Marianne Fillet

List of Publications by Year
in descending order

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214 papers	6,547 citations	57758 44 h-index	106344 65 g-index
215 all docs	215 docs citations	215 times ranked	6751 citing authors

#	Article	IF	Citations
1	NF-Î²B transcription factor induces drug resistance through MDR1 expression in cancer cells. Oncogene, 2003, 22, 90-97.	5.9	411
2	Enantiomeric separations of drugs using mixtures of charged and neutral cyclodextrins. Journal of Chromatography A, 2000, 875, 123-134.	3.7	170
3	Volumetric absorptive microsampling: Current advances and applications. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 288-296.	2.8	128
4	Proteomic mass spectra classification using decision tree based ensemble methods. Bioinformatics, 2005, 21, 3138-3145.	4.1	122
5	Chiral separation of basic drugs by capillary zone electrophoresis with cyclodextrin additives. Electrophoresis, 1994, 15, 818-823.	2.4	117
6	Biomarker discovery for inflammatory bowel disease, using proteomic serum profiling. Biochemical Pharmacology, 2007, 73, 1422-1433.	4.4	104
7	Discovery of new rheumatoid arthritis biomarkers using the surfaceâ€enhanced laser desorption/ionization timeâ€ofâ€flight mass spectrometry ProteinChip approach. Arthritis and Rheumatism, 2005, 52, 3801-3812.	6.7	102
8	Method development strategies for the enantioseparation of drugs by capillary electrophoresis using cyclodextrins as chiral additives. Electrophoresis, 1998, 19, 2834-2840.	2.4	96
9	Determination of six water-soluble vitamins in a pharmaceutical formulation by capillary electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 1997, 15, 1113-1123.	2.8	95
10	Enantiomeric purity determination of propranolol by cyclodextrin-modified capillary electrophoresis. Journal of Chromatography A, 1995, 717, 203-209.	3.7	91
11	Designed combination of chiral selectors for adjustment of enantioseparation selectivity in capillary electrophoresis. Electrophoresis, 1999, 20, 2691-2697.	2.4	88
12	Monomeric Calgranulins Measured by SELDI-TOF Mass Spectrometry and Calprotectin Measured by ELISA as Biomarkers in Arthritis. Clinical Chemistry, 2008, 54, 1066-1075.	3.2	85
13	Chronic fluoxetine treatment and maternal adversity differentially alter neurobehavioral outcomes in the rat dam. Behavioural Brain Research, 2012, 228, 159-168.	2.2	84
14	Inhibition of ceramideâ€“redox signaling pathway blocks glomerular injury in hyperhomocysteinemic rats. Kidney International, 2006, 70, 88-96.	5.2	80
15	Capillary electrophoresis-mass spectrometry, an attractive tool for drug bioanalysis and biomarker discovery. Electrophoresis, 2006, 27, 2616-2629.	2.4	75
16	De novo C16- and C24-ceramide generation contributes to spontaneous neutrophil apoptosis. Journal of Leukocyte Biology, 2007, 81, 1477-1486.	3.3	74
17	Toward Worldwide Hepcidin Assay Harmonization: Identification of a Commutable Secondary Reference Material. Clinical Chemistry, 2016, 62, 993-1001.	3.2	73
18	Challenges for Biomarker Discovery in Body Fluids Using SELDI-TOF-MS. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-15.	3.0	71

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19	Enantioresolution of basic pharmaceuticals using cellulose tris(4-chloro-3-methylphenylcarbamate) as chiral stationary phase and polar organic mobile phases. Journal of Chromatography A, 2009, 1216, 7450-7455.	3.7	67
20	Prediction of selectivity for enantiomeric separations of uncharged compounds by capillary electrophoresis involving dual cyclodextrin systems. Journal of Chromatography A, 2002, 948, 321-329.	3.7	64
21	Proteomics for prediction and characterization of response to infliximab in Crohn's disease: A pilot study. Clinical Biochemistry, 2008, 41, 960-967.	1.9	64
22	Enantioseparation of uncharged compounds by capillary electrophoresis using mixtures of anionic and neutral Î²-cyclodextrin derivatives. Journal of Chromatography A, 1998, 817, 113-119.	3.7	63
23	Supercritical fluid chromatography in traditional Chinese medicine analysis. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 65-80.	2.8	62
24	Enantiomeric separation of acidic drugs by capillary electrophoresis using a combination of charged and uncharged Î²-cyclodextrins as chiral selectors. Journal of High Resolution Chromatography, 1996, 19, 669-673.	1.4	60
25	Enantioseparation of nonsteroidal anti-inflammatory drugs by capillary electrophoresis using mixtures of anionic and uncharged Î²-cyclodextrins as chiral additives. Electrophoresis, 1997, 18, 1013-1018.	2.4	59
26	Mechanisms involved in exogenous C2- and C6-ceramide-induced cancer cell toxicity. Biochemical Pharmacology, 2003, 65, 1633-1642.	4.4	57
27	Stereoselective determination of S-naproxen in tablets by capillary electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 1998, 18, 799-805.	2.8	56
28	Critical analysis of several analytical method validation strategies in the framework of the fit for purpose concept. Journal of Chromatography A, 2010, 1217, 3180-3192.	3.7	56
29	Effects of background electrolyte composition and addition of selectors on separation selectivity in nonaqueous capillary electrophoresis. Electrophoresis, 2003, 24, 1499-1507.	2.4	55
30	Resolution improvement by use of carboxymethyl-Î²-cyclodextrin as chiral additive for the enantiomeric separation of basic drugs by capillary electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 1996, 14, 1107-1114.	2.8	52
31	Separation of nonsteroidal anti-inflammatory drugs by capillary electrophoresis using nonaqueous electrolytes. Electrophoresis, 1999, 20, 1907-1915.	2.4	52
32	Capillary electrophoretic and nuclear magnetic resonance studies on the opposite affinity pattern of propranolol enantiomers towards various cyclodextrins. Journal of Separation Science, 2010, 33, 1617-1624.	2.5	52
33	Enantiomeric separation of basic compounds using heptakis(2,3-di-O-methyl-6-O-sulfo)-Î²-cyclodextrin in combination with potassium camphorsulfonate in nonaqueous capillary electrophoresis: Optimization by means of an experimental design. Electrophoresis, 2004, 25, 2701-2710.	2.4	51
34	Beyond dried blood spot: Current microsampling techniques in the context of biomedical applications. TrAC - Trends in Analytical Chemistry, 2017, 97, 326-332.	11.4	51
35	Developmental Fluoxetine Exposure Normalizes the Long-Term Effects of Maternal Stress on Post-Operative Pain in Sprague-Dawley Rat Offspring. PLoS ONE, 2013, 8, e57608.	2.5	50
36	Non-aqueous capillary electrophoretic enantioseparation of N-derivatized amino acids using cinchona alkaloids and derivatives as chiral counter-ions. Journal of Chromatography A, 2000, 875, 353-360.	3.7	49

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37	Development of a non-surfactant parenteral formulation of miconazole by the use of cyclodextrins. International Journal of Pharmaceutics, 1998, 169, 15-22.	5.2	48
38	Development and validation of a fast SFC method for the analysis of flavonoids in plant extracts. Journal of Pharmaceutical and Biomedical Analysis, 2017, 140, 384-391.	2.8	48
39	Nonaqueous capillary electrophoresis method for the enantiomeric purity determination of S-timolol using heptakis(2,3-di-O-methyl-6-O-sulfo)-Î²-cyclodextrin: Validation using the accuracy profile strategy and estimation of uncertainty. Journal of Chromatography A, 2006, 1120, 102-111.	3.7	47
40	Influence of the BGE composition on analyte response in CD-mediated NACE-MS. Electrophoresis, 2010, 31, 1157-1161.	2.4	47
41	DERP6 (ELP5) and C3ORF75 (ELP6) Regulate Tumorigenicity and Migration of Melanoma Cells as Subunits of Elongator. Journal of Biological Chemistry, 2012, 287, 32535-32545.	3.4	47
42	Comparative enantioseparation of talinolol in aqueous and non-aqueous capillary electrophoresis and study of related selectorâ€“selectand interactions by nuclear magnetic resonance spectroscopy. Journal of Chromatography A, 2012, 1267, 206-216.	3.7	47
43	Bioavailability enhancement of itraconazole-based solid dispersions produced by hot melt extrusion in the framework of the Three Rs rule. European Journal of Pharmaceutical Sciences, 2017, 99, 1-8.	4.0	47
44	On-line coupling of cyclodextrin mediated nonaqueous capillary electrophoresis to mass spectrometry for the determination of salbutamol enantiomers in urine. Journal of Pharmaceutical and Biomedical Analysis, 2006, 40, 752-757.	2.8	46
45	Metabolomics as a Challenging Approach for Medicinal Chemistry and Personalized Medicine. Journal of Medicinal Chemistry, 2016, 59, 8649-8666.	6.4	46
46	Determination of enantiomeric purity of Sâ€amlodipine by chiral LC with emphasis on reversal of enantiomer elution order. Journal of Separation Science, 2011, 34, 1772-1780.	2.5	45
47	Capillary Electrophoresis-Mass Spectrometry at Trial by Metabo-Ring: Effective Electrophoretic Mobility for Reproducible and Robust Compound Annotation. Analytical Chemistry, 2020, 92, 14103-14112.	6.5	44
48	Separation, identification and quantitation of ceramides in human cancer cells by liquid chromatographyâ€“electrospray ionization tandem mass spectrometry. Journal of Chromatography A, 2002, 949, 225-233.	3.7	43
49	The Proapoptotic C16-ceramide-Dependent Pathway Requires the Death-Promoting Factor Btf in Colon Adenocarcinoma Cells. Journal of Proteome Research, 2009, 8, 4810-4822.	3.7	43
50	Discovery and biochemical characterisation of four novel biomarkers for osteoarthritis. Annals of the Rheumatic Diseases, 2011, 70, 1144-1152.	0.9	43
51	Enantioselective capillary electrophoresis-mass spectrometry of amino acids in cerebrospinal fluid using a chiral derivatizing agent and volatile surfactant. Analytica Chimica Acta, 2016, 940, 150-158.	5.4	42
52	Combination of capillary electrophoresis, molecular modelling and nuclear magnetic resonance to study the interaction mechanisms between single-isomer anionic cyclodextrin derivatives and basic drug enantiomers in a methanolic background electrolyte. Journal of Chromatography A, 2012, 1232, 59-64.	3.7	41
53	Comparison of three methods for fractionation and enrichment of low molecular weight proteins for SELDI-TOF-MS differential analysis. Talanta, 2010, 82, 245-254.	5.5	39
54	Provisional standardization of hepcidin assays: creating a traceability chain with a primary reference material, candidate reference method and a commutable secondary reference material. Clinical Chemistry and Laboratory Medicine, 2019, 57, 864-872.	2.3	39

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55	Quantitative analysis of non-steroidal anti-inflammatory drugs by capillary zone electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 1995, 13, 497-503.	2.8	38
56	Influence of the nature of the electrolyte on the chiral separation of basic compounds in nonaqueous capillary electrophoresis using heptakis(2,3-di-O-methyl-6-O-sulfo)-Î²-cyclodextrin. Journal of Chromatography A, 2005, 1068, 143-150.	3.7	38
57	Immune Recovery after Allogeneic Hematopoietic Stem Cell Transplantation Following Flu-TBI versus TLI-ATG Conditioning. Clinical Cancer Research, 2015, 21, 3131-3139.	7.0	38
58	HPV infection alters vaginal microbiome through down-regulating host mucosal innate peptides used by Lactobacilli as amino acid sources. Nature Communications, 2022, 13, 1076.	12.8	38
59	Nonaqueous electrokinetic chromatographyâ€“electrospray ionization mass spectrometry using anionic cyclodextrins. Journal of Chromatography A, 2007, 1159, 51-57.	3.7	37
60	Simultaneous analysis of nucleobases, nucleosides and ginsenosides in ginseng extracts using supercritical fluid chromatography coupled with single quadrupole mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2017, 144, 213-219.	2.8	37
61	Enhancement of selectivity and resolution in the enantioseparation of uncharged compounds using mixtures of oppositely charged cyclodextrins in capillary electrophoresis. Electrophoresis, 2003, 24, 343-350.	2.4	36
62	Synergistic effects of ion-pairing in the enantiomeric separation of basic compounds with cyclodextrin derivatives in nonaqueous capillary electrophoresis. Electrophoresis, 2003, 24, 363-369.	2.4	36
63	Study of the cholesterol extraction capacity of Î²-cyclodextrin and its derivatives, relationships with their effects on endothelial cell viability and on membrane models. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2009, 63, 225-231.	1.6	36
64	Development of a nano-liquid chromatography on chip tandem mass spectrometry method for high-sensitivity hepcidin quantitation. Journal of Chromatography A, 2011, 1218, 9046-9054.	3.7	36
65	The emergence of metabolomics as a key discipline in the drug discovery process. Drug Discovery Today: Technologies, 2015, 13, 19-24.	4.0	36
66	Chemo- and enantio-selective method for the analysis of amino acids by capillary electrophoresis with in-capillary derivatization. Journal of Chromatography A, 2012, 1267, 121-126.	3.7	35
67	Targeted metabolomics of whole blood using volumetric absorptive microsampling. Talanta, 2019, 197, 49-58.	5.5	35
68	Factor XII/XIIa inhibitors: Their discovery, development, and potential indications. European Journal of Medicinal Chemistry, 2020, 208, 112753.	5.5	34
69	Separation of propranolol enantiomers by CE using sulfated Î²â€CD derivatives in aqueous and nonâ€aqueous electrolytes: Comparative CE and NMR study. Electrophoresis, 2010, 31, 1467-1474.	2.4	33
70	Optimization of the LC enantioseparation of chiral pharmaceuticals using cellulose tris(4â€chloroâ€3â€methylphenylcarbamate) as chiral selector and polar nonâ€aqueous mobile phases. Journal of Separation Science, 2010, 33, 1699-1707.	2.5	33
71	Development and validation of a nonaqueous capillary electrophoretic method for the enantiomeric purity determination of a synthetic intermediate of new 3,4-dihydro-2,2-dimethyl-2H-1-benzopyrans using a single-isomer anionic cyclodextrin derivative and an ionic liquid. Journal of Chromatography A, 2010, 1217, 7949-7955.	3.7	33
72	The Repressing Function of the Oncoprotein BCL-3 Requires CtBP, while Its Polyubiquitination and Degradation Involve the E3 Ligase TBLR1. Molecular and Cellular Biology, 2010, 30, 4006-4021.	2.3	33

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73	Fluoxetine Dose and Administration Method Differentially Affect Hippocampal Plasticity in Adult Female Rats. Neural Plasticity, 2014, 2014, 1-9.	2.2	33
74	Whole blood microsampling for the quantitation of estetrol without derivatization by liquid chromatography-tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2017, 140, 258-265.	2.8	33
75	Sodium nitroprusside-induced osteoblast apoptosis is mediated by long chain ceramide and is decreased by raloxifene. Biochemical Pharmacology, 2005, 69, 891-901.	4.4	32
76	Optimization of the liquid chromatography enantioseparation of chiral acidic compounds using cellulose tris(3-chloro-4-methylphenylcarbamate) as chiral selector and polar organic mobile phases. Journal of Chromatography A, 2012, 1234, 56-63.	3.7	32
77	Enantiomeric separation of acidic compounds using single-isomer amino cyclodextrin derivatives in nonaqueous capillary electrophoresis. Electrophoresis, 2006, 27, 3434-3442.	2.4	31
78	Validation of a nonaqueous capillary electrophoretic method for the enantiomeric purity determination of R-flurbiprofen using a single-isomer amino cyclodextrin derivative. Journal of Chromatography A, 2008, 1204, 219-225.	3.7	31
79	Optimization of the separation of Î²-blockers by ion-pair capillary electrophoresis in non-aqueous media using univariate and multivariate approaches. Journal of Separation Science, 2002, 25, 1087-1095.	2.5	30
80	Biomarker discovery in asthmaâ€related inflammation and remodeling. Proteomics, 2009, 9, 2163-2170.	2.2	30
81	Evaluation of hydrophilic interaction liquid chromatography, capillary zone electrophoresis and drift tube ion-mobility quadrupole time of flight mass spectrometry for the characterization of phosphodiester and phosphorothioate oligonucleotides. Journal of Chromatography A, 2020, 1614, 460716.	3.7	30
82	Determination of inhibitory potency of argatroban toward thrombin by electrophoretically mediated microanalysis. Talanta, 2013, 116, 719-725.	5.5	29
83	Simultaneous determination of amino acids in different teas using supercritical fluid chromatography coupled with single quadrupole mass spectrometry. Journal of Pharmaceutical Analysis, 2019, 9, 254-258.	5.3	29
84	Determination of salbutamol enantiomers in human urine using heptakis(2,3-di-O-acetyl-6-O-sulfo)-Î²-cyclodextrin in nonaqueous capillary electrophoresis. Electrophoresis, 2004, 25, 1632-1640.	2.4	28
85	Implementation of a design space approach for enantiomeric separations in polar organic solvent chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2013, 74, 273-283.	2.8	28
86	A micellar electrokinetic chromatographyâ€“mass spectrometry approach using in-capillary diastereomeric derivatization for fully automatized chiral analysis of amino acids. Journal of Chromatography A, 2016, 1467, 400-408.	3.7	28
87	Capillary electrophoresis in the context of drug discovery. Journal of Pharmaceutical and Biomedical Analysis, 2017, 144, 195-212.	2.8	28
88	Perinatal fluoxetine increases hippocampal neurogenesis and reverses the lasting effects of pre-gestational stress on serum corticosterone, but not on maternal behavior, in the rat dam. Behavioural Brain Research, 2018, 339, 222-231.	2.2	28
89	Development and validation of a LC method for the enantiomeric purity determination of S-ropivacaine in a pharmaceutical formulation using a recently commercialized cellulose-based chiral stationary phase and polar non-aqueous mobile phase. Journal of Pharmaceutical and Biomedical Analysis, 2011, 54, 687-693.	2.8	27
90	Hepcidin determination in dried blood by microfluidic LCâ€“MS/MS: comparison of DBS and volumetric absorptive microsampling for matrix effect and recovery. Bioanalysis, 2015, 7, 2789-2799.	1.5	27

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91	Elimination of adsorption effects in the analysis of water-soluble vitamins in pharmaceutical formulations by capillary electrophoresis. Journal of Chromatography A, 1999, 853, 391-401.	3.7	26
92	Sampling only ten microliters of whole blood for the quantification of poorly soluble drugs: Itraconazole as case study. Journal of Chromatography A, 2017, 1479, 161-168.	3.7	26
93	Determination of benzodiazepines by micellar electrokinetic chromatography. Electrophoresis, 1994, 15, 1316-1321.	2.4	25
94	Generic systems for the enantioseparation of basic drugs in NACE using single-isomer anionic CDs. Journal of Pharmaceutical and Biomedical Analysis, 2011, 54, 154-159.	2.8	25
95	A validated microfluidicsâ€based <scp>LC</scp>â€chipâ€<scp>MS</scp>/<scp>MS</scp> method for the quantitation of fluoxetine and norfluoxetine in rat serum. Electrophoresis, 2012, 33, 3370-3379.	2.4	25
96	Effect of Non-Steroidal Anti-Inflammatory Drugs on Amyloid-Î² Formation and Macrophage Activation after Platelet Phagocytosis. Journal of Cardiovascular Pharmacology, 2004, 43, 462-470.	1.9	24
97	Determination of flurbiprofen enantiomers in plasma using a singleâ€isomer amino cyclodextrin derivative in nonaqueous capillary electrophoresis. Electrophoresis, 2008, 29, 3641-3648.	2.4	24
98	Hydroxylated Analogues of ATP-Sensitive Potassium Channel Openers Belonging to the Group of 6- and/or 7-Substituted 3-Isopropylamino-4H-1,2,4-benzothiadiazine 1,1-Dioxides: Toward an Improvement in Sulfonylurea Receptor 1 Selectivity and Metabolism Stability. Journal of Medicinal Chemistry, 2011, 54, 8353-8361.	6.4	24
99	Targeted proteomics reveals serum amyloid A variants and alarmins S100A8-S100A9 as key plasma biomarkers of rheumatoid arthritis. Talanta, 2019, 204, 507-517.	5.5	24
100	Preparation and pharmacological evaluation of the R - and S -enantiomers of 3-(2â€²-butylamino)-4 H - and 3-(3â€²-methyl-2â€²-butylamino)-4 H -pyrido[4,3- e]-1,2,4-thiadiazine 1,1-dioxide, two tissue selective ATP-sensitive potassium channel openers. Bioorganic and Medicinal Chemistry, 1999, 7, 1513-1520.	3.0	23
101	The c-Jun N-terminal Kinase (JNK)-binding Protein (JNKBP1) Acts as a Negative Regulator of NOD2 Protein Signaling by Inhibiting Its Oligomerization Process. Journal of Biological Chemistry, 2012, 287, 29213-29226.	3.4	23
102	Optimizing hepcidin measurement with a proficiency test framework and standardization improvement. Clinical Chemistry and Laboratory Medicine, 2021, 59, 315-323.	2.3	23
103	Interlaboratory study of a NACE method for the determination ofR-timolol content inS-timolol maleate: Assessment of uncertainty. Electrophoresis, 2006, 27, 2386-2399.	2.4	22
104	Robustness testing of a chiral NACE method for R-timolol determination in S-timolol maleate and uncertainty assessment from quantitative data. Journal of Pharmaceutical and Biomedical Analysis, 2007, 44, 640-651.	2.8	22
105	Simultaneous determination of insulin and its analogues in pharmaceutical formulations by micellar electrokinetic chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2015, 111, 344-350.	2.8	22
106	Microfluidics contribution to pharmaceutical sciences: From drug discovery to post marketing product management. Journal of Pharmaceutical and Biomedical Analysis, 2018, 159, 348-362.	2.8	22
107	Thiamine and benfotiamine protect neuroblastoma cells against paraquat and Î²-amyloid toxicity by a coenzyme-independent mechanism. Heliyon, 2019, 5, e01710.	3.2	22
108	Development and validation of a sensitive solid phase extraction/hydrophilic interaction liquid chromatography/mass spectrometry method for the accurate determination of glucosamine in dog plasma. Journal of Chromatography A, 2010, 1217, 3275-3281.	3.7	21

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109	(+) or (â˜')-1-(9-fluorenyl)ethyl chloroformate as chiral derivatizing agent: A review. Journal of Chromatography A, 2017, 1513, 1-17.	3.7	21
110	Multidimensional performance assessment of micro pillar array column chromatography combined to ion mobility-mass spectrometry for proteome research. Analytica Chimica Acta, 2019, 1086, 1-13.	5.4	21
111	Effect of the nature of the singleâ€isomer anionic CD and the BGE composition on the enantiomeric separation of Î²â€blockers in NACE. Electrophoresis, 2009, 30, 2862-2868.	2.4	20
112	Evaluation of chlorine containing celluloseâ€based chiral stationary phases for the LC enantioseparation of basic pharmaceuticals using polar nonâ€aqueous mobile phases. Journal of Separation Science, 2011, 34, 617-622.	2.5	20
113	New role for EMD (emerin), a key inner nuclear membrane protein, as an enhancer of autophagosome formation in the C16-ceramide autophagy pathway. Autophagy, 2014, 10, 1229-1240.	9.1	20
114	Comparison of hyperspectral imaging techniques for the elucidation of falsified medicines composition. Talanta, 2019, 198, 457-463.	5.5	20
115	Dibenzoylthiamine Has Powerful Antioxidant and Anti-Inflammatory Properties in Cultured Cells and in Mouse Models of Stress and Neurodegeneration. Biomedicines, 2020, 8, 361.	3.2	20
116	In-capillary derivatization with (â˜')-1-(9-fluorenyl)ethyl chloroformate as chiral labeling agent for the electrophoretic separation of amino acids. Journal of Chromatography A, 2014, 1363, 338-347.	3.7	19
117	RIP3 antagonizes a TSC2-mediated pro-survival pathway in glioblastoma cell death. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 113-124.	4.1	19
118	High Inorganic Triphosphatase Activities in Bacteria and Mammalian Cells: Identification of the Enzymes Involved. PLoS ONE, 2012, 7, e43879.	2.5	18
119	Highly sensitive and selective separation of intact parathyroid hormone and variants by sheathless CEâ€ESIâ€MS/MS. Electrophoresis, 2019, 40, 1550-1557.	2.4	18
120	Development of injectable liposomes and drug-in-cyclodextrin-in-liposome formulations encapsulating estetrol to prevent cerebral ischemia of premature babies. European Journal of Pharmaceutical Sciences, 2019, 127, 52-59.	4.0	18
121	Differential Expression of Proteins in Response to Ceramide-Mediated Stress Signal in Colon Cancer Cells by 2-D Gel Electrophoresis and MALDI-TOFâ˜'MS. Journal of Proteome Research, 2005, 4, 870-880.	3.7	17
122	Partial filling affinity capillary electrophoresis as a useful tool for fragment-based drug discovery: A proof of concept on thrombin. Analytica Chimica Acta, 2017, 984, 211-222.	5.4	17
123	Selectivity evaluation of phenyl based stationary phases for the analysis of amino acid diastereomers by liquid chromatography coupled with mass spectrometry. Journal of Chromatography A, 2019, 1590, 80-87.	3.7	17
124	Modulation of Î±VÎ²6 integrin in osteoarthritis-related synovitis and the interaction with VTN(381â€“397) Tj ETQq0 0 0 rgBT /Overlock 1	7.7	17
125	Therapeutic peptides for chemotherapy: Trends and challenges for advanced delivery systems. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 167, 140-158.	4.3	17
126	High-sensitivity staining of proteins for one- and two-dimensional gel electrophoresis using post migration covalent staining with a ruthenium fluorophore. Electrophoresis, 2006, 27, 1407-1416.	2.4	16

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127	Nutrient digestibility ofMucuna (Mucuna pruriensvar.utilis)bean in guinea fowl (Numida meleagris,L): Effects of heat treatment and levels of incorporation in diets. British Poultry Science, 2009, 50, 564-572.	1.7	16
128	Association of two singleâ€isomer anionic CD in NACE for the chiral and achiral separation of fenbendazole, its sulphoxide and sulphone metabolites: Application to their determination after in vitro metabolism. Electrophoresis, 2010, 31, 1482-1487.	2.4	16
129	Potential Therapeutic Target Discovery by 2D-DIGE Proteomic Analysis in Mouse Models of Asthma. Journal of Proteome Research, 2011, 10, 4291-4301.	3.7	16
130	Development of a generic micellar electrokinetic chromatography method for the separation of 15 antimalarial drugs as a tool to detect medicine counterfeiting. Electrophoresis, 2012, 33, 1669-1678.	2.4	16
131	Determination of phenolic acids in extra virgin olive oil using supercritical fluid chromatography coupled with single quadrupole mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2018, 157, 217-225.	2.8	16
132	Capillary electrophoresis-mass spectrometry of derivatized amino acids for targeted neurometabolomics â€“ pH mediated reversal of diastereomer migration order. Journal of Chromatography A, 2018, 1564, 199-206.	3.7	16
133	Benefits of microsampling and microextraction for metabolomics studies. TrAC - Trends in Analytical Chemistry, 2020, 127, 115899.	11.4	16
134	Evaluation of the analytical performances of two Raman handheld spectrophotometers for pharmaceutical solid dosage form quantitation. Talanta, 2020, 214, 120888.	5.5	16
135	New biomarkers for primary mitral regurgitation. Clinical Proteomics, 2015, 12, 25.	2.1	15
136	Subcellular mechanisms involved in apoptosis induced by aminoglycoside antibiotics: Insights on p53, proteasome and endoplasmic reticulum. Toxicology and Applied Pharmacology, 2016, 309, 24-36.	2.8	15
137	Biomarkers of inflammation and innate immunity in atrophic nonunion fracture. Journal of Translational Medicine, 2016, 14, 258.	4.4	15
138	Study of intact virusâ€like particles of human papillomavirus by capillary electrophoresis. Electrophoresis, 2016, 37, 579-586.	2.4	15
139	Eccentric Training for Tendon Healing After Acute Lesion: A Rat Model. American Journal of Sports Medicine, 2017, 45, 1440-1446.	4.2	15
140	Production and characterization of virus-like particles of grapevine fanleaf virus presenting L2 epitope of human papillomavirus minor capsid protein. BMC Biotechnology, 2019, 19, 81.	3.3	15
141	Pixel-based Raman hyperspectral identification of complex pharmaceutical formulations. Analytica Chimica Acta, 2021, 1155, 338361.	5.4	15
142	Influence of sample and mobile phase composition on peptide retention behaviour and sensitivity in reversed-phase liquid chromatography/mass spectrometry. Journal of Chromatography A, 2013, 1314, 199-207.	3.7	14
143	Hyphenation of capillary zone electrophoresis with mass spectrometry for proteomic analysis: Optimization and comparison of two coupling interfaces. Journal of Chromatography A, 2020, 1618, 460873.	3.7	14
144	Enantiomeric separation of aminoglutethimide by capillary electrophoresis using native cyclodextrins in single and dual systems. Journal of Separation Science, 2003, 26, 536-542.	2.5	13

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145	CEâ€MS method development for peptides analysis, especially hepcidin, an iron metabolism marker. Electrophoresis, 2009, 30, 2624-2631.	2.4	13
146	Inflammation-Generated Extracellular Matrix Fragments Drive Lung Metastasis. Cancer Growth and Metastasis, 2017, 10, 117906441774553.	3.5	13
147	Transverse diffusion of laminar flow profiles as a generic capillary electrophoresis method for in-line nanoreactor mixing: Application to the investigation of antithrombotic activity. Talanta, 2018, 188, 516-521.	5.5	13
148	Enhancing protein discoverability by data independent acquisition assisted by ion mobility mass spectrometry. Talanta, 2020, 213, 120812.	5.5	13
149	Separation of phosphorothioated oligonucleotide diastereomers using multiplexed drift tube ion mobility mass spectrometry. Analytica Chimica Acta, 2022, 1191, 339297.	5.4	13
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