

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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all docs

70
docs citations

70
times ranked

1395
citing authors

#	ARTICLE	IF	CITATIONS
1	Separation of phosphorothioated oligonucleotide diastereomers using multiplexed drift tube ion mobility mass spectrometry. <i>Analytica Chimica Acta</i> , 2022, 1191, 339297.	5.4	13
2	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
3	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
4	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
5	Analytical techniques currently used in the pharmaceutical industry for the quality control of RNA-based therapeutics and ongoing developments. <i>Journal of Chromatography A</i> , 2021, 1651, 462283.	3.7	12
6	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
7	Fabrication and application of zwitterionic phosphorylcholine functionalized monoliths with different hydrophilic crosslinkers in hydrophilic interaction chromatography. <i>Analytica Chimica Acta</i> , 2020, 1101, 222-229.	5.4	14
8	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
9	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
10	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
11	Selectivity evaluation of phenyl based stationary phases for the analysis of amino acid diastereomers by liquid chromatography coupled with mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1590, 80-87.	3.7	17
12	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
13	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
14	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. <i>Journal of Separation Science</i> , 2019, 42, 1980-1989.	2.5	13
15	Rapid screening and identification of monoamine oxidase-A inhibitors from <i>Corydalis Rhizome</i> using enzyme-immobilized magnetic beads based method. <i>Journal of Chromatography A</i> , 2019, 1592, 1-8.	3.7	25
16	Production and characterization of virus-like particles of grapevine fanleaf virus presenting L2 epitope of human papillomavirus minor capsid protein. <i>BMC Biotechnology</i> , 2019, 19, 81.	3.3	15
17	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
18	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

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19	Biomimetic small peptide functionalized affinity monoliths for monoclonal antibody purification. <i>Analytica Chimica Acta</i> , 2018, 1017, 57-65.	5.4	23
20	Supercritical fluid chromatography in traditional Chinese medicine analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 65-80.	2.8	62
21	Hydrophilic polymeric monoliths containing choline phosphate for separation science applications. <i>Analytica Chimica Acta</i> , 2018, 999, 184-189.	5.4	27
22	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
23	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
24	Separation and determination of alpha-synuclein monomeric and oligomeric species using two electrophoretic approaches. <i>Electrophoresis</i> , 2018, 39, 3022-3031.	2.4	11
25	Determination of phenolic acids in extra virgin olive oil using supercritical fluid chromatography coupled with single quadrupole mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 157, 217-225.	2.8	16
26	Capillary electrophoresis-mass spectrometry of derivatized amino acids for targeted neurometabolomics – pH mediated reversal of diastereomer migration order. <i>Journal of Chromatography A</i> , 2018, 1564, 199-206.	3.7	16
27	Capillary electrophoresis in the context of drug discovery. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 144, 195-212.	2.8	28
28	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
29	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
30	(+) or (–)-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 fabrication strategy on the enantioseparation performance of β -cyclodextrin-functionalized polymethacrylate monoliths: A comparative evaluation. <i>Journal of Separation Science</i> , 2017, 40, 3754-3762.	2.5	10
32	Preparation and evaluation of 400 μ m I.D. polymer-based hydrophilic interaction chromatography monolithic columns with high column efficiency. <i>Journal of Chromatography A</i> , 2017, 1509, 83-90.	3.7	17
33	Effect of the crosslinker type on the enantioseparation performance of β -cyclodextrin functionalized monoliths prepared by the one-pot approach. <i>Journal of Chromatography A</i> , 2016, 1467, 288-296.	3.7	20
34	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. <i>Journal of Chromatography A</i> , 2016, 1467, 306-311.	3.7	12
35	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
36	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

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37	Analysis of protamine peptides in insulin pharmaceutical formulations by capillary electrophoresis. <i>Journal of Separation Science</i> , 2016, 39, 1189-1194.	2.5	6
38	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
39	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
40	Influence of the linking spacer length and type on the enantioseparation ability of β -cyclodextrin functionalized monoliths. <i>Talanta</i> , 2016, 152, 259-268.	5.5	19
41	Enantioseparation of N-derivatized amino acids by micro-liquid chromatography/laser induced fluorescence detection using quinidine-based monolithic columns. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 244-252.	2.8	18
42	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
43	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
44	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. <i>Journal of Separation Science</i> , 2015, 38, 1813-1821.	2.5	17
45	Comparative enantiomer affinity pattern of β -blockers in aqueous and nonaqueous CE using single-component anionic cyclodextrins. <i>Electrophoresis</i> , 2015, 36, 1358-1364.	2.4	18
46	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
47	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
48	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
49	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
50	Liposome electrokinetic chromatography based in vitro model for early screening of the drug-induced phospholipidosis risk. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 96, 263-271.	2.8	14
51	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
52	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
53	In-capillary derivatization with (α)-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
54	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

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55	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
56	Clinical Pharmacokinetics of Once-Daily Molsidomine. <i>American Journal of Drug Delivery</i> , 2004, 2, 131-141.	0.6	10
57	Comparative study on the enantioseparation of glutethimide using dual cyclodextrin systems and cyclodextrin modified MEKC in capillary electrophoresis. <i>Journal of Separation Science</i> , 2002, 25, 10-16.	2.5	11
58	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
59	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
60	Separation of non-steroidal anti-inflammatory drugs by capillary electrophoresis using non-aqueous electrolyte. , 2000, 14, 12-13.		2
61	Separation of nonsteroidal anti-inflammatory drugs by capillary electrophoresis using nonaqueous electrolytes. <i>Electrophoresis</i> , 1999, 20, 1907-1915.	2.4	52
62	Designed combination of chiral selectors for adjustment of enantioseparation selectivity in capillary electrophoresis. <i>Electrophoresis</i> , 1999, 20, 2691-2697.	2.4	88
63	Effective resolution of racemic pirlindole at the preparative scale. <i>Chirality</i> , 1999, 11, 261-266.	2.6	2
64	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
65	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
66	First Preparative Enantiomer Resolution of Pirlindole, a Potent Antidepressant Drug. <i>Helvetica Chimica Acta</i> , 1998, 81, 539-547.	1.6	11
67	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
68	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
69	Chiral separation of basic drugs by capillary zone electrophoresis with cyclodextrin additives. <i>Electrophoresis</i> , 1994, 15, 818-823.	2.4	117
70	Determination of benzodiazepines by micellar electrokinetic chromatography. <i>Electrophoresis</i> , 1994, 15, 1316-1321.	2.4	25