

# Serge Rudaz

## List of Publications by Year in descending order

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Version: 2024-02-01

357  
papers

14,304  
citations

20759

60  
h-index

42291

92  
g-index

375  
all docs

375  
docs citations

375  
times ranked

12252  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficiently handling high-dimensional data from multifactorial designs with unequal group sizes using Rebalanced ASCA (RASCA). <i>Journal of Chemometrics</i> , 2023, 37, .	0.7	2
2	Longitudinal evaluation of multiple biomarkers for the detection of testosterone gel administration in women with normal menstrual cycle. <i>Drug Testing and Analysis</i> , 2022, 14, 833-850.	1.6	29
3	Separation and determination of cysteine enantiomers in plasma after derivatization with 4-fluoro-7-nitrobenzofurazan. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 209, 114539.	1.4	8
4	Internal calibration as an emerging approach for endogenous analyte quantification: Application to steroids. <i>Talanta</i> , 2022, 240, 123149.	2.9	18
5	Sphaleron transition rates and the chiral magnetic effect. <i>International Journal of Modern Physics E</i> , 2022, 31, .	0.4	2
6	Psychological distress and well-being among students of health disciplines in Geneva, Switzerland: The importance of academic satisfaction in the context of academic year-end and COVID-19 stress on their learning experience. <i>PLoS ONE</i> , 2022, 17, e0266612.	1.1	12
7	Network principal component analysis: a versatile tool for the investigation of multigroup and multiblock datasets. <i>Bioinformatics</i> , 2021, 37, 1297-1303.	1.8	6
8	Evaluation of ion mobility in capillary electrophoresis coupled to mass spectrometry for the identification in metabolomics. <i>Electrophoresis</i> , 2021, 42, 342-349.	1.3	15
9	From a single steroid to the steroidome: Trends and analytical challenges. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 206, 105797.	1.2	41
10	Determination of antiretroviral drugs for buyersâ€™ club in Switzerland using capillary electrophoresis methods. <i>Electrophoresis</i> , 2021, 42, 708-718.	1.3	7
11	Psychological Distress and Well-Being among Students of Health Disciplines: The Importance of Academic Satisfaction. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2151.	1.2	31
12	Evaluation of a nanoflow interface based on the triple-tube coaxial sheath-flow sprayer for capillary electrophoresis-mass spectrometry coupling in metabolomics. <i>Journal of Chromatography A</i> , 2021, 1641, 461982.	1.8	5
13	Ion mobility-high resolution mass spectrometry in anti-doping analysis. Part I: Implementation of a screening method with the assessment of a library of substances prohibited in sports. <i>Analytica Chimica Acta</i> , 2021, 1152, 338257.	2.6	20
14	Neuroinflammatory Response to TNF $\alpha$ and IL1 $\beta$ Cytokines Is Accompanied by an Increase in Glycolysis in Human Astrocytes In Vitro. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4065.	1.8	13
15	Gaining Insights Into Metabolic Networks Using Chemometrics and Bioinformatics: Chronic Kidney Disease as a Clinical Model. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 682559.	1.6	5
16	Capillary Electrophoresis Instruments for Medical Applications and Falsified Drug Analysis/Quality Control in Developing Countries. <i>Analytical Chemistry</i> , 2021, 93, 8107-8115.	3.2	14
17	New insights into the conversion of electropherograms to the effective electrophoretic mobility scale. <i>Electrophoresis</i> , 2021, 42, 1875-1884.	1.3	10
18	Ion mobility-high resolution mass spectrometry in doping control analysis. Part II: Comparison of acquisition modes with and without ion mobility. <i>Analytica Chimica Acta</i> , 2021, 1175, 338739.	2.6	14

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19	Steroid profiling by UHPLC-MS/MS in dried blood spots collected from healthy women with and without testosterone gel administration. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 204, 114280.	1.4	24
20	Progress towards an OECD reporting framework for transcriptomics and metabolomics in regulatory toxicology. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 125, 105020.	1.3	46
21	Approaches in metabolomics for regulatory toxicology applications. <i>Analyst, The</i> , 2021, 146, 1820-1834.	1.7	30
22	Wipe-sampling procedure optimisation for the determination of 23 antineoplastic drugs used in the hospital pharmacy. <i>European Journal of Hospital Pharmacy</i> , 2021, 28, 94-99.	0.5	5
23	Scientific Opinion of the Scientific Panel on Plant Protection Products and their Residues (PPR Panel) on testing and interpretation of comparative in vitro metabolism studies. <i>EFSA Journal</i> , 2021, 19, e06970.	0.9	6
24	Analysis of Metabolomics Data – A Chemometrics Perspective. , 2020, , 483-505.		2
25	Development and validation of a chiral UHPLC-MS method for the analysis of cysteine enantiomers in biological samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112841.	1.4	33
26	Mass spectrometry metabolomic data handling for biomarker discovery. , 2020, , 369-388.		2
27	Implementation of liquid chromatography – high resolution mass spectrometry methods for untargeted metabolomic analyses of biological samples: A tutorial. <i>Analytica Chimica Acta</i> , 2020, 1105, 28-44.	2.6	83
28	Profiling of anabolic androgenic steroids and selective androgen receptor modulators for interference with adrenal steroidogenesis. <i>Biochemical Pharmacology</i> , 2020, 172, 113781.	2.0	10
29	Optimized one-pot derivatization and enantioseparation of cysteine: Application to the study of a dietary supplement. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 180, 113066.	1.4	7
30	Supercritical fluid chromatography – mass spectrometry in routine anti-doping analyses: Estimation of retention time variability under reproducible conditions. <i>Journal of Chromatography A</i> , 2020, 1616, 460780.	1.8	11
31	Steroid profile analysis by LC-HRMS in human seminal fluid. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1136, 121929.	1.2	13
32	Combining the advantages of multilevel and orthogonal partial least squares data analysis for longitudinal metabolomics: Application to kidney transplantation. <i>Analytica Chimica Acta</i> , 2020, 1099, 26-38.	2.6	7
33	Electromembrane Extraction of Highly Polar Compounds: Analysis of Cardiovascular Biomarkers in Plasma. <i>Metabolites</i> , 2020, 10, 4.	1.3	25
34	Evaluation of Different Tandem MS Acquisition Modes to Support Metabolite Annotation in Human Plasma Using Ultra High-Performance Liquid Chromatography High-Resolution Mass Spectrometry for Untargeted Metabolomics. <i>Metabolites</i> , 2020, 10, 464.	1.3	9
35	Exploring blood alterations in chronic kidney disease and haemodialysis using metabolomics. <i>Scientific Reports</i> , 2020, 10, 19502.	1.6	14
36	Capillary Electrophoresis-Mass Spectrometry at Trial by Metabo-Ring: Effective Electrophoretic Mobility for Reproducible and Robust Compound Annotation. <i>Analytical Chemistry</i> , 2020, 92, 14103-14112.	3.2	44

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37	Is pain temporary and glory forever? Detection of tramadol using dried blood spot in cycling competitions. <i>Drug Testing and Analysis</i> , 2020, 12, 1649-1657.	1.6	11
38	Development and validation of an UHPLC-MS/MS method for extended serum steroid profiling in female populations. <i>Bioanalysis</i> , 2020, 12, 753-768.	0.6	16
39	Applicability of Supercritical fluid chromatography-Mass spectrometry to metabolomics. II-Assessment of a comprehensive library of metabolites and evaluation of biological matrices. <i>Journal of Chromatography A</i> , 2020, 1620, 461021.	1.8	34
40	Hyperon polarization in relativistic heavy ion collisions and axial U(1) symmetry breaking at high temperature. <i>Physical Review C</i> , 2020, 101, .	1.1	26
41	Interlaboratory and Interplatform Study of Steroids Collision Cross Section by Traveling Wave Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 5013-5022.	3.2	56
42	Semen endocannabinoids are correlated to sperm quality in a cohort of 200 young Swiss men. <i>Andrology</i> , 2020, 8, 1126-1135.	1.9	11
43	Relaxation time for strange quark spin in rotating quark-gluon plasma. <i>Physical Review C</i> , 2020, 101, .	1.1	29
44	Comprehensive Examination of the Mouse Lung Metabolome Following <i>Mycobacterium tuberculosis</i> Infection Using a Multiplatform Mass Spectrometry Approach. <i>Journal of Proteome Research</i> , 2020, 19, 2053-2070.	1.8	35
45	Spin versus helicity equilibration times and Lagrangian for strange quarks in rotating quark-gluon plasma. <i>Physical Review C</i> , 2020, 102, .	1.1	8
46	Bacterial cell cycle control by citrate synthase independent of enzymatic activity. <i>ELife</i> , 2020, 9, .	2.8	11
47	Respiratory tissue-associated commensal bacteria offer therapeutic potential against pneumococcal colonization. <i>ELife</i> , 2020, 9, .	2.8	22
48	Spin-vorticity coupling for massive vector mesons. <i>Physical Review D</i> , 2020, 102, .	1.6	3
49	Liquid Chromatography-Tandem Mass Spectrometry Method for Ticagrelor and its Active Metabolite Determination in Human Plasma: Application to a Pharmacokinetic Study. <i>Current Analytical Chemistry</i> , 2020, 16, 602-608.	0.6	2
50	Steroidomics for highlighting novel serum biomarkers of testosterone doping. <i>Bioanalysis</i> , 2019, 11, 1169-1185.	0.6	23
51	Quantitative CE analysis of punicalagin in <i>Combretum aculeatum</i> extracts traditionally used in Senegal for the treatment of tuberculosis. <i>Electrophoresis</i> , 2019, 40, 2820-2827.	1.3	8
52	Impact of particle size gradients on the apparent efficiency of chromatographic columns. <i>Journal of Chromatography A</i> , 2019, 1603, 208-215.	1.8	10
53	Choosing an Optimal Sample Preparation in <i>Caulobacter crescentus</i> for Untargeted Metabolomics Approaches. <i>Metabolites</i> , 2019, 9, 193.	1.3	11
54	Inside Front cover: Quantitative CE analysis of punicalagin in <i>Combretum aculeatum</i> extracts traditionally used in Senegal for the treatment of tuberculosis. <i>Electrophoresis</i> , 2019, 40, NA.	1.3	0

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55	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> , 2019, 1132, 121819.	1.2	63
56	Protein pathway analysis to study development-dependent effects of acute and repeated trimethyltin (TMT) treatments in 3D rat brain cell cultures. <i>Toxicology in Vitro</i> , 2019, 60, 281-292.	1.1	5
57	An Integrative Multi-Omics Workflow to Address Multifactorial Toxicology Experiments. <i>Metabolites</i> , 2019, 9, 79.	1.3	24
58	DynaStI: A Dynamic Retention Time Database for Steroidomics. <i>Metabolites</i> , 2019, 9, 85.	1.3	18
59	Validation and uncertainty estimation for trace amounts determination of 25 drugs used in hospital chemotherapy compounding units. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 172, 139-148.	1.4	11
60	Antimycobacterial activity in a single-cell infection assay of ellagitannins from <i>Combretum aculeatum</i> and their bioavailable metabolites. <i>Journal of Ethnopharmacology</i> , 2019, 238, 111832.	2.0	10
61	Toward a better understanding of chronic kidney disease with complementary chromatographic methods hyphenated with mass spectrometry for improved polar metabolome coverage. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1116, 9-18.	1.2	15
62	Apparent efficiency of serially coupled columns in gradient elution liquid chromatography: Extension to the combination of any column formats. <i>Journal of Chromatography A</i> , 2019, 1588, 159-162.	1.8	5
63	Toxic doses of caffeine are needed to increase skeletal muscle contractility. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 316, C246-C251.	2.1	23
64	Removal of batch effects using stratified subsampling of metabolomic data for in vitro endocrine disruptors screening. <i>Talanta</i> , 2019, 195, 77-86.	2.9	10
65	A scoring approach for multi-platform acquisition in metabolomics. <i>Journal of Chromatography A</i> , 2019, 1592, 47-54.	1.8	40
66	Electromembrane extraction: Overview of the last decade. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 357-363.	5.8	126
67	Long-term stability of ganciclovir in polypropylene containers at room temperature. <i>Journal of Oncology Pharmacy Practice</i> , 2019, 25, 303-308.	0.5	4
68	UHPLC-HRMS Analysis for Steroid Profiling in Serum (Steroidomics). <i>Methods in Molecular Biology</i> , 2018, 1738, 261-278.	0.4	11
69	Implementation of a generic liquid chromatographic method development workflow: Application to the analysis of phytocannabinoids and <i>Cannabis sativa</i> extracts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 155, 116-124.	1.4	31
70	Determination of 16 antineoplastic drugs by capillary electrophoresis with UV detection: Applications in quality control. <i>Electrophoresis</i> , 2018, 39, 2512-2520.	1.3	13
71	Impact of Boosted Antiretroviral Therapy on the Pharmacokinetics and Efficacy of Clopidogrel and Prasugrel Active Metabolites. <i>Clinical Pharmacokinetics</i> , 2018, 57, 1347-1354.	1.6	52
72	Survey on medicinal plants traditionally used in Senegal for the treatment of tuberculosis (TB) and assessment of their antimycobacterial activity. <i>Journal of Ethnopharmacology</i> , 2018, 216, 71-78.	2.0	20

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73	ROMANCE: A new software tool to improve data robustness and feature identification in CE-MS metabolomics. <i>Electrophoresis</i> , 2018, 39, 1222-1232.	1.3	40
74	From method validation to result assessment: Established facts and pending questions. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 68-74.	5.8	23
75	Steroid profiles in both blood serum and seminal plasma are not correlated and do not reflect sperm quality: Study on the male reproductive health of fifty young Swiss men. <i>Clinical Biochemistry</i> , 2018, 62, 39-46.	0.8	16
76	Prediction of drug-drug interactions using physiologically-based pharmacokinetic models of CYP450 modulators included in Simcyp software. <i>Biopharmaceutics and Drug Disposition</i> , 2018, 39, 3-17.	1.1	33
77	Sample preparation for polar metabolites in bioanalysis. <i>Analyst</i> , The, 2018, 143, 16-20.	1.7	46
78	Evolution in the design of a low sheath-flow interface for CE-MS and application to biological samples. <i>Electrophoresis</i> , 2018, 39, 853-861.	1.3	16
79	Metabolomics in chronic kidney disease: Strategies for extended metabolome coverage. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 161, 313-325.	1.4	23
80	Effective mobility as a robust criterion for compound annotation and identification in metabolomics: Toward a mobility-based library. <i>Analytica Chimica Acta</i> , 2018, 1032, 178-187.	2.6	42
81	Integration of Metabolomic Data From Multiple Analytical Platforms: Towards Extensive Coverage of the Metabolome. <i>Comprehensive Analytical Chemistry</i> , 2018, , 477-504.	0.7	0
82	Dynamics of Metabolite Induction in Fungal Co-cultures by Metabolomics at Both Volatile and Non-volatile Levels. <i>Frontiers in Microbiology</i> , 2018, 9, 72.	1.5	40
83	Facile Synthesis, Size-Separation, Characterization, and Antimicrobial Properties of Thiolated Copper Clusters. <i>ACS Applied Nano Materials</i> , 2018, 1, 4258-4267.	2.4	28
84	Apparent efficiency of serially coupled columns in isocratic and gradient elution modes. <i>Journal of Chromatography A</i> , 2018, 1571, 121-131.	1.8	15
85	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> , 2018, 1562, 96-107.	1.8	84
86	FOUR TOWARDS A BETTER UNDERSTANDING OF KIDNEY DISEASE USING METABOLOMICS. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, i35-i35.	0.4	0
87	New supported liquid membrane for electromembrane extraction of polar basic endogenous metabolites. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 159, 53-59.	1.4	35
88	Extracting Knowledge from MS Clinical Metabolomic Data: Processing and Analysis Strategies. <i>Methods in Molecular Biology</i> , 2018, 1730, 371-384.	0.4	1
89	Steroid profiling in H295R cells to identify chemicals potentially disrupting the production of adrenal steroids. <i>Toxicology</i> , 2017, 381, 51-63.	2.0	42
90	Usefulness of PBPK Modeling in Incorporation of Clinical Conditions in Personalized Medicine. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 2380-2391.	1.6	56

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91	Enhanced metabolite annotation via dynamic retention time prediction: Steroidogenesis alterations as a case study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1071, 11-18.	1.2	25
92	Indirect quantitative structure-retention relationship for steroid identification: A chemometric challenge at "Chimie 2016": <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 160, 52-58.	1.8	2
93	Development of a New Extraction Device Based on Parallel-Electromembrane Extraction. <i>Analytical Chemistry</i> , 2017, 89, 6346-6350.	3.2	41
94	High-resolution mass spectrometry as an alternative detection method to tandem mass spectrometry for the analysis of endogenous steroids in serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1052, 34-42.	1.2	34
95	Metabolomic analysis of urine samples by UHPLC-QTOF-MS: Impact of normalization strategies. <i>Analytica Chimica Acta</i> , 2017, 955, 27-35.	2.6	129
96	Optimization of non-linear gradient in hydrophobic interaction chromatography for the analytical characterization of antibody-drug conjugates. <i>Journal of Chromatography A</i> , 2017, 1481, 82-91.	1.8	24
97	Unravelling the effects of multiple experimental factors in metabolomics, analysis of human neural cells with hydrophilic interaction liquid chromatography hyphenated to high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1527, 53-60.	1.8	27
98	ERE-dependent transcription and cell proliferation: Independency of these two processes mediated by the introduction of a sulfone function into the weak estrogen estrothiazine. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 109, 169-181.	1.9	5
99	HDM-PAMPA to predict gastrointestinal absorption, binding percentage, equilibrium and kinetics constants with human serum albumin and using 2 end-point measurements. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 97, 143-150.	1.9	16
100	Characterization of oxycodone in vitro metabolism by human cytochromes P450 and UDP-glucuronosyltransferases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 144, 129-137.	1.4	23
101	Stability of busulfan solutions in polypropylene syringes and infusion bags as determined with an original assay. <i>American Journal of Health-System Pharmacy</i> , 2017, 74, 1887-1894.	0.5	1
102	Statistical Correlations between HPLC Activity-Based Profiling Results and NMR/MS Microfraction Data to Deconvolute Bioactive Compounds in Mixtures. <i>Molecules</i> , 2016, 21, 259.	1.7	15
103	Coadministration of ticagrelor and ritonavir: Toward prospective dose adjustment to maintain an optimal platelet inhibition using the PBPK approach. <i>Clinical Pharmacology and Therapeutics</i> , 2016, 100, 295-304.	2.3	36
104	Evaluation of a new low sheath-flow interface for CE-MS. <i>Electrophoresis</i> , 2016, 37, 936-946.	1.3	29
105	Dynamic-Electromembrane Extraction: A Technical Development for the Extraction of Neuropeptides. <i>Analytical Chemistry</i> , 2016, 88, 5308-5315.	3.2	42
106	Longitudinal Monitoring of Endogenous Blood Steroids as a Tool to Detect Testosterone Abuse in Sport. <i>Chimia</i> , 2016, 70, 208.	0.3	0
107	Exploring Omics data from designed experiments using analysis of variance multiblock Orthogonal Partial Least Squares. <i>Analytica Chimica Acta</i> , 2016, 920, 18-28.	2.6	63
108	Capillary Electrophoresis-Ultraviolet-Mass Spectrometry (CE-UV-MS) for the Simultaneous Determination and Quantification of Insulin Formulations. <i>Methods in Molecular Biology</i> , 2016, 1466, 185-195.	0.4	1

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109	Intestinal permeability and P-glycoprotein-mediated efflux transport of ticagrelor in Caco-2 monolayer cells. <i>Fundamental and Clinical Pharmacology</i> , 2016, 30, 577-584.	1.0	20
110	Structured plant metabolomics for the simultaneous exploration of multiple factors. <i>Scientific Reports</i> , 2016, 6, 37390.	1.6	39
111	Evaluation of capillary electrophoresis-mass spectrometry for the analysis of the conformational heterogeneity of intact proteins using beta2-microglobulin as model compound. <i>Analytica Chimica Acta</i> , 2016, 945, 102-109.	2.6	20
112	High-throughput identification of monoclonal antibodies after compounding by UV spectroscopy coupled to chemometrics analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5915-5924.	1.9	11
113	An extensive cocktail approach for rapid risk assessment of in vitro CYP450 direct reversible inhibition by xenobiotic exposure. <i>Toxicology and Applied Pharmacology</i> , 2016, 302, 41-51.	1.3	16
114	Methods for Doping Detection. <i>Frontiers of Hormone Research</i> , 2016, 47, 153-167.	1.0	12
115	Separation of substrates and closely related glucuronide metabolites using various chromatographic modes. <i>Journal of Chromatography A</i> , 2016, 1435, 54-65.	1.8	18
116	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> , 2016, 408, 705-719.	1.9	57
117	Prediction of retention time in reversed-phase liquid chromatography as a tool for steroid identification. <i>Analytica Chimica Acta</i> , 2016, 916, 8-16.	2.6	58
118	Analysis of Riboflavin Compounds in the Rabbit Cornea <i>In Vivo</i> . <i>Current Eye Research</i> , 2016, 41, 1166-1172.	0.7	10
119	Evaluation and identification of dioxin exposure biomarkers in human urine by high-resolution metabolomics, multivariate analysis and in vitro synthesis. <i>Toxicology Letters</i> , 2016, 240, 22-31.	0.4	27
120	Evaluation of Quantification Methods to Compensate for Matrix Effects in the Analysis of Benzalkonium Chloride and Didecyltrimethylammonium Chloride in Fruits and Vegetables by LC-ESI-MS/MS. <i>Food Analytical Methods</i> , 2016, 9, 485-499.	1.3	10
121	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> , 2016, 1430, 97-112.	1.8	80
122	Identification and Data Processing Methods in Metabolomics. , 2015, , .		0
123	Evaluation of chemical contamination of surfaces during the preparation of chemotherapies in 24 hospital pharmacies. <i>European Journal of Hospital Pharmacy</i> , 2015, 22, 333-341.	0.5	25
124	Inhibition screening method of microsomal UGTs using the cocktail approach. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 71, 35-45.	1.9	20
125	Efficacy of Two Cleaning Solutions for the Decontamination of 10 Antineoplastic Agents in the Biosafety Cabinets of a Hospital Pharmacy. <i>Annals of Occupational Hygiene</i> , 2015, 59, 895-908.	1.9	27
126	Integrating metabolomic data from multiple analytical platforms for a comprehensive characterisation of lemon essential oils. <i>Flavour and Fragrance Journal</i> , 2015, 30, 131-138.	1.2	14



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127	Steroidomic Footprinting Based on Ultra-High Performance Liquid Chromatography Coupled with Qualitative and Quantitative High-Resolution Mass Spectrometry for the Evaluation of Endocrine Disrupting Chemicals in H295R Cells. <i>Chemical Research in Toxicology</i> , 2015, 28, 955-966.	1.7	24
128	Aminoglycoside analysis in food of animal origin with a zwitterionic stationary phase and liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 882, 127-139.	2.6	64
129	Treatment with KLEPTOSE <sup>®</sup> CRYSMEB reduces mouse atherogenesis by impacting on lipid profile and Th1 lymphocyte response. <i>Vascular Pharmacology</i> , 2015, 72, 197-208.	1.0	14
130	Multi-way PLS regression: Monotony convergence of tri-linear PLS2 and optimality of parameters. <i>Computational Statistics and Data Analysis</i> , 2015, 83, 129-139.	0.7	10
131	Untargeted profiling of urinary steroid metabolites after testosterone ingestion: opening new perspectives for antidoping testing. <i>Bioanalysis</i> , 2014, 6, 2523-2536.	0.6	25
132	Differentiation of lemon essential oil based on volatile and non-volatile fractions with various analytical techniques: a metabolomic approach. <i>Food Chemistry</i> , 2014, 143, 325-335.	4.2	92
133	Online Microreactor Titanium Dioxide RPLC-LTQ-Orbitrap MS Automated Platform for Shotgun Analysis of (Phospho) Proteins in Human Amniotic Fluid. <i>Chromatographia</i> , 2014, 77, 39-50.	0.7	2
134	Multi-way PLS for discrimination: Compact form equivalent to the tri-linear PLS2 procedure and its monotony convergence. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 133, 25-32.	1.8	18
135	New insights in carbohydrate-deficient transferrin analysis with capillary electrophoresis-mass spectrometry. <i>Forensic Science International</i> , 2014, 243, 14-22.	1.3	20
136	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> , 2014, 101, 221-237.	1.4	81
137	Comprehensive profiling and marker identification in non-volatile citrus oil residues by mass spectrometry and nuclear magnetic resonance. <i>Food Chemistry</i> , 2014, 150, 235-245.	4.2	26
138	Retention modeling and method development in hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2014, 1337, 116-127.	1.8	63
139	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> , 2014, 1371, 244-256.	1.8	40
140	Harnessing the complexity of metabolomic data with chemometrics. <i>Journal of Chemometrics</i> , 2014, 28, 1-9.	0.7	90
141	Population Normalization with Ammonium in Wastewater-Based Epidemiology: Application to Illicit Drug Monitoring. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8162-8169.	4.6	155
142	Coupling ultra-high-pressure liquid chromatography with mass spectrometry for in-vitro drug-metabolism studies. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 63, 129-139.	5.8	29
143	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> , 2014, 406, 2627-2640.	1.9	34
144	Human urinary biomarkers of dioxin exposure: Analysis by metabolomics and biologically driven data dimensionality reduction. <i>Toxicology Letters</i> , 2014, 230, 234-243.	0.4	51

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145	Non-aqueous capillary electrophoresis for the analysis of acidic compounds using negative electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1323, 163-173.	1.8	30
146	Phenotyping of CYP450 in human liver microsomes using the cocktail approach. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4875-4887.	1.9	27
147	Derivation of uncertainty functions from validation studies in biological fluids: Application to the analysis of caffeine and its major metabolites in human plasma samples. <i>Journal of Chromatography A</i> , 2014, 1353, 121-130.	1.8	20
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