

# Bertrand Rochat

## List of Publications by Citations

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27  
papers

893  
citations

17  
h-index

29  
g-index

30  
ext. papers

1,006  
ext. citations

3.6  
avg, IF

4.7  
L-index

#	Paper	IF	Citations
27	Comparison between a high-resolution single-stage Orbitrap and a triple quadrupole mass spectrometer for quantitative analyses of drugs. <i>Rapid Communications in Mass Spectrometry</i> , <b>2012</b> , 26, 499-509	2.2	107
26	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. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2010</b> , 54, 5303-15	5.9	97
25	Role of cytochrome P450 activity in the fate of anticancer agents and in drug resistance: focus on tamoxifen, paclitaxel and imatinib metabolism. <i>Clinical Pharmacokinetics</i> , <b>2005</b> , 44, 349-66	6.2	93
24	Analysis and quantification of vitamin D metabolites in serum by ultra-performance liquid chromatography coupled to tandem mass spectrometry and high-resolution mass spectrometry--a method comparison and validation. <i>Rapid Communications in Mass Spectrometry</i> , <b>2013</b> , 27, 200-6	2.2	55
23	From targeted quantification to untargeted metabolomics: Why LC-high-resolution-MS will become a key instrument in clinical labs. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 84, 151-164	14.6	52
22	Quantitative performance of a quadrupole-orbitrap-MS in targeted LC-MS determinations of small molecules. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 124, 48-56	3.5	47
21	Fragmentation study of imatinib and characterization of new imatinib metabolites by liquid chromatography-triple-quadrupole and linear ion trap mass spectrometers. <i>Journal of Mass Spectrometry</i> , <b>2006</b> , 41, 390-404	2.2	46
20	Imatinib metabolite profiling in parallel to imatinib quantification in plasma of treated patients using liquid chromatography-mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2008</b> , 43, 736-52	2.2	43
19	Proposed Confidence Scale and ID Score in the Identification of Known-Unknown Compounds Using High Resolution MS Data. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2017</b> , 28, 709-723	3.5	40
18	The future key role of LC-high-resolution-MS analyses in clinical laboratories: a focus on quantification. <i>Bioanalysis</i> , <b>2012</b> , 4, 2939-58	2.1	40
17	Quantitative monitoring of tamoxifen in human plasma extended to 40 metabolites using liquid-chromatography high-resolution mass spectrometry: new investigation capabilities for clinical pharmacology. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 2627-40	4.4	29
16	Validation of the Mass-Extraction-Window for Quantitative Methods Using Liquid Chromatography High Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 3264-71	7.8	28
15	Validation of hepcidin quantification in plasma using LC-HRMS and discovery of a new hepcidin isoform. <i>Bioanalysis</i> , <b>2013</b> , 5, 2509-20	2.1	28
14	In vitro biotransformation of imatinib by the tumor expressed CYP1A1 and CYP1B1. <i>Biopharmaceutics and Drug Disposition</i> , <b>2008</b> , 29, 103-18	1.7	22
13	Important role of CYP2J2 in protein kinase inhibitor degradation: a possible role in intratumor drug disposition and resistance. <i>PLoS ONE</i> , <b>2014</b> , 9, e95532	3.7	19
12	Comparison between a linear ion trap and a triple quadrupole MS in the sensitive detection of large peptides at femtomole amounts on column. <i>Journal of Separation Science</i> , <b>2010</b> , 33, 2478-88	3.4	18
11	Ultra-performance liquid chromatography mass spectrometry and sensitive bioassay methods for quantification of posaconazole plasma concentrations after oral dosing. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2010</b> , 54, 5074-81	5.9	17

10	Liquid chromatography-mass spectrometry method for quantification of caspofungin in clinical plasma samples. <i>Journal of Mass Spectrometry</i> , <b>2007</b> , 42, 440-9	2.2	17
9	Ritonavir-Boosted Atazanavir-Lopinavir Combination: A Pharmacokinetic Interaction Study of Total, Unbound Plasma and Cellular Exposures. <i>Antiviral Therapy</i> , <b>2006</b> , 11, 53-62	1.6	17
8	Generic approach for the sensitive absolute quantification of large undigested peptides in plasma using a particular liquid chromatography-mass spectrometry setup. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 8536-43	4.5	13
7	LC-HRMS Metabolomics for Untargeted Diagnostic Screening in Clinical Laboratories: A Feasibility Study. <i>Metabolites</i> , <b>2018</b> , 8,	5.6	8
6	SIMPLE MEASUREMENT OF TESTOSTERONE IN MALE SALIVA SAMPLES USING DISPERSIVE LIQUID-LIQUID MICROEXTRACTION FOLLOWED BY LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY DETECTION. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2014</b> , 37, 1278-1286	1.3	6
5	Quantitative and Qualitative LC-High-Resolution MS: The Technological and Biological Reasons for a Shift of Paradigm <b>2019</b> ,		4
4	Fully-automated systems and the need for global approaches should exhort clinical labs to reinvent routine MS analysis?. <i>Bioanalysis</i> , <b>2018</b> , 10, 1129-1141	2.1	3
3	Improved investigations in drug safety by more in-depth individual pharmacokinetics using high-resolution mass spectrometry. <i>Therapeutic Drug Monitoring</i> , <b>2015</b> , 37, 141-6	3.2	2
2	A Close Look at the Fate of Compounds we are Exposed to. <i>Chimia</i> , <b>2014</b> , 68, 818	1.3	1
1	Robust and sensitive peptidomics workflow for plasma based on specific extraction, lipid removal, capillary LC setup and multinozzle ESI emitter. <i>Talanta</i> , <b>2021</b> , 223, 121617	6.2	1