

# Huidong Gu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3182323/publications.pdf>

Version: 2024-02-01

31  
papers

905  
citations

430874

18  
h-index

477307

29  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1029  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selecting the Correct Weighting Factors for Linear and Quadratic Calibration Curves with Least-Squares Regression Algorithm in Bioanalytical LC-MS/MS Assays and Impacts of Using Incorrect Weighting Factors on Curve Stability, Data Quality, and Assay Performance. <i>Analytical Chemistry</i> , 2014, 86, 8959-8966.	6.5	165
2	Multicenter, Randomized, Double-Blind, Placebo-Controlled, Single-Ascending Dose Study of the Oral $\beta$ -Secretase Inhibitor BMS-708163 (Avagacestat): Tolerability Profile, Pharmacokinetic Parameters, and Pharmacodynamic Markers. <i>Clinical Therapeutics</i> , 2012, 34, 654-667.	2.5	62
3	Quantitative bioanalysis of antibody-conjugated payload in monkey plasma using a hybrid immuno-capture LC-MS/MS approach: Assay development, validation, and a case study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1002, 54-62.	2.3	56
4	A Placebo-Controlled, Multiple Ascending Dose Study to Evaluate the Safety, Pharmacokinetics and Pharmacodynamics of Avagacestat (BMS-708163) in Healthy Young and Elderly Subjects. <i>Clinical Pharmacokinetics</i> , 2012, 51, 681-693.	3.5	47
5	Validated LC-MS/MS methods for the determination of dapagliflozin, a sodium-glucose co-transporter 2 inhibitor in normal and ZDF rat plasma. <i>Bioanalysis</i> , 2010, 2, 2001-2009.	1.5	44
6	Practical and Efficient Strategy for Evaluating Oral Absolute Bioavailability with an Intravenous Microdose of a Stable Isotopically-Labeled Drug Using a Selected Reaction Monitoring Mass Spectrometry Assay. <i>Analytical Chemistry</i> , 2012, 84, 10031-10037.	6.5	39
7	Effect of mobile phase pH, aqueous-organic ratio, and buffer concentration on electrospray ionization tandem mass spectrometric fragmentation patterns: implications in liquid chromatography/tandem mass spectrometric bioanalysis. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 3221-3229.	1.5	36
8	Effects of Single Doses of Avagacestat (BMS-708163) on Cerebrospinal Fluid $A\beta$ Levels in Healthy Young Men. <i>Clinical Drug Investigation</i> , 2012, 32, 761-769.	2.2	35
9	Calculation and Mitigation of Isotopic Interferences in Liquid Chromatography-Mass Spectrometry/Mass Spectrometry Assays and Its Application in Supporting Microdose Absolute Bioavailability Studies. <i>Analytical Chemistry</i> , 2012, 84, 4844-4850.	6.5	35
10	Antibody-drug conjugate bioanalysis using LB-LC-MS/MS hybrid assays: strategies, methodology and correlation to ligand-binding assays. <i>Bioanalysis</i> , 2016, 8, 1383-1401.	1.5	33
11	An integrated multiplatform bioanalytical strategy for antibody-drug conjugates: a novel case study. <i>Bioanalysis</i> , 2015, 7, 1569-1582.	1.5	29
12	Effects of sub-chronic donepezil on brain A $\beta$ and cognition in a mouse model of Alzheimer's disease. <i>Psychopharmacology</i> , 2013, 230, 279-289.	3.1	28
13	Development and validation of sensitive and selective LC-MS/MS methods for the determination of BMS-708163, a $\beta$ -secretase inhibitor, in plasma and cerebrospinal fluid using deprotonated or formate adduct ions as precursor ions. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2319-2326.	2.3	27
14	Liquid chromatography and tandem mass spectrometry method for the quantitative determination of saxagliptin and its major pharmacologically active 5-monohydroxy metabolite in human plasma: Method validation and overcoming specific and non-specific binding at low concentrations. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 889-890, 77-86.	2.3	27
15	Immunoaffinity LC-MS/MS for quantitative determination of a free and total protein target as a target engagement biomarker. <i>Bioanalysis</i> , 2017, 9, 1573-1588.	1.5	23
16	Development of a validated liquid chromatography tandem mass spectrometry assay for a PEGylated adnectin in cynomolgus monkey plasma using protein precipitation and trypsin digestion. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 934, 1-7.	2.3	21
17	In-Sample Calibration Curve Using Multiple Isotopologue Reaction Monitoring of a Stable Isotopically Labeled Analyte for Instant LC-MS/MS Bioanalysis and Quantitative Proteomics. <i>Analytical Chemistry</i> , 2019, 91, 2536-2543.	6.5	20
18	Pulsed laser deposition of NiTi shape memory alloy thin films with optimum parameters. <i>Thin Solid Films</i> , 1998, 330, 196-201.	1.8	19

#	ARTICLE	IF	CITATIONS
19	Eliminating Preparation of Multisample External Calibration Curves and Dilution of Study Samples Using the Multiple Isotopologue Reaction Monitoring (MIRM) Technique in Quantitative LC-MS/MS Bioanalysis. <i>Analytical Chemistry</i> , 2019, 91, 8652-8659.	6.5	17
20	Antipeptide Immunocapture with In-Sample Calibration Curve Strategy for Sensitive and Robust LC-MS/MS Bioanalysis of Clinical Protein Biomarkers in Formalin-Fixed Paraffin-Embedded Tumor Tissues. <i>Analytical Chemistry</i> , 2020, 92, 14713-14722.	6.5	15
21	Automated Tecan Programming for Bioanalytical Sample Preparation with EZTecan. <i>Assay and Drug Development Technologies</i> , 2006, 4, 721-733.	1.2	13
22	A contrast in safety, pharmacokinetics and pharmacodynamics across age groups after a single 50 mg oral dose of the ß-secretase inhibitor avagacestat. <i>British Journal of Clinical Pharmacology</i> , 2013, 75, 136-145.	2.4	13
23	Room-temperature growth of high-purity titanium nitride by laser ablation of titanium in a nitrogen atmosphere. <i>Surface and Coatings Technology</i> , 1998, 110, 153-157.	4.8	11
24	Critical considerations for immunocapture enrichment LC-MS bioanalysis of protein therapeutics and biomarkers. <i>Bioanalysis</i> , 2018, 10, 987-995.	1.5	10
25	Determination of Real Time in Vivo Drug Receptor Occupancy for a Covalent Binding Drug as a Clinical Pharmacodynamic Biomarker by Immunocapture-LC-MS/MS. <i>Analytical Chemistry</i> , 2019, 91, 8443-8452.	6.5	10
26	Application of in-sample calibration curve methodology for regulated bioanalysis: Critical considerations in method development, validation and sample analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112844.	2.8	9
27	Opportunities and challenges for hybrid immunoaffinity LC-MS approach for quantitative analysis of protein biomarkers. <i>Future Science OA</i> , 2018, 4, FSO281.	1.9	8
28	Challenges and solutions in the bioanalysis of BMS-986094 and its metabolites including a highly polar, active nucleoside triphosphate in plasma and tissues using LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1000, 29-40.	2.3	7
29	Fit-for-purpose protein biomarker assay validation strategies using hybrid immunocapture-liquid chromatography-tandem-mass spectrometry platform: Quantitative analysis of total soluble cluster of differentiation 73. <i>Analytica Chimica Acta</i> , 2020, 1126, 144-153.	5.4	7
30	Role of regional absorption and gastrointestinal motility on variability in oral absorption of a model drug. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 117, 333-345.	4.3	4
31	Modeling and Simulation of the Pharmacokinetics and Target Engagement of an Antagonist Monoclonal Antibody to Interferon-Induced Protein 10, BMS-986184, in Healthy Participants to Guide Therapeutic Dosing. <i>Clinical Pharmacology in Drug Development</i> , 2020, 9, 689-698.	1.6	2