

Serge Rudaz

List of Publications by Year in descending order

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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	Fast analysis in liquid chromatography using small particle size and high pressure. <i>Journal of Separation Science</i> , 2006, 29, 1836-1848.	1.3	293
2	Spatial and Temporal Dynamics of Jasmonate Synthesis and Accumulation in Arabidopsis in Response to Wounding. <i>Journal of Biological Chemistry</i> , 2008, 283, 16400-16407.	1.6	293
3	New trends in fast and high-resolution liquid chromatography: a critical comparison of existing approaches. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1069-1082.	1.9	257
4	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> , 2004, 801, 141-156.	1.2	236
5	Analysis of recent pharmaceutical regulatory documents on analytical method validation. <i>Journal of Chromatography A</i> , 2007, 1158, 111-125.	1.8	229
6	Velocity Estimates for Signal Propagation Leading to Systemic Jasmonic Acid Accumulation in Wounded Arabidopsis. <i>Journal of Biological Chemistry</i> , 2009, 284, 34506-34513.	1.6	213
7	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> , 2008, 68, 430-440.	2.0	191
8	Coupling ultra-high-pressure liquid chromatography with mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 15-27.	5.8	176
9	Matrix effect in LC-ESI-MS and LC-APCI-MS with off-line and on-line extraction procedures. <i>Journal of Chromatography A</i> , 2004, 1058, 61-66.	1.8	163
10	Knowledge discovery in metabolomics: An overview of MS data handling. <i>Journal of Separation Science</i> , 2010, 33, 290-304.	1.3	158
11	Population Normalization with Ammonium in Wastewater-Based Epidemiology: Application to Illicit Drug Monitoring. <i>Environmental Science & Technology</i> , 2014, 48, 8162-8169.	4.6	155
12	Intact protein analysis in the biopharmaceutical field. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 810-822.	1.4	150
13	Metabolomics reveals herbivore-induced metabolites of resistance and susceptibility in maize leaves and roots. <i>Plant, Cell and Environment</i> , 2013, 36, 621-639.	2.8	149
14	Atmospheric pressure photoionization for coupling liquid-chromatography to mass spectrometry: A review. <i>Talanta</i> , 2009, 78, 1-18.	2.9	146
15	Recent developments in liquid chromatography—Impact on qualitative and quantitative performance. <i>Journal of Chromatography A</i> , 2007, 1149, 20-29.	1.8	140
16	Plant metabolomics: from holistic data to relevant biomarkers. <i>Current Medicinal Chemistry</i> , 2013, 20, 1056-90.	1.2	136
17	A systematic investigation of the effect of sample diluent on peak shape in hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 8230-8240.	1.8	134
18	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

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19	Plant Metabolomics: From Holistic Data to Relevant Biomarkers. <i>Current Medicinal Chemistry</i> , 2013, 20, 1056-1090.	1.2	127
20	Electromembrane extraction: Overview of the last decade. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 357-363.	5.8	126
21	Characterization and classification of matrix effects in biological samples analyses. <i>Journal of Chromatography A</i> , 2010, 1217, 4071-4078.	1.8	117
22	High throughput liquid chromatography with sub-2½m particles at high pressure and high temperature. <i>Journal of Chromatography A</i> , 2007, 1167, 76-84.	1.8	115
23	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> , 2007, 66, 475-482.	2.0	114
24	Fast analysis of doping agents in urine by ultra-high-pressure liquid chromatography-“quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 4423-4433.	1.8	113
25	Importance of instrumentation for fast liquid chromatography in pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 87, 105-119.	1.4	113
26	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> , 2004, 1045, 99-109.	1.8	107
27	Capillary electrophoresis-“electrospray ionization-mass spectrometry interfaces: Fundamental concepts and technical developments. <i>Journal of Chromatography A</i> , 2012, 1267, 17-31.	1.8	106
28	Therapeutic drug monitoring of seven psychotropic drugs and four metabolites in human plasma by HPLC-“MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 50, 1000-1008.	1.4	104
29	Analytical strategies for the characterization of therapeutic monoclonal antibodies. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 42, 74-83.	5.8	104
30	Chromatographic behaviour and comparison of column packed with sub-2½m stationary phases in liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1128, 105-113.	1.8	101
31	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> , 2008, 1180, 90-98.	1.8	97
32	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> , 2008, 871, 261-270.	1.2	96
33	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
34	Harnessing the complexity of metabolomic data with chemometrics. <i>Journal of Chemometrics</i> , 2014, 28, 1-9.	0.7	90
35	Use of vancomycin silica stationary phase in packed capillary electrochromatography. <i>Journal of Chromatography A</i> , 2001, 919, 195-203.	1.8	87
36	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

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37	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
38	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> , 2011, 400, 503-516.	1.9	82
39	Practical Constraints in the Kinetic Plot Representation of Chromatographic Performance Data: A Theory and Application to Experimental Data. <i>Analytical Chemistry</i> , 2006, 78, 2150-2162.	3.2	81
40	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
41	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
42	Protein precipitation for the analysis of a drug cocktail in plasma by LC–ESI–MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 913-920.	1.4	79
43	An effective lagrangian with broken scale and chiral symmetry applied to nuclear matter and finite nuclei. <i>Nuclear Physics A</i> , 1994, 571, 713-732.	0.6	78
44	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> , 2000, 868, 295-303.	1.8	77
45	On-line capillary electrophoresis-electrospray mass spectrometry for the stereoselective analysis of drugs and metabolites. <i>Electrophoresis</i> , 2001, 22, 3308-3315.	1.3	75
46	Silica and other materials as supports in liquid chromatography. Chromatographic tests and their importance for evaluating these supports. Part I. <i>Chromatographia</i> , 2001, 53, S113-S131.	0.7	74
47	Experimental designs to investigate capillary electrophoresis-electrospray ionization-mass spectrometry enantioseparation with the partial-filling technique. <i>Electrophoresis</i> , 2001, 22, 3316-3326.	1.3	74
48	Systematic comparison of sensitivity between hydrophilic interaction liquid chromatography and reversed phase liquid chromatography coupled with mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1312, 49-57.	1.8	73
49	Improved quality-by-design compliant methodology for method development in reversed-phase liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 84, 215-223.	1.4	71
50	Screening of the most relevant parameters for method development in ultra-high performance hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2013, 1282, 72-83.	1.8	68
51	Enantiomeric separation of fluoxetine and norfluoxetine in plasma and serum samples with high detection sensitivity capillary electrophoresis. <i>Electrophoresis</i> , 1999, 20, 3432-3438.	1.3	67
52	A steroidomic approach for biomarkers discovery in doping control. <i>Forensic Science International</i> , 2011, 213, 85-94.	1.3	66
53	CE–TOF/MS: Fundamental concepts, instrumental considerations and applications. <i>Electrophoresis</i> , 2009, 30, 1610-1623.	1.3	65
54	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> , 2009, 1216, 3232-3243.	1.8	64

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55	Reliable low-cost capillary electrophoresis device for drug quality control and counterfeit medicines. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 1278-1287.	1.4	64
56	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
57	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> , 2000, 23, 107-115.	1.4	63
58	Optimisation of accelerated solvent extraction of cocaine and benzoylecgonine from coca leaves. <i>Journal of Separation Science</i> , 2001, 24, 865-873.	1.3	63
59	Infinite enantiomeric resolution of basic compounds using highly sulfated cyclodextrin as chiral selector in capillary electrophoresis. <i>Electrophoresis</i> , 2003, 24, 2633-2641.	1.3	63
60	Retention modeling and method development in hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2014, 1337, 116-127.	1.8	63
61	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
62	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
63	Impact of mobile phase temperature on recovery and stability of monoclonal antibodies using recent reversed-phase stationary phases. <i>Journal of Separation Science</i> , 2012, 35, 3113-3123.	1.3	62
64	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> , 2013, 73, 82-89.	1.4	62
65	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> , 2009, 1216, 5660-5668.	1.8	61
66	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> , 2005, 826, 17-25.	1.2	60
67	Sample preparation development and matrix effects evaluation for multianalyte determination in urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 459-467.	1.4	59
68	Coupling ultra high-pressure liquid chromatography with single quadrupole mass spectrometry for the analysis of a complex drug mixture. <i>Talanta</i> , 2009, 78, 377-387.	2.9	59
69	Ultra High Pressure Liquid Chromatography for Crude Plant Extract Profiling. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 51-70.	0.7	59
70	Validation of capillary electrophoresis-mass spectrometry methods for the analysis of a pharmaceutical formulation. <i>Electrophoresis</i> , 2003, 24, 3049-3056.	1.3	58
71	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> , 2010, 1217, 4109-4119.	1.8	58
72	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

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73	Highly sensitive capillary electrophoresis-mass spectrometry for rapid screening and accurate quantitation of drugs of abuse in urine. <i>Analytica Chimica Acta</i> , 2013, 780, 101-109.	2.6	57
74	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
75	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
76	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
77	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> , 2009, 57, 1127-1134.	2.4	54
78	Microextraction techniques combined with capillary electrophoresis in bioanalysis. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 125-141.	1.9	54
79	Simultaneous stereoselective analysis by capillary electrophoresis of tramadol enantiomers and their main phase I metabolites in urine. <i>Journal of Chromatography A</i> , 1999, 846, 227-237.	1.8	53
80	Simultaneous quantification of cyclosporine, tacrolimus, sirolimus and everolimus in whole blood by liquid chromatography-electrospray mass spectrometry. <i>Clinical Biochemistry</i> , 2008, 41, 728-735.	0.8	53
81	Time course of clinical response to venlafaxine: relevance of plasma level and chirality. <i>European Journal of Clinical Pharmacology</i> , 2004, 59, 883-891.	0.8	52
82	Evaluation and comparison of various separation techniques for the analysis of closely-related compounds of pharmaceutical interest. <i>Journal of Chromatography A</i> , 2013, 1282, 172-177.	1.8	52
83	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
84	Nanoscale liquid chromatography and capillary electrophoresis coupled to electrospray mass spectrometry for the detection of amyloid- β^2 peptide related to Alzheimer's disease. <i>Journal of Chromatography A</i> , 2002, 974, 135-142.	1.8	51
85	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
86	Enantioselective analysis of methadone in saliva by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2000, 871, 163-172.	1.8	49
87	LC method for the determination of R-timolol in S-timolol maleate: Validation of its ability to quantify and uncertainty assessment. <i>Talanta</i> , 2006, 68, 1166-1175.	2.9	49
88	Trypsin immobilization on three monolithic disks for on-line protein digestion. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 398-407.	1.4	49
89	Analysis of recombinant monoclonal antibodies by RPLC: Toward a generic method development approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 70, 158-168.	1.4	49
90	Column-Switching Procedures for the Fast Analysis of Drugs in Biologic Samples. <i>Therapeutic Drug Monitoring</i> , 2004, 26, 161-166.	1.0	48

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91	Relation between the particle size distribution and the kinetic performance of packed columns. <i>Journal of Chromatography A</i> , 2007, 1161, 224-233.	1.8	48
92	Validation of chiral capillary electrophoresis-electrospray ionization-mass spectrometry methods for ecstasy and methadone in plasma. <i>Electrophoresis</i> , 2008, 29, 2193-2202.	1.3	48
93	Fast chiral separation of drugs using columns packed with sub- μm particles and ultra-high pressure. <i>Chirality</i> , 2010, 22, 320-330.	1.3	48
94	Nonaqueous capillary electrophoresis method for the enantiomeric purity determination of S-timolol using heptakis(2,3-di-O-methyl-6-O-sulfo)- β -cyclodextrin: Validation using the accuracy profile strategy and estimation of uncertainty. <i>Journal of Chromatography A</i> , 2006, 1120, 102-111.	1.8	47
95	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> , 2007, 845, 244-252.	1.2	47
96	Stereoselective determination of methadone in serum by HPLC following solid-phase extraction on disk. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1996, 14, 1271-1279.	1.4	46
97	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> , 2003, 492, 271-282.	2.6	46
98	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> , 2007, 30, 2268-2278.	1.3	46
99	Development of immobilized enzyme reactors based on human recombinant cytochrome P450 enzymes for phase I drug metabolism studies. <i>Journal of Chromatography A</i> , 2008, 1206, 2-10.	1.8	46
100	Analytical aspects in doping control: Challenges and perspectives. <i>Forensic Science International</i> , 2011, 213, 49-61.	1.3	46
101	Temporal Variability of Antibiotics Fluxes in Wastewater and Contribution from Hospitals. <i>PLoS ONE</i> , 2013, 8, e53592.	1.1	46
102	Sample preparation for polar metabolites in bioanalysis. <i>Analyst</i> , 2018, 143, 16-20.	1.7	46
103	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
104	Comparison of columns packed with porous sub- μm particles and superficially porous sub- μm particles for peptide analysis at ambient and high temperature. <i>Journal of Separation Science</i> , 2010, 33, 2465-2477.	1.3	45
105	Isolation and quantification by high-performance liquid chromatography-ion-trap mass spectrometry of androgen sulfoconjugates in human urine. <i>Journal of Chromatography A</i> , 2008, 1196-1197, 153-160.	1.8	44
106	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
107	Rapid stereoselective separations of amphetamine derivatives with highly sulfated β -cyclodextrin. <i>Electrophoresis</i> , 2005, 26, 3910-3920.	1.3	43
108	Use of organic solvent to prevent protein adsorption in CE-MS experiments. <i>Electrophoresis</i> , 2010, 31, 3326-3333.	1.3	43

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109	Fast Determination of Lipophilicity by HPLC. <i>Chromatographia</i> , 2005, 62, 251-255.	0.7	42
110	Microemulsion electrokinetic chromatography hyphenated to atmospheric pressure photoionization mass spectrometry. <i>Electrophoresis</i> , 2008, 29, 11-19.	1.3	42
111	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> , 2009, 877, 2235-2243.	1.2	42
112	Evaluation of a sheathless nanospray interface based on a porous tip sprayer for CE-ESI-MS coupling. <i>Electrophoresis</i> , 2012, 33, 552-562.	1.3	42
113	Contribution of various types of liquid chromatography-mass spectrometry instruments to band broadening in fast analysis. <i>Journal of Chromatography A</i> , 2013, 1310, 45-55.	1.8	42
114	Dynamic-Electromembrane Extraction: A Technical Development for the Extraction of Neuropeptides. <i>Analytical Chemistry</i> , 2016, 88, 5308-5315.	3.2	42
115	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
116	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
117	Silica and other materials as supports in liquid chromatography. Chromatographic tests and their importance for evaluating these supports. Part II. <i>Chromatographia</i> , 2001, 53, S132-S140.	0.7	41
118	Fast log P determination by ultra-high-pressure liquid chromatography coupled with UV and mass spectrometry detections. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1919-1930.	1.9	41
119	Development of a New Extraction Device Based on Parallel-Electromembrane Extraction. <i>Analytical Chemistry</i> , 2017, 89, 6346-6350.	3.2	41
120	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
121	Matrix effect in LC-ESI-MS and LC-APCI-MS with off-line and on-line extraction procedures. <i>Journal of Chromatography A</i> , 2004, 1058, 61-6.	1.8	41
122	Nonaqueous capillary electrophoresis-mass spectrometry for separation of venlafaxine and its phase I metabolites. <i>Electrophoresis</i> , 2001, 22, 491-496.	1.3	40
123	Pharmaceutical Applications on Columns Packed with Sub-2 μ m Particles. <i>Journal of Chromatographic Science</i> , 2008, 46, 199-208.	0.7	40
124	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
125	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
126	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

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127	A scoring approach for multi-platform acquisition in metabolomics. <i>Journal of Chromatography A</i> , 2019, 1592, 47-54.	1.8	40
128	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> , 2008, 41, 910-913.	0.8	39
129	Structured plant metabolomics for the simultaneous exploration of multiple factors. <i>Scientific Reports</i> , 2016, 6, 37390.	1.6	39
130	ON THE PRODUCTION OF FLUX VORTICES AND MAGNETIC MONOPOLES IN PHASE TRANSITIONS. <i>Modern Physics Letters A</i> , 1993, 08, 1443-1450.	0.5	38
131	Chiral stationary phases in HPLC for the stereoselective determination of methadone. , 1999, 11, 319-325.		38
132	Coupling CE with atmospheric pressure photoionization MS for pharmaceutical basic compounds: Optimization of operating parameters. <i>Electrophoresis</i> , 2007, 28, 3078-3087.	1.3	37
133	Extraction and analysis of different Cannabis samples by headspace solid-phase microextraction combined with gas chromatography-mass spectrometry. <i>Journal of Separation Science</i> , 2005, 28, 2293-2300.	1.3	36
134	A multi-target screening analysis in human plasma using fast liquid chromatography–hybrid tandem mass spectrometry (Part I). <i>Clinical Biochemistry</i> , 2011, 44, 32-44.	0.8	36
135	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
136	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> , 2006, 832, 249-255.	1.2	35
137	Multivariate data analysis of rapid LC-TOF/MS experiments from <i>Arabidopsis thaliana</i> stressed by wounding. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007, 86, 189-197.	1.8	35
138	Trypsin immobilization on an ethylenediamine-based monolithic minidisk for rapid on-line peptide mass fingerprinting studies. <i>Journal of Chromatography A</i> , 2009, 1216, 2695-2699.	1.8	35
139	Determination of potassium, sodium, calcium and magnesium in total parenteral nutrition formulations by capillary electrophoresis with contactless conductivity detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 130-136.	1.4	35
140	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> , 2010, 1217, 8041-8047.	1.8	35
141	Mass spectrometry–based metabolomics oriented by correlation analysis for wound–induced molecule discovery: identification of a novel jasmonate glucoside. <i>Phytochemical Analysis</i> , 2010, 21, 95-101.	1.2	35
142	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
143	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
144	Enhanced method performances for conventional and chiral CE-ESI/MS analyses in plasma. <i>Electrophoresis</i> , 2006, 27, 1537-1546.	1.3	34

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145	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> , 2008, 22, 3154-3160.	0.7	34
146	High-Throughput log _P Determination by Ultrapformance Liquid Chromatography: A Convenient Tool for Medicinal Chemists. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 396-399.	2.9	34
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