

# Serge Rudaz

## List of Publications by Citations

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347  
papers

11,613  
citations

55  
h-index

84  
g-index

374  
ext. papers

12,872  
ext. citations

4  
avg, IF

6.51  
L-index

#	Paper	IF	Citations
347	Fast analysis in liquid chromatography using small particle size and high pressure. <i>Journal of Separation Science</i> , <b>2006</b> , 29, 1836-48	3.4	262
346	Spatial and temporal dynamics of jasmonate synthesis and accumulation in Arabidopsis in response to wounding. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 16400-7	5.4	244
345	New trends in fast and high-resolution liquid chromatography: a critical comparison of existing approaches. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 397, 1069-82	4.4	237
344	Restricted access materials and large particle supports for on-line sample preparation: an attractive approach for biological fluids analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2004</b> , 801, 141-56	3.2	217
343	Analysis of recent pharmaceutical regulatory documents on analytical method validation. <i>Journal of Chromatography A</i> , <b>2007</b> , 1158, 111-25	4.5	201
342	Velocity estimates for signal propagation leading to systemic jasmonic acid accumulation in wounded Arabidopsis. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 34506-13	5.4	171
341	Coupling ultra-high-pressure liquid chromatography with mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2010</b> , 29, 15-27	14.6	166
340	Method transfer for fast liquid chromatography in pharmaceutical analysis: application to short columns packed with small particle. Part II: gradient experiments. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2008</b> , 68, 430-40	5.7	155
339	Knowledge discovery in metabolomics: an overview of MS data handling. <i>Journal of Separation Science</i> , <b>2010</b> , 33, 290-304	3.4	142
338	Atmospheric pressure photoionization for coupling liquid-chromatography to mass spectrometry: a review. <i>Talanta</i> , <b>2009</b> , 78, 1-18	6.2	135
337	Intact protein analysis in the biopharmaceutical field. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2011</b> , 55, 810-22	3.5	133
336	Recent developments in liquid chromatography--impact on qualitative and quantitative performance. <i>Journal of Chromatography A</i> , <b>2007</b> , 1149, 20-9	4.5	132
335	Plant metabolomics: from holistic data to relevant biomarkers. <i>Current Medicinal Chemistry</i> , <b>2013</b> , 20, 1056-90	4.3	128
334	A systematic investigation of the effect of sample diluent on peak shape in hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 8230-40	4.5	120
333	Metabolomics reveals herbivore-induced metabolites of resistance and susceptibility in maize leaves and roots. <i>Plant, Cell and Environment</i> , <b>2013</b> , 36, 621-39	8.4	113
332	Fast analysis of doping agents in urine by ultra-high-pressure liquid chromatography-quadrupole time-of-flight mass spectrometry I. Screening analysis. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 4423-33	4.5	109
331	High throughput liquid chromatography with sub-2 microm particles at high pressure and high temperature. <i>Journal of Chromatography A</i> , <b>2007</b> , 1167, 76-84	4.5	108

330	Characterization and classification of matrix effects in biological samples analyses. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 4071-8	4.5	106
329	Plant Metabolomics: From Holistic Data to Relevant Biomarkers. <i>Current Medicinal Chemistry</i> , <b>2013</b> , 20, 1056-1090	4.3	104
328	Development of a bioreactor based on trypsin immobilized on monolithic support for the on-line digestion and identification of proteins. <i>Journal of Chromatography A</i> , <b>2004</b> , 1045, 99-109	4.5	103
327	Population normalization with ammonium in wastewater-based epidemiology: application to illicit drug monitoring. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 8162-9	10.3	102
326	Method transfer for fast liquid chromatography in pharmaceutical analysis: application to short columns packed with small particle. Part I: isocratic separation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2007</b> , 66, 475-82	5.7	102
325	Importance of instrumentation for fast liquid chromatography in pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 87, 105-19	3.5	98
324	Chromatographic behaviour and comparison of column packed with sub-2 microm stationary phases in liquid chromatography. <i>Journal of Chromatography A</i> , <b>2006</b> , 1128, 105-13	4.5	92
323	UPLC-TOF-MS for plant metabolomics: a sequential approach for wound marker analysis in <i>Arabidopsis thaliana</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2008</b> , 871, 261-70	3.2	91
322	Analytical strategies for the characterization of therapeutic monoclonal antibodies. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 42, 74-83	14.6	90
321	Optimized liquid chromatography-mass spectrometry approach for the isolation of minor stress biomarkers in plant extracts and their identification by capillary nuclear magnetic resonance. <i>Journal of Chromatography A</i> , <b>2008</b> , 1180, 90-8	4.5	90
320	Capillary electrophoresis-electrospray ionization-mass spectrometry interfaces: fundamental concepts and technical developments. <i>Journal of Chromatography A</i> , <b>2012</b> , 1267, 17-31	4.5	89
319	Therapeutic drug monitoring of seven psychotropic drugs and four metabolites in human plasma by HPLC-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 50, 1000-8	3.5	88
318	Quantification of glucuronidated and sulfated steroids in human urine by ultra-high pressure liquid chromatography quadrupole time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 503-16	4.4	78
317	Practical constraints in the kinetic plot representation of chromatographic performance data: theory and application to experimental data. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 2150-62	7.8	78
316	Differentiation of lemon essential oil based on volatile and non-volatile fractions with various analytical techniques: a metabolomic approach. <i>Food Chemistry</i> , <b>2014</b> , 143, 325-35	8.5	74
315	Simultaneous stereoselective analysis of tramadol and its main phase I metabolites by on-line capillary zone electrophoresis-electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , <b>2000</b> , 868, 295-303	4.5	74
314	A cocktail approach for assessing the in vitro activity of human cytochrome P450s: an overview of current methodologies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 101, 221-37	3.5	72
313	Electromembrane extraction: Overview of the last decade. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 113, 357-363	14.6	72

312	Use of vancomycin silica stationary phase in packed capillary electrochromatography. II. Enantiomer separation of venlafaxine and O-desmethylvenlafaxine in human plasma. <i>Journal of Chromatography A</i> , <b>2001</b> , 919, 195-203	4.5	71
311	Harnessing the complexity of metabolomic data with chemometrics. <i>Journal of Chemometrics</i> , <b>2014</b> , 28, 1-9	1.6	70
310	Silica and other materials as supports in liquid chromatography. Chromatographic tests and their importance for evaluating these supports. Part I. <i>Chromatographia</i> , <b>2001</b> , 53, S113-S131	2.1	70
309	An effective lagrangian with broken scale and chiral symmetry applied to nuclear matter and finite nuclei. <i>Nuclear Physics A</i> , <b>1994</b> , 571, 713-732	1.3	70
308	Experimental designs to investigate capillary electrophoresis-electrospray ionization-mass spectrometry enantioseparation with the partial-filling technique. <i>Electrophoresis</i> , <b>2001</b> , 22, 3316-26	3.6	69
307	Protein precipitation for the analysis of a drug cocktail in plasma by LC-ESI-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2004</b> , 35, 913-20	3.5	68
306	Metabolomic analysis of urine samples by UHPLC-QTOF-MS: Impact of normalization strategies. <i>Analytica Chimica Acta</i> , <b>2017</b> , 955, 27-35	6.6	66
305	Improved quality-by-design compliant methodology for method development in reversed-phase liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 84, 215-23	3.5	64
304	Systematic comparison of sensitivity between hydrophilic interaction liquid chromatography and reversed phase liquid chromatography coupled with mass spectrometry. <i>Journal of Chromatography A</i> , <b>2013</b> , 1312, 49-57	4.5	63
303	Some solutions to obtain very efficient separations in isocratic and gradient modes using small particles size and ultra-high pressure. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 3232-43	4.5	63
302	Evaluation of steroidomics by liquid chromatography hyphenated to mass spectrometry as a powerful analytical strategy for measuring human steroid perturbations. <i>Journal of Chromatography A</i> , <b>2016</b> , 1430, 97-112	4.5	61
301	A steroidomic approach for biomarkers discovery in doping control. <i>Forensic Science International</i> , <b>2011</b> , 213, 85-94	2.6	61
300	CE-TOF/MS: fundamental concepts, instrumental considerations and applications. <i>Electrophoresis</i> , <b>2009</b> , 30, 1610-23	3.6	61
299	Enantiomeric separation of fluoxetine and norfluoxetine in plasma and serum samples with high detection sensitivity capillary electrophoresis. <i>Electrophoresis</i> , <b>1999</b> , 20, 3432-8	3.6	61
298	On-line capillary electrophoresis-electrospray mass spectrometry for the stereoselective analysis of drugs and metabolites. <i>Electrophoresis</i> , <b>2001</b> , 22, 3308-15	3.6	60
297	Screening of the most relevant parameters for method development in ultra-high performance hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , <b>2013</b> , 1282, 72-83	4.5	59
296	Reliable low-cost capillary electrophoresis device for drug quality control and counterfeit medicines. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 53, 1278-87	3.5	59
295	Infinite enantiomeric resolution of basic compounds using highly sulfated cyclodextrin as chiral selector in capillary electrophoresis. <i>Electrophoresis</i> , <b>2003</b> , 24, 2633-41	3.6	58

294	Metabolite profiling of plant extracts by ultra-high-pressure liquid chromatography at elevated temperature coupled to time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 5660-8	4.5	57
293	Retention modeling and method development in hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , <b>2014</b> , 1337, 116-27	4.5	56
292	Applicability of supercritical fluid chromatography - mass spectrometry to metabolomics. I - Optimization of separation conditions for the simultaneous analysis of hydrophilic and lipophilic substances. <i>Journal of Chromatography A</i> , <b>2018</b> , 1562, 96-107	4.5	55
291	Dispersive liquid-liquid microextraction combined with capillary electrophoresis and time-of-flight mass spectrometry for urine analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 73, 82-9	3.5	55
290	Validation of capillary electrophoresis--mass spectrometry methods for the analysis of a pharmaceutical formulation. <i>Electrophoresis</i> , <b>2003</b> , 24, 3049-56	3.6	55
289	Optimisation of accelerated solvent extraction of cocaine and benzoylecgonine from coca leaves. <i>Journal of Separation Science</i> , <b>2001</b> , 24, 865-873	3.4	55
288	Simultaneous stereoselective analysis of venlafaxine and O-desmethylvenlafaxine enantiomers in clinical samples by capillary electrophoresis using charged cyclodextrins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2000</b> , 23, 107-15	3.5	54
287	Impact of mobile phase temperature on recovery and stability of monoclonal antibodies using recent reversed-phase stationary phases. <i>Journal of Separation Science</i> , <b>2012</b> , 35, 3113-23	3.4	53
286	Coupling ultra high-pressure liquid chromatography with single quadrupole mass spectrometry for the analysis of a complex drug mixture. <i>Talanta</i> , <b>2009</b> , 78, 377-87	6.2	52
285	Aminoglycoside analysis in food of animal origin with a zwitterionic stationary phase and liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2015</b> , 882, 127-39	6.6	51
284	Microextraction techniques combined with capillary electrophoresis in bioanalysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 125-41	4.4	51
283	Sample preparation development and matrix effects evaluation for multianalyte determination in urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 49, 459-67	3.5	51
282	Fast analysis of doping agents in urine by ultra-high-pressure liquid chromatography-quadrupole time-of-flight mass spectrometry. II: Confirmatory analysis. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 4109-19	4.5	51
281	Implementation of liquid chromatography-high resolution mass spectrometry methods for untargeted metabolomic analyses of biological samples: A tutorial. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1105, 28-44	6.6	50
280	Highly sensitive capillary electrophoresis-mass spectrometry for rapid screening and accurate quantitation of drugs of abuse in urine. <i>Analytica Chimica Acta</i> , <b>2013</b> , 780, 101-9	6.6	49
279	Simultaneous quantification of cyclosporine, tacrolimus, sirolimus and everolimus in whole blood by liquid chromatography-electrospray mass spectrometry. <i>Clinical Biochemistry</i> , <b>2008</b> , 41, 728-35	3.5	49
278	Analysis of cocaine and three of its metabolites in hair by gas chromatography-mass spectrometry using ion-trap detection for CI/MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2005</b> , 826, 17-25	3.2	48
277	Ultra High Pressure Liquid Chromatography for Crude Plant Extract Profiling. <i>Journal of AOAC INTERNATIONAL</i> , <b>2011</b> , 94, 51-70	1.7	48

276	Evaluation and comparison of various separation techniques for the analysis of closely-related compounds of pharmaceutical interest. <i>Journal of Chromatography A</i> , <b>2013</b> , 1282, 172-7	4.5	47
275	Relation between the particle size distribution and the kinetic performance of packed columns. Application to a commercial sub-2 microm particle material. <i>Journal of Chromatography A</i> , <b>2007</b> , 1161, 224-33	4.5	47
274	LC method for the determination of R-timolol in S-timolol maleate: Validation of its ability to quantify and uncertainty assessment. <i>Talanta</i> , <b>2006</b> , 68, 1166-75	6.2	47
273	Time course of clinical response to venlafaxine: relevance of plasma level and chirality. <i>European Journal of Clinical Pharmacology</i> , <b>2004</b> , 59, 883-91	2.8	47
272	Fast chiral separation of drugs using columns packed with sub-2 microm particles and ultra-high pressure. <i>Chirality</i> , <b>2010</b> , 22, 320-30	2.1	46
271	Differential analysis of mycoalexins in confrontation zones of grapevine fungal pathogens by ultrahigh pressure liquid chromatography/time-of-flight mass spectrometry and capillary nuclear magnetic resonance. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 1127-34	5.7	46
270	Development of a two-step screening ESI-TOF-MS method for rapid determination of significant stress-induced metabolome modifications in plant leaf extracts: the wound response in <i>Arabidopsis thaliana</i> as a case study. <i>Journal of Separation Science</i> , <b>2007</b> , 30, 2268-78	3.4	45
269	Nonaqueous capillary electrophoresis method for the enantiomeric purity determination of S-timolol using heptakis(2,3-di-O-methyl-6-O-sulfo)-beta-cyclodextrin: validation using the accuracy profile strategy and estimation of uncertainty. <i>Journal of Chromatography A</i> , <b>2006</b> , 1120, 102-11	4.5	45
268	Simultaneous stereoselective analysis by capillary electrophoresis of tramadol enantiomers and their main phase I metabolites in urine. <i>Journal of Chromatography A</i> , <b>1999</b> , 846, 227-37	4.5	45
267	Prediction of retention time in reversed-phase liquid chromatography as a tool for steroid identification. <i>Analytica Chimica Acta</i> , <b>2016</b> , 916, 8-16	6.6	44
266	Comparison of columns packed with porous sub-2 microm particles and superficially porous sub-3 microm particles for peptide analysis at ambient and high temperature. <i>Journal of Separation Science</i> , <b>2010</b> , 33, 2465-77	3.4	44
265	Validation of chiral capillary electrophoresis-electrospray ionization-mass spectrometry methods for ecstasy and methadone in plasma. <i>Electrophoresis</i> , <b>2008</b> , 29, 2193-202	3.6	44
264	Trypsin immobilization on three monolithic disks for on-line protein digestion. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 48, 398-407	3.5	44
263	Nanoscale liquid chromatography and capillary electrophoresis coupled to electrospray mass spectrometry for the detection of amyloid-beta peptide related to Alzheimer's disease. <i>Journal of Chromatography A</i> , <b>2002</b> , 974, 135-42	4.5	44
262	Analysis of recombinant monoclonal antibodies by RPLC: toward a generic method development approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2012</b> , 70, 158-68	3.5	43
261	Development of immobilized enzyme reactors based on human recombinant cytochrome P450 enzymes for phase I drug metabolism studies. <i>Journal of Chromatography A</i> , <b>2008</b> , 1206, 2-10	4.5	43
260	Longitudinal monitoring of endogenous steroids in human serum by UHPLC-MS/MS as a tool to detect testosterone abuse in sports. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 705-19	4.4	42
259	Analytical aspects in doping control: challenges and perspectives. <i>Forensic Science International</i> , <b>2011</b> , 213, 49-61	2.6	42

258	Evaluation of the influence of protein precipitation prior to on-line SPE-LC-API/MS procedures using multivariate data analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2007</b> , 845, 244-52	3.2	42
257	Isolation and quantification by high-performance liquid chromatography-ion-trap mass spectrometry of androgen sulfoconjugates in human urine. <i>Journal of Chromatography A</i> , <b>2008</b> , 1196-1197, 153-60	4.5	41
256	Column-switching procedures for the fast analysis of drugs in biologic samples. <i>Therapeutic Drug Monitoring</i> , <b>2004</b> , 26, 161-6	3.2	41
255	Human urinary biomarkers of dioxin exposure: analysis by metabolomics and biologically driven data dimensionality reduction. <i>Toxicology Letters</i> , <b>2014</b> , 230, 234-43	4.4	40
254	Enantioselective analysis of methadone in saliva by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2000</b> , 871, 163-72	4.5	40
253	Usefulness of PBPK Modeling in Incorporation of Clinical Conditions in Personalized Medicine. <i>Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 106, 2380-2391	3.9	39
252	Evaluation of a sheathless nanospray interface based on a porous tip sprayer for CE-ESI-MS coupling. <i>Electrophoresis</i> , <b>2012</b> , 33, 552-62	3.6	39
251	Temporal variability of antibiotics fluxes in wastewater and contribution from hospitals. <i>PLoS ONE</i> , <b>2013</b> , 8, e53592	3.7	39
250	Pharmaceutical applications on columns packed with sub-2 microm particles. <i>Journal of Chromatographic Science</i> , <b>2008</b> , 46, 199-208	1.4	39
249	Rapid stereoselective separations of amphetamine derivatives with highly sulfated gamma-cyclodextrin. <i>Electrophoresis</i> , <b>2005</b> , 26, 3910-20	3.6	39
248	Sample preparation for polar metabolites in bioanalysis. <i>Analyst, The</i> , <b>2017</b> , 143, 16-20	5	39
247	Use of organic solvent to prevent protein adsorption in CE-MS experiments. <i>Electrophoresis</i> , <b>2010</b> , 31, 3326-33	3.6	38
246	Microemulsion electrokinetic chromatography hyphenated to atmospheric pressure photoionization mass spectrometry. <i>Electrophoresis</i> , <b>2008</b> , 29, 11-9	3.6	38
245	Development and validation of a heart-cutting liquid chromatography-mass spectrometry method for the determination of process-related substances in cetirizine tablets. <i>Analytica Chimica Acta</i> , <b>2003</b> , 492, 271-282	6.6	38
244	Exploring Omics data from designed experiments using analysis of variance multiblock Orthogonal Partial Least Squares. <i>Analytica Chimica Acta</i> , <b>2016</b> , 920, 18-28	6.6	38
243	Comparison of liquid chromatography and supercritical fluid chromatography coupled to compact single quadrupole mass spectrometer for targeted in vitro metabolism assay. <i>Journal of Chromatography A</i> , <b>2014</b> , 1371, 244-56	4.5	37
242	Nonaqueous capillary electrophoresis-mass spectrometry for separation of venlafaxine and its phase I metabolites. <i>Electrophoresis</i> , <b>2001</b> , 22, 491-6	3.6	37
241	Stereoselective determination of methadone in serum by HPLC following solid-phase extraction on disk. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1996</b> , 14, 1271-9	3.5	37

240	Quantification of cyclosporine and tacrolimus in whole blood. Comparison of liquid chromatography-electrospray mass spectrometry with the enzyme multiplied immunoassay technique. <i>Clinical Biochemistry</i> , <b>2008</b> , 41, 910-3	3.5	36
239	Fast Determination of Lipophilicity by HPLC. <i>Chromatographia</i> , <b>2005</b> , 62, 251-255	2.1	36
238	Silica and other materials as supports in liquid chromatography. Chromatographic tests and their importance for evaluating these supports. Part II. <i>Chromatographia</i> , <b>2001</b> , 53, S132-S140	2.1	36
237	ON THE PRODUCTION OF FLUX VORTICES AND MAGNETIC MONOPOLES IN PHASE TRANSITIONS. <i>Modern Physics Letters A</i> , <b>1993</b> , 08, 1443-1450	1.3	36
236	Analytical strategies for the determination of amino acids: Past, present and future trends. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2019</b> , 1132, 121819	3.2	35
235	Contribution of various types of liquid chromatography-mass spectrometry instruments to band broadening in fast analysis. <i>Journal of Chromatography A</i> , <b>2013</b> , 1310, 45-55	4.5	35
234	Dynamic-Electromembrane Extraction: A Technical Development for the Extraction of Neuropeptides. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 5308-15	7.8	35
233	A multi-target screening analysis in human plasma using fast liquid chromatography-hybrid tandem mass spectrometry (Part I). <i>Clinical Biochemistry</i> , <b>2011</b> , 44, 32-44	3.5	34
232	A risk-based analysis of the AAPS conference report on quantitative bioanalytical methods validation and implementation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2009</b> , 877, 2235-43	3.2	34
231	Trypsin immobilization on an ethylenediamine-based monolithic minidisk for rapid on-line peptide mass fingerprinting studies. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 2695-9	4.5	34
230	Multiple injection technique for the determination and quantitation of insulin formulations by capillary electrophoresis and time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 8041-7	4.5	33
229	Coupling CE with atmospheric pressure photoionization MS for pharmaceutical basic compounds: optimization of operating parameters. <i>Electrophoresis</i> , <b>2007</b> , 28, 3078-87	3.6	33
228	Multivariate data analysis of rapid LC-TOF/MS experiments from Arabidopsis thaliana stressed by wounding. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2007</b> , 86, 189-197	3.8	33
227	Chiral stationary phases in HPLC for the stereoselective determination of methadone. <i>Chirality</i> , <b>1999</b> , 11, 319-25	2.1	33
226	Impact of Boosted Antiretroviral Therapy on the Pharmacokinetics and Efficacy of Clopidogrel and Prasugrel Active Metabolites. <i>Clinical Pharmacokinetics</i> , <b>2018</b> , 57, 1347-1354	6.2	32
225	Enhanced method performances for conventional and chiral CE-ESI/MS analyses in plasma. <i>Electrophoresis</i> , <b>2006</b> , 27, 1537-46	3.6	32
224	Ultrashort partial-filling technique in capillary electrophoresis for infinite resolution of tramadol enantiomers and its metabolites with highly sulfated cyclodextrins. <i>Electrophoresis</i> , <b>2004</b> , 25, 2761-71	3.6	32
223	Steroid profiling in H295R cells to identify chemicals potentially disrupting the production of adrenal steroids. <i>Toxicology</i> , <b>2017</b> , 381, 51-63	4.4	31



222	Fast log P determination by ultra-high-pressure liquid chromatography coupled with UV and mass spectrometry detections. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 394, 1919-30	4.4	31
221	Mass spectrometry-based metabolomics oriented by correlation analysis for wound-induced molecule discovery: identification of a novel jasmonate glucoside. <i>Phytochemical Analysis</i> , <b>2010</b> , 21, 95-101	3.4	31
220	High-resolution profiling of oxylipin-containing galactolipids in Arabidopsis extracts by ultra-performance liquid chromatography/time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 3154-60	2.2	31
219	Development of a New Extraction Device Based on Parallel-Electromembrane Extraction. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 6346-6350	7.8	30
218	A fast LC-APCI/MS method for analyzing benzodiazepines in whole blood using monolithic support. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2006</b> , 832, 249-355	3.2	30
217	Characterization of chromatographic supports for the analysis of basic compounds. <i>Journal of Separation Science</i> , <b>2002</b> , 25, 1351-1363	3.4	30
216	Effective mobility as a robust criterion for compound annotation and identification in metabolomics: Toward a mobility-based library. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1032, 178-187	6.6	30
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