Jean-Luc Veuthey

List of Publications by Year
in descending order

249 papers	13,196 citations	19608 61 h-index	35952 97 g-index

253 all docs	253 docs citations	253 times ranked	10702 citing authors

#	Article	IF	Citations
1	Identification and Functional Expression of the Mitochondrial Pyruvate Carrier. Science, 2012, 337, 93-96.	6.0	588
2	Analysis of anticancer drugs: A review. Talanta, 2011, 85, 2265-2289.	2.9	413
3	Drugâ€“protein binding: a critical review of analytical tools. Analytical and Bioanalytical Chemistry, 2010, 398, 53-66.	1.9	326
4	Fast analysis in liquid chromatography using small particle size and high pressure. Journal of Separation Science, 2006, 29, 1836-1848.	1.3	293
5	New trends in fast and high-resolution liquid chromatography: a critical comparison of existing approaches. Analytical and Bioanalytical Chemistry, 2010, 397, 1069-1082.	1.9	257
6	Theory and practice of size exclusion chromatography for the analysis of protein aggregates. Journal of Pharmaceutical and Biomedical Analysis, 2014, 101, 161-173.	1.4	226
7	Method transfer for fast liquid chromatography in pharmaceutical analysis: Application to short columns packed with small particle. Part II: Gradient experiments. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 68, 430-440.	2.0	191
8	Ion-exchange chromatography for the characterization of biopharmaceuticals. Journal of Pharmaceutical and Biomedical Analysis, 2015, 113, 43-55.	1.4	186
9	Coupling ultra-high-pressure liquid chromatography with mass spectrometry. TrAC - Trends in Analytical Chemistry, 2010, 29, 15-27.	5.8	176
10	Comparison of ultra-high performance supercritical fluid chromatography and ultra-high performance liquid chromatography for the analysis of pharmaceutical compounds. Journal of Chromatography A, 2012, 1266, 158-167.	1.8	173
11	Matrix effect in LC-ESI-MS and LC-APCI-MS with off-line and on-line extraction procedures. Journal of Chromatography A, 2004, 1058, 61-66.	1.8	163
12	Knowledge discovery in metabolomics: An overview of MS data handling. Journal of Separation Science, 2010, 33, 290-304.	1.3	158
13	Intact protein analysis in the biopharmaceutical field. Journal of Pharmaceutical and Biomedical Analysis, 2011, 55, 810-822.	1.4	150
14	Atmospheric pressure photoionization for coupling liquid-chromatography to mass spectrometry: A review. Talanta, 2009, 78, 1-18.	2.9	146
15	Recent developments in liquid chromatographyâ€”Impact on qualitative and quantitative performance. Journal of Chromatography A, 2007, 1149, 20-29.	1.8	140
16	Current and future trends in UHPLC. TrAC - Trends in Analytical Chemistry, 2014, 63, 2-13.	5.8	140
17	Adding a new separation dimension to MS and LCâ€“MS: What is the utility of ion mobility spectrometry?. Journal of Separation Science, 2018, 41, 20-67.	1.3	140
18	A systematic investigation of the effect of sample diluent on peak shape in hydrophilic interaction liquid chromatography. Journal of Chromatography A, 2010, 1217, 8230-8240.	1.8	134

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19	Coupling ultra high-pressure liquid chromatography with mass spectrometry: Constraints and possible applications. Journal of Chromatography A, 2013, 1292, 2-18.	1.8	129
20	Strategies for formulating and delivering poorly water-soluble drugs. Journal of Drug Delivery Science and Technology, 2015, 30, 342-351.	1.4	125
21	New trends in reversed-phase liquid chromatographic separations of therapeutic peptides and proteins: Theory and applications. Journal of Pharmaceutical and Biomedical Analysis, 2012, 69, 9-27.	1.4	120
22	Characterization and classification of matrix effects in biological samples analyses. Journal of Chromatography A, 2010, 1217, 4071-4078.	1.8	117
23	High throughput liquid chromatography with sub-2Î¼m particles at high pressure and high temperature. Journal of Chromatography A, 2007, 1167, 76-84.	1.8	115
24	Method transfer for fast liquid chromatography in pharmaceutical analysis: Application to short columns packed with small particle. Part I: Isocratic separation. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 66, 475-482.	2.0	114
25	Evaluation of various HILIC materials for the fast separation of polar compounds. Journal of Separation Science, 2010, 33, 752-764.	1.3	107
26	Coupling state-of-the-art supercritical fluid chromatography and mass spectrometry: From hyphenation interface optimization to high-sensitivity analysis of pharmaceutical compounds. Journal of Chromatography A, 2014, 1339, 174-184.	1.8	107
27	Therapeutic drug monitoring of seven psychotropic drugs and four metabolites in human plasma by HPLCâ€“MS. Journal of Pharmaceutical and Biomedical Analysis, 2009, 50, 1000-1008.	1.4	104
28	Hydrophobic interaction chromatography for the characterization of monoclonal antibodies and related products. Journal of Pharmaceutical and Biomedical Analysis, 2016, 130, 3-18.	1.4	104
29	Chromatographic behaviour and comparison of column packed with sub-2Î¼m stationary phases in liquid chromatography. Journal of Chromatography A, 2006, 1128, 105-113.	1.8	101
30	Analysis of basic compounds by supercritical fluid chromatography: Attempts to improve peak shape and maintain mass spectrometry compatibility. Journal of Chromatography A, 2012, 1262, 205-213.	1.8	101
31	Optimized liquid chromatographyâ€“mass spectrometry approach for the isolation of minor stress biomarkers in plant extracts and their identification by capillary nuclear magnetic resonance. Journal of Chromatography A, 2008, 1180, 90-98.	1.8	97
32	Maximizing kinetic performance in supercritical fluid chromatography using state-of-the-art instruments. Journal of Chromatography A, 2013, 1314, 288-297.	1.8	94
33	Chiral separation of amphetamines by high-performance capillary electrophoresis. Journal of Chromatography A, 1995, 717, 219-228.	1.8	92
34	Ultra high performance supercritical fluid chromatography coupled with tandem mass spectrometry for screening of doping agents. II: Analysis of biological samples. Analytica Chimica Acta, 2015, 853, 647-659.	2.6	90
35	Simultaneous analysis of some amphetamine derivatives in urine by nonaqueous capillary electrophoresis coupled to electrospray ionization mass spectrometry. Journal of Chromatography A, 2000, 895, 111-121.	1.8	85
36	Recent Advances in Chromatography for Pharmaceutical Analysis. Analytical Chemistry, 2019, 91, 210-239.	3.2	85

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37	Applicability of supercritical fluid chromatography â€“ mass spectrometry to metabolomics. I â€“ Optimization of separation conditions for the simultaneous analysis of hydrophilic and lipophilic substances. Journal of Chromatography A, 2018, 1562, 96-107.	1.8	84
38	Quantification of glucuronidated and sulfated steroids in human urine by ultra-high pressure liquid chromatography quadrupole time-of-flight mass spectrometry. Analytical and Bioanalytical Chemistry, 2011, 400, 503-516.	1.9	82
39	Determination of pKa values by capillary zone electrophoresis with a dynamic coating procedure. Journal of Separation Science, 2005, 28, 2374-2380.	1.3	81
40	Practical Constraints in the Kinetic Plot Representation of Chromatographic Performance Data:Â Theory and Application to Experimental Data. Analytical Chemistry, 2006, 78, 2150-2162.	3.2	81
41	Potential of hydrophilic interaction chromatography for the analytical characterization of protein biopharmaceuticals. Journal of Chromatography A, 2016, 1448, 81-92.	1.8	80
42	Simultaneous stereoselective analysis of tramadol and its main phase I metabolites by on-line capillary zone electrophoresisâ€“electrospray ionization mass spectrometry. Journal of Chromatography A, 2000, 868, 295-303.	1.8	77
43	On-line capillary electrophoresis-electrospray mass spectrometry for the stereoselective analysis of drugs and metabolites. Electrophoresis, 2001, 22, 3308-3315.	1.3	75
44	Experimental designs to investigate capillary electrophoresis-electrospray ionization-mass spectrometry enantioseparation with the partial-filling technique. Electrophoresis, 2001, 22, 3316-3326.	1.3	74
45	Nonâ€aqueous capillary electrophoresis 2005â€“2008. Electrophoresis, 2009, 30, 36-49.	1.3	73
46	Systematic comparison of sensitivity between hydrophilic interaction liquid chromatography and reversed phase liquid chromatography coupled with mass spectrometry. Journal of Chromatography A, 2013, 1312, 49-57.	1.8	73
47	Evaluation of a new wide pore coreâ€“shell material (Aerisâ„¢ WIDEPORE) and comparison with other existing stationary phases for the analysis of intact proteins. Journal of Chromatography A, 2012, 1236, 177-188.	1.8	72
48	What are the current solutions for interfacing supercritical fluid chromatography and mass spectrometry?. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1083, 160-170.	1.2	71
49	Central composite design in the chiral analysis of amphetamines by capillary electrophoresis. Electrophoresis, 1997, 18, 931-937.	1.3	70
50	High throughput qualitative analysis of polyphenols in tea samples by ultra-high pressure liquid chromatography coupled to UV and mass spectrometry detectors. Journal of Chromatography A, 2010, 1217, 6882-6890.	1.8	70
51	The use of columns packed with sub-2â€‰Âµm particles in supercritical fluid chromatography. TrAC - Trends in Analytical Chemistry, 2014, 63, 44-54.	5.8	70
52	Analytical tools for the physicochemical profiling of drug candidates to predict absorption/distribution. Analytical and Bioanalytical Chemistry, 2009, 394, 707-729.	1.9	68
53	A systematic investigation of sample diluents in modern supercritical fluid chromatography. Journal of Chromatography A, 2017, 1511, 122-131.	1.8	67
54	A steroidomic approach for biomarkers discovery in doping control. Forensic Science International, 2011, 213, 85-94.	1.3	66

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55	The effect of pressure and mobile phase velocity on the retention properties of small analytes and large biomolecules in ultra-high pressure liquid chromatography. Journal of Chromatography A, 2012, 1270, 127-138.	1.8	66
56	Ultra high performance supercritical fluid chromatography coupled with tandem mass spectrometry for screening of doping agents. I: Investigation of mobile phase and MS conditions. Analytica Chimica Acta, 2015, 853, 637-646.	2.6	66
57	Parameters affecting microwave-assisted extraction of withanolides. Phytochemical Analysis, 2001, 12, 327-331.	1.2	65
58	CEâ€TOF/MS: Fundamental concepts, instrumental considerations and applications. Electrophoresis, 2009, 30, 1610-1623.	1.3	65
59	Evaluation of columns packed with shell particles with compounds of pharmaceutical interest. Journal of Chromatography A, 2012, 1228, 221-231.	1.8	65
60	Some solutions to obtain very efficient separations in isocratic and gradient modes using small particles size and ultra-high pressure. Journal of Chromatography A, 2009, 1216, 3232-3243.	1.8	64
61	Optimisation of accelerated solvent extraction of cocaine and benzoylecgonine from coca leaves. Journal of Separation Science, 2001, 24, 865-873.	1.3	63
62	Infinite enantiomeric resolution of basic compounds using highly sulfated cyclodextrin as chiral selector in capillary electrophoresis. Electrophoresis, 2003, 24, 2633-2641.	1.3	63
63	Impact of mobile phase temperature on recovery and stability of monoclonal antibodies using recent reversedâ€phase stationary phases. Journal of Separation Science, 2012, 35, 3113-3123.	1.3	62
64	Glycosylation of biosimilars: Recent advances in analytical characterization and clinical implications. Analytica Chimica Acta, 2019, 1089, 1-18.	2.6	62
65	Enantioseparation of atropine by capillary electrophoresis using sulfated Î²-cyclodextrin: application to a plant extract. Journal of Chromatography A, 2000, 868, 285-294.	1.8	61
66	Metabolite profiling of plant extracts by ultra-high-pressure liquid chromatography at elevated temperature coupled to time-of-flight mass spectrometry. Journal of Chromatography A, 2009, 1216, 5660-5668.	1.8	61
67	Comparison of the most recent chromatographic approaches applied for fast and high resolution separations: Theory and practice. Journal of Chromatography A, 2015, 1408, 1-14.	1.8	61
68	Supercritical fluid chromatography â€“ Mass spectrometry: Recent evolution and current trends. TrAC - Trends in Analytical Chemistry, 2019, 118, 731-738.	5.8	61
69	Liquid chromatography and supercritical fluid chromatography as alternative techniques to gas chromatography for the rapid screening of anabolic agents in urine. Journal of Chromatography A, 2016, 1451, 145-155.	1.8	60
70	Non-aqueous capillary electrophoresis with diode array and electrospray mass spectrometric detection for the analysis of selected steroidal alkaloids in plant extracts. Journal of Chromatography A, 2001, 922, 321-328.	1.8	59
71	Sample preparation development and matrix effects evaluation for multianalyte determination in urine. Journal of Pharmaceutical and Biomedical Analysis, 2009, 49, 459-467.	1.4	59
72	Coupling ultra high-pressure liquid chromatography with single quadrupole mass spectrometry for the analysis of a complex drug mixture. Talanta, 2009, 78, 377-387.	2.9	59

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73	Ultra High Pressure Liquid Chromatography for Crude Plant Extract Profiling. Journal of AOAC INTERNATIONAL, 2011, 94, 51-70.	0.7	59
74	Validation of capillary electrophoresisâ€“ mass spectrometry methods for the analysis of a pharmaceutical formulation. Electrophoresis, 2003, 24, 3049-3056.	1.3	58
75	Rapid determination of pK a values of 20 amino acids by CZE with UV and capacitively coupled contactless conductivity detections. Analytical and Bioanalytical Chemistry, 2007, 389, 1869-1878.	1.9	58
76	Wipe sampling procedure coupled to LCâ€“MS/MS analysis for the simultaneous determination of 10 cytotoxic drugs on different surfaces. Analytical and Bioanalytical Chemistry, 2012, 402, 2499-2509.	1.9	58
77	Nonaqueous capillary electrophoresis in pharmaceutical analysis. Electrophoresis, 2007, 28, 45-57.	1.3	57
78	Practical method transfer from high performance liquid chromatography to ultra-high performance liquid chromatography: The importance of frictional heating. Journal of Chromatography A, 2011, 1218, 7971-7981.	1.8	57
79	Fast and sensitive supercritical fluid chromatography â€“ tandem mass spectrometry multi-class screening method for the determination of doping agents in urine. Analytica Chimica Acta, 2016, 915, 102-110.	2.6	57
80	Ultra-high performance supercritical fluid chromatography coupled with quadrupole-time-of-flight mass spectrometry as a performing tool for bioactive analysis. Journal of Chromatography A, 2016, 1450, 101-111.	1.8	56
81	Current possibilities of liquid chromatography for the characterization of antibody-drug conjugates. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 493-505.	1.4	54
82	Simultaneous stereoselective analysis by capillary electrophoresis of tramadol enantiomers and their main phase I metabolites in urine. Journal of Chromatography A, 1999, 846, 227-237.	1.8	53
83	Capillary electrophoresis-diode array detection â€” electrospray mass spectrometry for the analysis of selected tropane alkaloids in plant extracts. Electrophoresis, 1999, 20, 3402-3409.	1.3	53
84	Simultaneous quantification of cyclosporine, tacrolimus, sirolimus and everolimus in whole blood by liquid chromatographyâ€“electrospray mass spectrometry. Clinical Biochemistry, 2008, 41, 728-735.	0.8	53
85	Selectivity manipulation using nonaqueous capillary electrophoresis. Application to tropane alkaloids and amphetamine derivatives. Electrophoresis, 1998, 19, 2900-2906.	1.3	52
86	Two-dimensional liquid chromatographyâ€“ion trap mass spectrometry for the simultaneous determination of ketorolac enantiomers and paracetamol in human plasma. Journal of Chromatography A, 2009, 1216, 3851-3856.	1.8	52
87	Evaluation and comparison of various separation techniques for the analysis of closely-related compounds of pharmaceutical interest. Journal of Chromatography A, 2013, 1282, 172-177.	1.8	52
88	New prostaglandin analog formulation for glaucoma treatment containing cyclodextrins for improved stability, solubility and ocular tolerance. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 95, 203-214.	2.0	52
89	Nanoscale liquid chromatography and capillary electrophoresis coupled to electrospray mass spectrometry for the detection of amyloid-Î² peptide related to Alzheimerâ€™s disease. Journal of Chromatography A, 2002, 974, 135-142.	1.8	51
90	UHPLC determination of catechins for the quality control of green tea. Journal of Pharmaceutical and Biomedical Analysis, 2014, 88, 307-314.	1.4	50

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91	Development and robustness testing of a nonaqueous capillary electrophoresis method for the analysis of nonsteroidal anti-inflammatory drugs. Journal of Chromatography A, 2000, 874, 121-129.	1.8	49
92	Nonaqueous capillary electrophoresis-electrospray- mass spectrometry for the analysis of fluoxetine and its related compounds. Electrophoresis, 2002, 23, 442.	1.3	49
93	Column-Switching Procedures for the Fast Analysis of Drugs in Biologic Samples. Therapeutic Drug Monitoring, 2004, 26, 161-166.	1.0	48
94	Relation between the particle size distribution and the kinetic performance of packed columns. Journal of Chromatography A, 2007, 1161, 224-233.	1.8	48
95	Validation of chiral capillary electrophoresisâ€electrospray ionizationâ€mass spectrometry methods for ecstasy and methadone in plasma. Electrophoresis, 2008, 29, 2193-2202.	1.3	48
96	Fast chiral separation of drugs using columns packed with subâ€2 Î¼m particles and ultraâ€high pressure. Chirality, 2010, 22, 320-330.	1.3	48
97	Unraveling the mysteries of modern size exclusion chromatography - the way to achieve confident characterization of therapeutic proteins. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1092, 368-378.	1.2	48
98	Evaluation of the influence of protein precipitation prior to on-line SPEâ€“LCâ€“API/MS procedures using multivariate data analysisâ˜†. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 845, 244-252.	1.2	47
99	Evaluation of recent very efficient wide-pore stationary phases for the reversed-phase separation of proteins. Journal of Chromatography A, 2012, 1252, 90-103.	1.8	47
100	First inter-laboratory study of a Supercritical Fluid Chromatography method for the determination of pharmaceutical impurities. Journal of Pharmaceutical and Biomedical Analysis, 2018, 161, 414-424.	1.4	47
101	Stereoselective determination of methadone in serum by HPLC following solid-phase extraction on disk. Journal of Pharmaceutical and Biomedical Analysis, 1996, 14, 1271-1279.	1.4	46
102	Analytical aspects in doping control: Challenges and perspectives. Forensic Science International, 2011, 213, 49-61.	1.3	46
103	Analytical Strategies for Doping Control Purposes: Needs, Challenges, and Perspectives. Analytical Chemistry, 2016, 88, 508-523.	3.2	46
104	Use of negatively charged cyclodextrins for the simultaneous enantioseparation of selected anesthetic drugs by capillary electrophoresisâ€“mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2002, 27, 615-626.	1.4	45
105	Comparison of columns packed with porous subâ€2â€‰Î¼m particles and superficially porous subâ€3â€‰Î¼m particles for peptide analysis at ambient and high temperature. Journal of Separation Science, 2010, 33, 2465-2477.	1.3	45
106	Identification of isomeric tropane alkaloids fromSchizanthus grahamii by HPLC-NMR with loop storage and HPLC-UV-MS/SPE-NMR using a cryogenic flow probe. Phytochemical Analysis, 2006, 17, 78-86.	1.2	44
107	Isolation and quantification by high-performance liquid chromatographyâ€“ion-trap mass spectrometry of androgen sulfoconjugates in human urine. Journal of Chromatography A, 2008, 1196-1197, 153-160.	1.8	44
108	Rapid stereoselective separations of amphetamine derivatives with highly sulfated Î³-cyclodextrin. Electrophoresis, 2005, 26, 3910-3920.	1.3	43

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109	Use of organic solvent to prevent protein adsorption in CEâ€MS experiments. Electrophoresis, 2010, 31, 3326-3333.	1.3	43
110	Microemulsion electrokinetic chromatography hyphenated to atmospheric pressure photoionization mass spectrometry. Electrophoresis, 2008, 29, 11-19.	1.3	42
111	Evaluation of a sheathless nanospray interface based on a porous tip sprayer for CEâ€ESIâ€MS coupling. Electrophoresis, 2012, 33, 552-562.	1.3	42
112	Contribution of various types of liquid chromatographyâ€“mass spectrometry instruments to band broadening in fast analysis. Journal of Chromatography A, 2013, 1310, 45-55.	1.8	42
113	Experimental design for enantioselective separation of celiprolol by capillary electrophoresis using sulfated Î²-cyclodextrin. Electrophoresis, 1999, 20, 3424-3431.	1.3	41
114	Fast log P determination by ultra-high-pressure liquid chromatography coupled with UV and mass spectrometry detections. Analytical and Bioanalytical Chemistry, 2009, 394, 1919-1930.	1.9	41
115	Nonaqueous capillary electrophoresis-mass spectrometry for separation of venlafaxine and its phase I metabolites. Electrophoresis, 2001, 22, 491-496.	1.3	40
116	Pharmaceutical Applications on Columns Packed with Sub-2 Âm Particles. Journal of Chromatographic Science, 2008, 46, 199-208.	0.7	40
117	Potential of formamide and N-methylformamide in nonaqueous capillary electrophoresis coupled to electrospray ionization mass spectrometry. Journal of Chromatography A, 2002, 979, 389-398.	1.8	39
118	Quantification of cyclosporine and tacrolimus in whole blood. Comparison of liquid chromatographyâ€“electrospray mass spectrometry with the enzyme multiplied immunoassay technique. Clinical Biochemistry, 2008, 41, 910-913.	0.8	39
119	Improvement of a capillary electrophoresis/frontal analysis (CE/FA) method for determining binding constants: Discussion on relevant parameters. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 1288-1297.	1.4	39
120	Characterization of drugâ€“protein interactions by capillary electrophoresis hyphenated to mass spectrometry. Electrophoresis, 2012, 33, 3306-3315.	1.3	39
121	Systematic evaluation of matrix effects in supercritical fluid chromatography versus liquid chromatography coupled to mass spectrometry for biological samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1079, 51-61.	1.2	39
122	Metamorphosis of supercritical fluid chromatography: A viable tool for the analysis of polar compounds?. TrAC - Trends in Analytical Chemistry, 2021, 141, 116304.	5.8	39
123	Chiral stationary phases in HPLC for the stereoselective determination of methadone. , 1999, 11, 319-325.		38
124	Simultaneous quantification of ten cytotoxic drugs by a validated LCâ€“ESIâ€“MS/MS method. Analytical and Bioanalytical Chemistry, 2010, 398, 3033-3042.	1.9	38
125	Coupling non-denaturing chromatography to mass spectrometry for the characterization of monoclonal antibodies and related products. Journal of Pharmaceutical and Biomedical Analysis, 2020, 185, 113207.	1.4	38
126	Coupling CE with atmospheric pressure photoionization MS for pharmaceutical basic compounds: Optimization of operating parameters. Electrophoresis, 2007, 28, 3078-3087.	1.3	37

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127	High performance affinity chromatography (HPAC) as a high-throughput screening tool in drug discovery to study drugâ€“plasma protein interactions. Journal of Pharmaceutical and Biomedical Analysis, 2013, 74, 205-212.	1.4	36
128	Global analytical strategy to measure drugâ€“plasma protein interactions: from high-throughput to in-depth analysis. Drug Discovery Today, 2013, 18, 1030-1034.	3.2	36
129	Supercritical fluid extraction and chromatography of artemisinin and artemisinic acid. An improved method for the analysis ofArtemisia annua samples. Phytochemical Analysis, 1997, 8, 223-227.	1.2	35
130	Micellar and microemulsion electrokinetic chromatography of selected anesthetic drugs. Journal of Separation Science, 2002, 25, 1073-1078.	1.3	35
131	Determination of potassium, sodium, calcium and magnesium in total parenteral nutrition formulations by capillary electrophoresis with contactless conductivity detection. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 130-136.	1.4	35
132	Multiple injection technique for the determination and quantitation of insulin formulations by capillary electrophoresis and time-of-flight mass spectrometry. Journal of Chromatography A, 2010, 1217, 8041-8047.	1.8	35
133	Use of a Doehlert design in optimizing the analysis of selected tropane alkaloids by micellar electrokinetic capillary chromatography. Journal of Chromatography A, 1998, 829, 317-325.	1.8	34
134	Microemulsion electrokinetic chromatography versus capillary electrochromatography-UV-mass spectrometry for the analysis of flunitrazepam and its major metabolites. Electrophoresis, 2002, 23, 2320.	1.3	34
135	Enhanced method performances for conventional and chiral CE-ESI/MS analyses in plasma. Electrophoresis, 2006, 27, 1537-1546.	1.3	34
136	Fastâ€GCâ€“conventional quadrupole mass spectrometry in essential oil analysis. Journal of Separation Science, 2008, 31, 1074-1084.	1.3	34
137	High-Throughput logâ€‰P Determination by Ultraperformance Liquid Chromatography: A Convenient Tool for Medicinal Chemists. Journal of Medicinal Chemistry, 2008, 51, 396-399.	2.9	34
138	Applicability of Supercritical fluid chromatographyâ€“Mass spectrometry to metabolomics. Iiâ€“Assessment of a comprehensive library of metabolites and evaluation of biological matrices. Journal of Chromatography A, 2020, 1620, 461021.	1.8	34
139	Experimental design in supercritical fluid extraction of cocaine from coca leaves. Journal of Proteomics, 2000, 43, 353-366.	2.4	33
140	Characterization of chromatographic supports for the analysis of basic compounds. Journal of Separation Science, 2002, 25, 1351-1363.	1.3	33
141	Ultrashort partial-filling technique in capillary electrophoresis for infinite resolution of tramadol enantiomers and its metabolites with highly sulfated cyclodextrins. Electrophoresis, 2004, 25, 2761-2771.	1.3	33
142	Extraction of amino acids by reverse iontophoresis in vivo. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 72, 226-231.	2.0	33
143	Analysis of peptides and proteins using sub-2Î¼m fully porous and sub 3-Î¼m shell particles. Journal of Chromatography A, 2011, 1218, 8903-8914.	1.8	33
144	Method development for pharmaceutics: Some solutions for tuning selectivity in reversed phase and hydrophilic interaction liquid chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2012, 63, 95-105.	1.4	33

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145	Nonaqueous versus aqueous capillary electrophoresis for the dosage of N-butylscopolamine in various pharmaceutical formulations. Journal of Pharmaceutical and Biomedical Analysis, 1999, 21, 165-174.	1.4	31
146	Development of validated stereoselective methods for methadone determination in clinical samples. , 1999, 11, 487-494.		31
147	Analysis of hemoglobinâ€based oxygen carriers by CEâ€UV/Vis and CEâ€ESIâ€TOF/MS. Electrophoresis, 2010, 31, 1241-1247.	1.3	31
148	Evaluation of innovative stationary phase ligand chemistries and analytical conditions for the analysis of basic drugs by supercritical fluid chromatography. Journal of Chromatography A, 2016, 1438, 244-253.	1.8	31
149	Implementation of a generic liquid chromatographic method development workflow: Application to the analysis of phytocannabinoids and Cannabis sativa extracts. Journal of Pharmaceutical and Biomedical Analysis, 2018, 155, 116-124.	1.4	31
150	Cocaine distribution in wild Erythroxylum species. Journal of Ethnopharmacology, 2006, 103, 439-447.	2.0	30
151	Development and validation of a liquid chromatographyâ€“atmospheric pressure photoionizationâ€“mass spectrometry method for the quantification of alprazolam, flunitrazepam, and their main metabolites in haemolysed blood. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2275-2283.	1.2	30
152	Proof of Concept To Achieve Infinite Selectivity for the Chromatographic Separation of Therapeutic Proteins. Analytical Chemistry, 2019, 91, 12954-12961.	3.2	30
153	Quantification of cyclosporine A in peripheral blood mononuclear cells by liquid chromatography-electrospray mass spectrometry using a column-switching approach. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 857, 92-99.	1.2	29
154	CEâ€ESIâ€TOF/MS for human growth hormone analysis. Electrophoresis, 2010, 31, 388-395.	1.3	29
155	Current role of liquid chromatography coupled to mass spectrometry in clinical toxicology screening methods. Clinical Chemistry and Laboratory Medicine, 2011, 49, 1091-1103.	1.4	29
156	Expanding the range of sub/supercritical fluid chromatography: Advantageous use of methanesulfonic acid in water-rich modifiers for peptide analysis. Journal of Chromatography A, 2021, 1642, 462048.	1.8	29
157	Use of vancomycin silica stationary phase in packed capillary electrochromatography. Part IV: Enantiomer separation of fluoxetine and norfluoxetine employing UV high sensitivity detection cell. Journal of Separation Science, 2002, 25, 1291-1296.	1.3	28
158	Influence of electrolyte nature on the separation selectivity of amphetamines in nonaqueous capillary electrophoresis: Protonation degree versus ion pairing effects. Electrophoresis, 2003, 24, 1577-1586.	1.3	28
159	Analysis of basic compounds at high pH values by reversed-phase liquid chromatography. Journal of Separation Science, 2004, 27, 284-292.	1.3	28
160	Decreasing analysis time in capillary electrophoresis: Validation and comparison of quantitative performances in several approaches. Electrophoresis, 2005, 26, 2293-2302.	1.3	28
161	Novel RPLC stationary phases for lipophilicity measurement: Solvatochromic analysis of retention mechanisms for neutral and basic compounds. Journal of Separation Science, 2005, 28, 2350-2362.	1.3	28
162	Validation of an ultraâ€fast UPLCâ€UV method for the separation of antituberculosis tablets. Journal of Separation Science, 2008, 31, 1050-1056.	1.3	28

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163	Impact of organic modifier and temperature on protein denaturation in hydrophobic interaction chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2016, 131, 124-132.	1.4	28
164	Systematic evaluation of matrix effects in hydrophilic interaction chromatography versus reversed phase liquid chromatography coupled to mass spectrometry. Journal of Chromatography A, 2016, 1439, 42-53.	1.8	28
165	Optimized selection of liquid chromatography conditions for wide range analysis of natural compounds. Journal of Chromatography A, 2017, 1504, 91-104.	1.8	28
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