	Proposal of buspirone collision-induced dissociation rearrangement by exact mass measurements. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1742-1745.	1.5	4
29	N ² -in-one™ strategy for metabolite identification using a liquid chromatography/hybrid triple quadrupole linear ion trap instrument using multiple dependent product ion scans triggered with full mass scan. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1421-1430.	1.5	44
30	Complete profiling and characterization of <i>in vitro</i> nefazodone metabolites using two different tandem mass spectrometric platforms. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 4001-4008.	1.5	29
31	Advantages of using tetrahydrofuran-water as mobile phases in the quantitation of cyclosporin A in monkey and rat plasma by liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 277-284.	2.8	9
32	Simple means to alleviate sensitivity loss by trifluoroacetic acid (TFA) mobile phases in the hydrophilic interaction chromatography-electrospray tandem mass spectrometric (HILIC-ESI/MS/MS) bioanalysis of basic compounds. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 825, 186-192.	2.3	122
33	A novel approach to perform metabolite screening during the quantitative LC-MS/MS analyses of <i>in vitro</i> metabolic stability samples using a hybrid triple-quadrupole linear ion trap mass spectrometer. <i>Journal of Mass Spectrometry</i> , 2005, 40, 1347-1356.	1.6	74
34	Simultaneously quantifying parent drugs and screening for metabolites in plasma pharmacokinetic samples using selected reaction monitoring information-dependent acquisition on a QTrap instrument. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1943-1950.	1.5	68
35	The use of chemical derivatization to enhance liquid chromatography/tandem mass spectrometric determination of 1-hydroxypyrene, a biomarker for polycyclic aromatic hydrocarbons in human urine. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3331-3338.	1.5	44
36	Direct injection of solid-phase extraction eluents onto silica columns for the analysis of polar compounds isoniazid and cetirizine in plasma using hydrophilic interaction chromatography with tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2343-2350.	1.5	53

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37	Development and validation of a high-sensitivity liquid chromatography/tandem mass spectrometry(LC/MS/MS) method with chemical derivatization for the determination of ethinyl estradiol in human plasma. <i>Biomedical Chromatography</i> , 2004, 18, 414-421.	1.7	57
38	Liquid/liquid extraction using 96-well plate format in conjunction with hydrophilic interaction liquid chromatographyâ€”tandem mass spectrometry method for the analysis of fluconazole in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 31, 917-928.	2.8	56
39	Post-column infusion study of the ?dosing vehicle effect? in the liquid chromatography/tandem mass spectrometric analysis of discovery pharmacokinetic samples. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 589-597.	1.5	65
40	Tunica Albuginea Tissue Analysis After Electromotive Drug Administration. <i>Journal of Urology</i> , 2003, 169, 1775-1778.	0.4	54
41	A SENSITIVE AND HIGH-THROUGHPUT LC/MS/MS METHOD USING A SILICA COLUMN AND AN AQUEOUS-ORGANIC MOBILE PHASE FOR THE ANALYSIS OF FLUOXETINE AND NORFLUOXETINE IN HUMAN PLASMA. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2002, 25, 1215-1227.	1.0	18
42	An automatic 96-well solid phase extraction and liquid chromatographyâ€”tandem mass spectrometry method for the analysis of morphine, morphine-3-glucuronide and morphine-6-glucuronide in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 27, 143-152.	2.8	65
43	Simultaneous development of six LCâ€”MSâ€”MS methods for the determination of multiple analytes in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 28, 1115-1126.	2.8	73
44	Development and validation of a liquid chromatography/tandem mass spectrometry (LC/MS/MS) method for the determination of ribavirin in human plasma and serum. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 83-94.	2.8	62
45	Ultrafast liquid chromatography/tandem mass spectrometry bioanalysis of polar analytes using packed silica columns. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1613-1621.	1.5	48
46	Liquid chromatography/tandem mass spectrometric bioanalysis using normal-phase columns with aqueous/organic mobile phases - a novel approach of eliminating evaporation and reconstitution steps in 96-well SPE. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1965-1975.	1.5	70
47	Novel liquid chromatographicâ€”tandem mass spectrometric methods using silica columns and aqueousâ€”organic mobile phases for quantitative analysis of polar ionic analytes in biological fluids. <i>Biomedical Applications</i> , 2001, 754, 387-399.	1.7	113
48	Importance of injection solution composition for LCâ€”MSâ€”MS methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 26, 753-767.	2.8	50
49	A highly automated 96-well solid phase extraction and liquid chromatography/tandem mass spectrometry method for the determination of fentanyl in human plasma. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 466-476.	1.5	75
50	Liquid Chromatography/Electrospray Mass Spectrometry of Organoselenium Compounds with Postcolumn Crown Ether Complexation. <i>Analytical Chemistry</i> , 2000, 72, 3266-3271.	6.5	11
51	Evaluation of Crown Ether Complexation for Elemental Electrospray Mass Spectrometry. <i>Analytical Chemistry</i> , 1999, 71, 3365-3373.	6.5	23