

Jacques Crommen

List of Publications by Year in descending order

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70
papers

1,718
citations

279798

23
h-index

330143

37
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70
all docs

70
docs citations

70
times ranked

1395
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral separation of basic drugs by capillary zone electrophoresis with cyclodextrin additives. <i>Electrophoresis</i> , 1994, 15, 818-823.	2.4	117
2	Method development strategies for the enantioseparation of drugs by capillary electrophoresis using cyclodextrins as chiral additives. <i>Electrophoresis</i> , 1998, 19, 2834-2840.	2.4	96
3	Designed combination of chiral selectors for adjustment of enantioseparation selectivity in capillary electrophoresis. <i>Electrophoresis</i> , 1999, 20, 2691-2697.	2.4	88
4	Supercritical fluid chromatography in traditional Chinese medicine analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 65-80.	2.8	62
5	Enantiomeric separation of acidic drugs by capillary electrophoresis using a combination of charged and uncharged β -cyclodextrins as chiral selectors. <i>Journal of High Resolution Chromatography</i> , 1996, 19, 669-673.	1.4	60
6	Enantioseparation of nonsteroidal anti-inflammatory drugs by capillary electrophoresis using mixtures of anionic and uncharged β -cyclodextrins as chiral additives. <i>Electrophoresis</i> , 1997, 18, 1013-1018.	2.4	59
7	Enantiomeric separation of N-protected amino acids by non-aqueous capillary electrophoresis using quinine or Tert-butyl carbamoylated quinine as chiral additive. , 1999, 11, 622-630.		58
8	Separation of nonsteroidal anti-inflammatory drugs by capillary electrophoresis using nonaqueous electrolytes. <i>Electrophoresis</i> , 1999, 20, 1907-1915.	2.4	52
9	Preparation of a β -cyclodextrin functionalized monolith via a novel and simple one-pot approach and application to enantioseparations. <i>Journal of Chromatography A</i> , 2014, 1325, 147-154.	3.7	50
10	Fast separation of triterpenoid saponins using supercritical fluid chromatography coupled with single quadrupole mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 22-29.	2.8	48
11	Development and validation of a fast SFC method for the analysis of flavonoids in plant extracts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 140, 384-391.	2.8	48
12	On-line coupling of partial filling-capillary zone electrophoresis with mass spectrometry for the separation of clenbuterol enantiomers. <i>Electrophoresis</i> , 2001, 22, 1363-1372.	2.4	44
13	Recent developments in cyclodextrin functionalized monolithic columns for the enantioseparation of chiral drugs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 130, 110-125.	2.8	39
14	Simultaneous analysis of nucleobases, nucleosides and ginsenosides in ginseng extracts using supercritical fluid chromatography coupled with single quadrupole mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 144, 213-219.	2.8	37
15	Enantioseparation of N-derivatized amino acids by micro-liquid chromatography using carbamoylated quinidine functionalized monolithic stationary phase. <i>Journal of Chromatography A</i> , 2014, 1363, 207-215.	3.7	35
16	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. <i>Journal of Chromatography A</i> , 2020, 1614, 460716.	3.7	30
17	Biomimetic Polymer-Based Method for Selective Capture of C-Reactive Protein in Biological Fluids. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41999-42008.	8.0	29
18	Simultaneous determination of amino acids in different teas using supercritical fluid chromatography coupled with single quadrupole mass spectrometry. <i>Journal of Pharmaceutical Analysis</i> , 2019, 9, 254-258.	5.3	29

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19	A micellar electrokinetic chromatography-mass spectrometry approach using in-capillary diastereomeric derivatization for fully automatized chiral analysis of amino acids. <i>Journal of Chromatography A</i> , 2016, 1467, 400-408.	3.7	28
20	Capillary electrophoresis in the context of drug discovery. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 144, 195-212.	2.8	28
21	Hydrophilic polymeric monoliths containing choline phosphate for separation science applications. <i>Analytica Chimica Acta</i> , 2018, 999, 184-189.	5.4	27
22	Determination of benzodiazepines by micellar electrokinetic chromatography. <i>Electrophoresis</i> , 1994, 15, 1316-1321.	2.4	25
23	Influence of the crosslinker type on the chromatographic properties of hydrophilic sulfoalkylbetaine-type monolithic columns. <i>Journal of Chromatography A</i> , 2014, 1373, 73-80.	3.7	25
24	Rapid screening and identification of monoamine oxidase-A inhibitors from <i>Corydalis</i> Rhizome using enzyme-immobilized magnetic beads based method. <i>Journal of Chromatography A</i> , 2019, 1592, 1-8.	3.7	25
25	Biomimetic small peptide functionalized affinity monoliths for monoclonal antibody purification. <i>Analytica Chimica Acta</i> , 2018, 1017, 57-65.	5.4	23
26	A novel mixed phospholipid functionalized monolithic column for early screening of drug induced phospholipidosis risk. <i>Journal of Chromatography A</i> , 2014, 1367, 99-108.	3.7	22
27	Simultaneous determination of insulin and its analogues in pharmaceutical formulations by micellar electrokinetic chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 111, 344-350.	2.8	22
28	Chiral separation of acidic compounds using an O-9-(tert-butylcarbamoyl)quinidine functionalized monolith in micro-liquid chromatography. <i>Journal of Chromatography A</i> , 2016, 1444, 64-73.	3.7	22
29	Evaluation of enantioselective nonaqueous ion-pair capillary electrophoresis as screening assay in the development of new ion exchange type chiral stationary phases. <i>Journal of Separation Science</i> , 2001, 24, 706-716.	2.5	21
30	(+) or (âˆš)-1-(9-fluorenyl)ethyl chloroformate as chiral derivatizing agent: A review. <i>Journal of Chromatography A</i> , 2017, 1513, 1-17.	3.7	21
31	Effect of the crosslinker type on the enantioseparation performance of Î²-cyclodextrin functionalized monoliths prepared by the one-pot approach. <i>Journal of Chromatography A</i> , 2016, 1467, 288-296.	3.7	20
32	Separation of N-derivatized di- and tri-peptide stereoisomers by micro-liquid chromatography using a quinidine-based monolithic column - Analysis of l-carnosine in dietary supplements. <i>Journal of Chromatography A</i> , 2016, 1428, 176-184.	3.7	20
33	In-capillary derivatization with (âˆš)-1-(9-fluorenyl)ethyl chloroformate as chiral labeling agent for the electrophoretic separation of amino acids. <i>Journal of Chromatography A</i> , 2014, 1363, 338-347.	3.7	19
34	Influence of the linking spacer length and type on the enantioseparation ability of Î²-cyclodextrin functionalized monoliths. <i>Talanta</i> , 2016, 152, 259-268.	5.5	19
35	Preparation and evaluation of a novel monolithic column containing double octadecyl chains for reverse-phase micro high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2014, 1345, 174-181.	3.7	18
36	Comparative enantiomer affinity pattern of Î²-blockers in aqueous and nonaqueous CE using single-component anionic cyclodextrins. <i>Electrophoresis</i> , 2015, 36, 1358-1364.	2.4	18

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37	Enantioseparation of N -derivatized amino acids by micro-liquid chromatography/laser induced fluorescence detection using quinidine-based monolithic columns. Journal of Pharmaceutical and Biomedical Analysis, 2016, 121, 244-252.	2.8	18
38	Comparative evaluation of a one-pot strategy for the preparation of β -cyclodextrin-functionalized monoliths: Effect of the degree of amino substitution of β -cyclodextrin on the column performance. Journal of Separation Science, 2015, 38, 1813-1821.	2.5	17
39	Preparation and evaluation of 400 μ m I.D. polymer-based hydrophilic interaction chromatography monolithic columns with high column efficiency. Journal of Chromatography A, 2017, 1509, 83-90.	3.7	17
40	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
41	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
42	Capillary electrophoresis-mass spectrometry of derivatized amino acids for targeted neurometabolomics – pH mediated reversal of diastereomer migration order. Journal of Chromatography A, 2018, 1564, 199-206.	3.7	16
43	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
44	Liposome electrokinetic chromatography based in vitro model for early screening of the drug-induced phospholipidosis risk. Journal of Pharmaceutical and Biomedical Analysis, 2014, 96, 263-271.	2.8	14
45	Fabrication and application of zwitterionic phosphorylcholine functionalized monoliths with different hydrophilic crosslinkers in hydrophilic interaction chromatography. Analytica Chimica Acta, 2020, 1101, 222-229.	5.4	14
46	A strategy for screening trypsin inhibitors from traditional Chinese medicine based on a monolithic capillary immobilized enzyme reactor coupled with offline liquid chromatography and mass spectrometry. Journal of Separation Science, 2019, 42, 1980-1989.	2.5	13
47	Separation of phosphorothioated oligonucleotide diastereomers using multiplexed drift tube ion mobility mass spectrometry. Analytica Chimica Acta, 2022, 1191, 339297.	5.4	13
48	Liquid chromatography separation of the chiral prodrug eslicarbazepine acetate and its main metabolites in polar organic mode. Application to their analysis after in vitro metabolism. Journal of Chromatography A, 2016, 1467, 306-311.	3.7	12
49	Analytical techniques currently used in the pharmaceutical industry for the quality control of RNA-based therapeutics and ongoing developments. Journal of Chromatography A, 2021, 1651, 462283.	3.7	12
50	First Preparative Enantiomer Resolution of Pirlindole, a Potent Antidepressant Drug. Helvetica Chimica Acta, 1998, 81, 539-547.	1.6	11
51	Comparative study on the enantioseparation of glutethimide using dual cyclodextrin systems and cyclodextrin modified MEKC in capillary electrophoresis. Journal of Separation Science, 2002, 25, 10-16.	2.5	11
52	Separation and determination of alpha-synuclein monomeric and oligomeric species using two electrophoretic approaches. Electrophoresis, 2018, 39, 3022-3031.	2.4	11
53	Clinical Pharmacokinetics of Once-Daily Molsidomine. American Journal of Drug Delivery, 2004, 2, 131-141.	0.6	10
54	Effect of fabrication strategy on the enantioseparation performance of β -cyclodextrin-functionalized polymethacrylate monoliths: A comparative evaluation. Journal of Separation Science, 2017, 40, 3754-3762.	2.5	10

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55	Capillary electrophoresis, high-performance liquid chromatography, and thin-layer chromatography analyses of phenolic compounds from rapeseed plants and evaluation of their antioxidant activity. <i>Journal of Separation Science</i> , 2019, 42, 609-618.	2.5	10
56	Development and validation of a liquid chromatographic method for the stability study of a pharmaceutical formulation containing voriconazole using cellulose tris(4-chloro-3-methylphenylcarbamate) as chiral selector and polar organic mobile phases. <i>Journal of Chromatography A</i> , 2014, 1363, 178-182.	3.7	9
57	Separation of deamidated peptides with mixed-mode chromatography using phospholipid-functionalized monolithic stationary phases. <i>Journal of Chromatography A</i> , 2019, 1603, 417-421.	3.7	9
58	Separation of human, bovine, and porcine insulins, three very closely related proteins, by micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2015, 36, 2504-2506.	2.4	8
59	One-pot preparation of a sulfamethoxazole functionalized affinity monolithic column for selective isolation and purification of trypsin. <i>Journal of Chromatography A</i> , 2015, 1400, 47-53.	3.7	8
60	Ultra-high-performance liquid chromatography-mass spectrometry method for neutrophil gelatinase-associated lipocalin as a predictive biomarker in acute kidney injury. <i>Talanta</i> , 2019, 195, 668-675.	5.5	7
61	Method development and validation for the determination of biogenic amines in soy sauce using supercritical fluid chromatography coupled with single quadrupole mass spectrometry. <i>Journal of Separation Science</i> , 2020, 43, 2728-2736.	2.5	7
62	Analysis of protamine peptides in insulin pharmaceutical formulations by capillary electrophoresis. <i>Journal of Separation Science</i> , 2016, 39, 1189-1194.	2.5	6
63	Development of histidine-tagged cyclic peptide functionalized monolithic material for the affinity purification of antibodies in biological matrices. <i>Journal of Chromatography A</i> , 2021, 1635, 461707.	3.7	6
64	Rapid preparation of 1-vinylimidazole based non-affinity polymers for the highly-selective purification of antibodies from multiple biological sources. <i>Journal of Chromatography A</i> , 2020, 1632, 461607.	3.7	4
65	Development of acidic phospholipid containing immobilized artificial membrane column to predict drug-induced phospholipidosis potency. <i>Journal of Chromatography A</i> , 2021, 1647, 462147.	3.7	4
66	Development of zirconium modified adenosine triphosphate functionalized monolith for specific enrichment of N-glycans. <i>Journal of Chromatography A</i> , 2021, 1644, 462090.	3.7	3
67	Effective resolution of racemic pirlindole at the preparative scale. <i>Chirality</i> , 1999, 11, 261-266.	2.6	2
68	Separation of non-steroidal anti-inflammatory drugs by capillary electrophoresis using non-aqueous electrolyte. , 2000, 14, 12-13.		2
69	Simultaneous quantification of urea and allantoin in cosmetic products by nano-HPLC using a highly hydrophilic monolith. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2018, 41, 780-785.	1.0	2
70	Comparison of Three Complementary Analytical Techniques for the Evaluation of the Biosimilar Comparability of a Monoclonal Antibody and an Fc-Fusion Protein. <i>Frontiers in Chemistry</i> , 2021, 9, 782099.	3.6	0