

Cristina Minguillon

List of Publications by Year in descending order

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70
papers

2,248
citations

218592

26
h-index

223716

46
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85
all docs

85
docs citations

85
times ranked

1803
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalently bonded polysaccharide derivatives as chiral stationary phases in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2001, 906, 155-170.	1.8	210
2	Identification of a Novel Metabolite in the Degradation of Pyrene by <i>Mycobacterium</i> sp. Strain AP1: Actions of the Isolate on Two- and Three-Ring Polycyclic Aromatic Hydrocarbons. <i>Applied and Environmental Microbiology</i> , 2001, 67, 5497-5505.	1.4	174
3	Hydrogen separation and purification using polysulfone acrylate-zeolite mixed matrix membranes. <i>Journal of Membrane Science</i> , 2010, 350, 340-346.	4.1	109
4	Chiral Chromatographic Discrimination Ability of a Cellulose 3,5-Dimethylphenylcarbamate/10-Undecenoate Mixed Derivative Fixed on Several Chromatographic Matrices. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1995, 18, 1521-1532.	0.9	104
5	Huprine-Tacrine Heterodimers as Anti-Amyloidogenic Compounds of Potential Interest against Alzheimer's and Prion Diseases. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 661-669.	2.9	90
6	Bonded cellulose-derived high-performance liquid chromatography chiral stationary phases I. Influence of the degree of fixation on selectivity. <i>Journal of Chromatography A</i> , 1996, 728, 407-414.	1.8	89
7	3,5-Dimethylphenylcarbamates of amylose, chitosan and cellulose bonded on silica gel. <i>Journal of Chromatography A</i> , 1998, 796, 265-272.	1.8	86
8	Preparative Enantiomer Separation of Dichlorprop with a Cinchona-Derived Chiral Selector Employing Centrifugal Partition Chromatography and High-Performance Liquid Chromatography: A Comparative Study. <i>Analytical Chemistry</i> , 2004, 76, 5837-5848.	3.2	83
9	The chromatographic separation of enantiomers through nanoscale design. <i>Chemical Society Reviews</i> , 2009, 38, 797.	18.7	74
10	Enantioselective synthetic approaches to cyclopropane and cyclobutane β -amino acids: synthesis and structural study of a conformationally constrained β -dipeptide. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 3569-3584.	1.8	63
11	Chitosan derivatives as chiral selectors bonded on allyl silica gel: preparation, characterisation and study of the resulting high-performance liquid chromatography chiral stationary phases. <i>Journal of Chromatography A</i> , 1999, 839, 15-21.	1.8	62
12	Multiple dual-mode countercurrent chromatography applied to chiral separations using a (S)-naproxen derivative as chiral selector. <i>Journal of Chromatography A</i> , 2009, 1216, 8505-8511.	1.8	62
13	Enantiomer Separation by Countercurrent Chromatography Using Cinchona Alkaloid Derivatives as Chiral Selectors. <i>Analytical Chemistry</i> , 2002, 74, 4175-4183.	3.2	59
14	Solvent versatility of bonded cellulose-derived chiral stationary phases for high-performance liquid chromatography and its consequences in column loadability. <i>Journal of Chromatography A</i> , 1998, 793, 239-247.	1.8	45
15	Benzoates of cellulose bonded on silica gel: Chiral discrimination ability as high-performance liquid chromatographic chiral stationary phases. <i>Chirality</i> , 1997, 9, 145-149.	1.3	40
16	Metabolism of fluoranthene by <i>Mycobacterium</i> sp. strain AP1. <i>Applied Microbiology and Biotechnology</i> , 2006, 70, 747-756.	1.7	39
17	Synthetic applications of 2-cyano-1,2,3,6-tetrahydropyridines. 2. Synthesis of isodasycarpidone and related systems, the ervitsine skeleton and its benzo analog. <i>Journal of Organic Chemistry</i> , 1985, 50, 1516-1522.	1.7	38
18	Bonded cellulose-derived high-performance liquid chromatography chiral stationary phases II. Influence of the porosity of the silica gel matrix on performance. <i>Journal of Chromatography A</i> , 1996, 728, 415-422.	1.8	36

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19	Application of cellulose and amylose arylcarbamates as chiral selectors in counter-current chromatography. <i>Journal of Chromatography A</i> , 2006, 1107, 165-174.	1.8	35
20	Bonded cellulose-derived high-performance liquid chromatography chiral stationary phases. <i>Journal of Chromatography A</i> , 1997, 791, 37-44.	1.8	34
21	Stereoselective synthesis of (S)--(1R,2S)-2-aminocyclobutane-1-carboxylic acid, a conformationally constrained β^2 -amino acid. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 4291-4294.	1.8	33
22	Carbamates of cellulose bonded on silica gel: Chiral discrimination ability as HPLC chiral stationary phases. <i>Chirality</i> , 1998, 10, 283-288.	1.3	32
23	Characterization of doubly substituted polysaccharide derivatives. <i>Carbohydrate Research</i> , 2000, 329, 367-376.	1.1	31
24	Separation of propranolol enantiomers through membranes based on chiral derivatized polysulfone. <i>Polymer</i> , 2005, 46, 12306-12312.	1.8	31
25	Retention of fluorinated chiral selectors in biphasic fluorinated solvent systems and its application to the separation of enantiomers by countercurrent chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 1094-1100.	1.8	30
26	High resolution mass spectrometry in the identification of transformation products and metabolites from β^2 -lactam antibiotics in thermally treated milk. <i>Journal of Chromatography A</i> , 2014, 1368, 89-99.	1.8	28
27	Metabolic profile modifications in milk after enrofloxacin administration studied by liquid chromatography coupled with high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1460, 92-99.	1.8	28
28	Donor-Acceptor Chiral Centrifugal Partition Chromatography: Complete Resolution of Two Pairs of Amino-Acid Derivatives with a Chiral II Donor Selector. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1994, 17, 2301-2318.	0.9	27
29	Enantiomer separation by counter-current chromatography. <i>Journal of Chromatography A</i> , 2005, 1092, 36-42.	1.8	26
30	Enantiomeric separation of drugs and herbicides on a β -cyclodextrin-bonded stationary phase. <i>Chirality</i> , 2002, 14, 59-66.	1.3	24
31	Mixed cellulose-derived benzoates bonded on allylsilica gel as HPLC chiral stationary phases: influence of the introduction of an aromatic moiety in the fixation substituent. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1179-1185.	1.8	24
32	Optimisation of the derivatization in cellulose-type chiral selectors for enantioseparation by centrifugal partition chromatography. <i>Journal of Separation Science</i> , 2006, 29, 1379-1389.	1.3	24
33	Chiral-bonded silica gel stationary phases obtained from chiral silanes for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1992, 606, 9-17.	1.8	22
34	Silica-bonded chiral stationary phases with structurally simple β -donor chiral selectors for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1992, 589, 53-59.	1.8	21
35	Azole additions upon azinium salts. <i>Tetrahedron</i> , 1997, 53, 13959-13968.	1.0	20
36	Structure-Guided Engineering of β -Fructose-6-Phosphate Aldolase for Improved Acceptor Tolerance in Biocatalytic Aldol Additions. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1787-1807.	2.1	20

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37	Synthesis and conformational analysis of 2-amino-1,2,3,4-tetrahydro-1-naphthalenols. <i>Canadian Journal of Chemistry</i> , 1988, 66, 517-527.	0.6	19
38	Immobilization of endo-1,4- β -xyranase on polysulfone acrylate membranes: Synthesis and characterization. <i>Journal of Membrane Science</i> , 2006, 280, 383-388.	4.1	19
39	Preparative isolation of the eutomer of cyclothiazide by high-performance liquid chromatography on a cellulose-derived chiral stationary phase with toluene-acetone as the mobile phase. <i>Journal of Chromatography A</i> , 1996, 729, 29-32.	1.8	18
40	Selective monosulfoxidation of tetrathiafulvalenes into chiral TTF- α -sulfoxides. <i>Chirality</i> , 2009, 21, 818-825.	1.3	18
41	Preparative enantioseparation of (\pm)-N-(3,4-cis-3-decyl-1,2,3,4-tetrahydrophenanthren-4-yl)-3,5-dinitrobenzamide by centrifugal partition chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 1183-1190.	1.8	17
42	Polyproline derivatives as chiral selectors in high performance liquid chromatography: Chromatographic and conformational studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 875, 93-101.	1.2	16
43	4-Alkoxybenzoxonitriles from O-alkyl-4-nitrobenzaloximes: an elimination-aromatic substitution reaction. <i>Journal of Organic Chemistry</i> , 1983, 48, 3105-3106.	1.7	14
44	Evaluation of the contribution to enantioselectivity of quinine and quinidine scaffolds in chemically and physically mixed chiral selectors. <i>Chirality</i> , 2001, 13, 177-186.	1.3	14
45	Countercurrent Chromatography, Scope and Perspectives: Application to Chirotechnology. <i>Chemical Engineering and Technology</i> , 2012, 35, 35-45.	0.9	14
46	Preparation and evaluation of chiral high-performance liquid chromatographic stationary phases of mixed character (β -donor and β -acceptor) for the resolution of racemic compounds. <i>Journal of Chromatography A</i> , 1991, 543, 277-286.	1.8	13
47	Comparison between silica-bonded chiral stationary phases derived from 3,5-disubstituted N-benzoyl-(S)-phenylalanine and (S)-cyclohexylalanine in the resolution of racemic compounds by liquid chromatography. <i>Journal of Chromatography A</i> , 1994, 672, 59-65.	1.8	13
48	Monolithic silica columns functionalized with substituted polyproline-derived chiral selectors as chiral stationary phases for high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2014, 37, 2805-2813.	1.3	13
49	A (4R)-Hydroxy-L-proline-derived chiral scaffold and its oligomers as chiral selectors in liquid chromatography chiral stationary phases for enantioseparation. <i>Journal of Separation Science</i> , 2006, 29, 905-914.	1.3	12
50	Effects of supercritical fluid chromatography conditions on enantioselectivity and performance of polyproline-derived chiral stationary phases. <i>Journal of Chromatography A</i> , 2015, 1403, 138-143.	1.8	11
51	Resolution of several racemic 3-hydroxy-1,4-benzodiazepin-2-ones by high-performance liquid chromatography on a chiral silica-bonded stationary phase. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1992, 10, 925-930.	1.4	9
52	Chromatographic resolution of several racemic 9-fluorenyl derivatives on a bonded cellulose derived chiral stationary phase for HPLC. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 633-636.	1.8	9
53	Enantioselective separation of several piperidine-2, 6-diones on a covalently bonded cellulose 3, 5-dimethylphenyl carbamate/10-undecenoate chiral selector. <i>Biomedical Chromatography</i> , 1997, 11, 303-306.	0.8	9
54	Preparation of Dimethyl 7-oxobicyclo[2.2.1]heptane- α , α - β dicarboxylate. An Easy Route to Functionalized Norbornane Derivatives and Cage Compounds. <i>Chemische Berichte</i> , 1990, 123, 1715-1718.	0.2	7

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55	Preparation of mixed 10-undecenoyl/phenylaminocarbonyl or benzoyl derivatives of chitosan. Carbohydrate Research, 2000, 328, 617-622.	1.1	7
56	Monolithic silica columns with covalently attached octaproline chiral selector. Dependence of performance on derivatization degree and comparison with a bead-based analogue. Journal of Chromatography A, 2015, 1384, 124-132.	1.8	7
57	Conformational analysis of bicyclo[3.3.1]nonane-2,4-dicarboxylic acid derivatives and related compounds. Chemische Berichte, 1989, 122, 1313-1322.	0.2	6
58	First enantioselective synthesis of isagarin, a natural product isolated from <i>Pentas longiflora</i> Oliv.. Tetrahedron, 2010, 66, 5158-5160.	1.0	5
59	Octaproline, a conformationally flexible chiral selector in liquid chromatographic enantioseparation. Journal of Chromatography A, 2014, 1363, 109-118.	1.8	4
60	Stereochemical assignment of erythro and threo isomers of 2-aryloxy-1-(2-piperidyl)ethanol by phase sensitive homocorrelation nuclear magnetic resonance experiments. Canadian Journal of Chemistry, 1988, 66, 2782-2786.	0.6	3
61	Synthesis of 2-aryloxy- and 2-arylalkoxy-1-(2-piperidyl)ethanols. Journal of Heterocyclic Chemistry, 1989, 26, 693-699.	1.4	3
62	New dimers from the decomposition of \pm -lithio-N-nitrosamines. Evidence for no α ' elimination.. Tetrahedron Letters, 1990, 31, 3059-3062.	0.7	3
63	Techniques in Preparative Chiral Separations. , 0, , 1-23.		2
64	Evaluation of l-proline derivatives as chiral carriers in the separation of enantiomers by membrane techniques. Desalination, 2006, 200, 117-119.	4.0	2
65	Enantioselective Recognition in Solution: The Case of Countercurrent Chromatography. , 2010, , 241-274.		2
66	Stereochemical assignment of 2-amino-1,2,3,4-tetrahydro-1-naphthalenols via oxazolidin-2-one derivatives. Canadian Journal of Chemistry, 1987, 65, 868-872.	0.6	1
67	Example of pitfalls in the UV detection used in the resolution of racemic compounds by liquid chromatography. Journal of Chromatography A, 1993, 653, 144-147.	1.8	0
68	Chapter 11 Enantioseparations in countercurrent chromatography and centrifugal partition chromatography. Comprehensive Analytical Chemistry, 2002, , 331-351.	0.7	0
69	Counter-Current Chromatography in the Separation of Enantiomers. , 0, , 369-397.		0
70	Metabolites in Milk after Enrofloxacin Treatment and Their Persistence to Temperature. Journal of Agricultural and Food Chemistry, 2022, 70, 8441-8450.	2.4	0