Bertrand Rochat

List of Publications by Year
in descending order

30	1,122	394421 19	477307 29
papers	citations	h-index	g-index

30	30	30	1701
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Robust and sensitive peptidomics workflow for plasma based on specific extraction, lipid removal, capillary LC setup and multinozzle ESI emitter. Talanta, 2021, 223, 121617.	5.5	2
2	Quantitative and Qualitative LC-High-Resolution MS: The Technological and Biological Reasons for a Shift of Paradigm. , 2019, , .		7
3	LC-HRMS Metabolomics for Untargeted Diagnostic Screening in Clinical Laboratories: A Feasibility Study. Metabolites, 2018, 8, 39.	2.9	11
4	Fully-automated systems and the need for global approaches should exhort clinical labs to reinvent routine MS analysis?. Bioanalysis, 2018, 10, 1129-1141.	1.5	4
5	Proposed Confidence Scale and ID Score in the Identification of Known-Unknown Compounds Using High Resolution MS Data. Journal of the American Society for Mass Spectrometry, 2017, 28, 709-723.	2.8	62
6	Quantitative performance of a quadrupole-orbitrap-MS in targeted LCâ€“MS determinations of small molecules. Journal of Pharmaceutical and Biomedical Analysis, 2016, 124, 48-56.	2.8	61
7	Validation of the Mass-Extraction-Window for Quantitative Methods Using Liquid Chromatography High Resolution Mass Spectrometry. Analytical Chemistry, 2016, 88, 3264-3271.	6.5	46
8	From targeted quantification to untargeted metabolomics: Why LC-high-resolution-MS will become a key instrument in clinical labs. TrAC - Trends in Analytical Chemistry, 2016, 84, 151-164.	11.4	78
9	Is there a future for metabotyping in clinical laboratories?. Bioanalysis, 2015, 7, 5-8.	1.5	8
10	Improved Investigations in Drug Safety by More In-Depth Individual Pharmacokinetics Using High-Resolution Mass Spectrometry. Therapeutic Drug Monitoring, 2015, 37, 141-146.	2.0	2
11	Important Role of CYP2J2 in Protein Kinase Inhibitor Degradation: A Possible Role in Intratumor Drug Disposition and Resistance. PLoS ONE, 2014, 9, e95532.	2.5	26
12	SIMPLE MEASUREMENT OF TESTOSTERONE IN MALE SALIVA SAMPLES USING DISPERSIVE LIQUIDâ€“LIQUID MICROEXTRACTION FOLLOWED BY LIQUID CHROMATOGRAPHYâ€“TANDEM MASS SPECTROMETRY DETECTION. Journal of Liquid Chromatography and Related Technologies, 2014, 37, 1278-1286.	1.0	6
13	Quantitative monitoring of tamoxifen in human plasma extended to 40 metabolites using liquid-chromatography high-resolution mass spectrometry: new investigation capabilities for clinical pharmacology. Analytical and Bioanalytical Chemistry, 2014, 406, 2627-2640.	3.7	34
14	A Close Look at the Fate of Compounds we are Exposed to. Chimia, 2014, 68, 818-818.	0.6	1
15	Analysis and quantification of vitamin D metabolites in serum by ultraâ€performance liquid chromatography coupled to tandem mass spectrometry and highâ€resolution mass spectrometry â€“ a method comparison and validation. Rapid Communications in Mass Spectrometry, 2013, 27, 200-206.	1.5	75
16	Metabotype analysis for personalized biology: a new bioanalytical territory for high-resolution MS. Bioanalysis, 2013, 5, 1149-1152.	1.5	6
17	Validation of hepcidin quantification in plasma using LCâ€“HRMS and discovery of a new hepcidin isoform. Bioanalysis, 2013, 5, 2509-2520.	1.5	31
18	Quantitative/qualitative analysis using LCâ€“HRMS: the fundamental step forward for clinical laboratories and clinical practice. Bioanalysis, 2012, 4, 1709-1711.	1.5	31

#	Article	IF	Citations
19	The future key role of LCâ€“high-resolution-MS analyses in clinical laboratories: a focus on quantification. Bioanalysis, 2012, 4, 2939-2958.	1.5	48
20	Comparison between a highâ€resolution singleâ€stage Orbitrap and a triple quadrupole mass spectrometer for quantitative analyses of drugs. Rapid Communications in Mass Spectrometry, 2012, 26, 499-509.	1.5	124
21	Generic approach for the sensitive absolute quantification of large undigested peptides in plasma using a particular liquid chromatographyâ€“mass spectrometry setup. Journal of Chromatography A, 2011, 1218, 8536-8543.	3.7	14
22	Comparison between a linear ion trap and a triple quadruple MS in the sensitive detection of large peptides at femtomole amounts on column. Journal of Separation Science, 2010, 33, 2478-2488.	2.5	21
23	Ultra-Performance Liquid Chromatography Mass Spectrometry and Sensitive Bioassay Methods for Quantification of Posaconazole Plasma Concentrations after Oral Dosing. Antimicrobial Agents and Chemotherapy, 2010, 54, 5074-5081.	3.2	21
24	Multiplex Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry Method for Simultaneous Quantification in Human Plasma of Fluconazole, Itraconazole, Hydroxyitraconazole, Posaconazole, Voriconazole, Voriconazole- N -Oxide, Anidulafungin, and Caspofungin. Antimicrobial Agents and Chemotherapy, 2010, 54, 5303-5315.	3.2	108
25	Imatinib metabolite profiling in parallel to imatinib quantification in plasma of treated patients using liquid chromatographyâ€“mass spectrometry. Journal of Mass Spectrometry, 2008, 43, 736-752.	1.6	52
26	In vitro biotransformation of imatinib by the tumor expressed CYP1A1 and CYP1B1. Biopharmaceutics and Drug Disposition, 2008, 29, 103-118.	1.9	26
27	Liquid chromatography-mass spectrometry method for quantification of caspofungin in clinical plasma samples. Journal of Mass Spectrometry, 2007, 42, 440-449.	1.6	20
28	Fragmentation study of imatinib and characterization of new imatinib metabolites by liquid chromatographyâ€“triple-quadrupole and linear ion trap mass spectrometers. Journal of Mass Spectrometry, 2006, 41, 390-404.	1.6	49
29	Ritonavir-Boosted Atazanavir-Lopinavir Combination: A Pharmacokinetic Interaction Study of Total, Unbound Plasma and Cellular Exposures. Antiviral Therapy, 2006, 11, 53-62.	1.0	28
30	Role of Cytochrome P450 Activity in the Fate of Anticancer Agents and in Drug Resistance. Clinical Pharmacokinetics, 2005, 44, 349-366.	3.5	120