Michael LÃ¤mmerhofer

List of Publications by Year
in descending order

173	6,826	76196	82410
papers	citations	40 h-index	72 g-index

176	176	176	5811
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Acute coronary syndrome is associated with a substantial change in the platelet lipidome. Cardiovascular Research, 2022, 118, 1904-1916.	1.8	17
2	Addressing a Trapped High-Energy Water: Design and Synthesis of Highly Potent Pyrimidoindole-Based Glycogen Synthase Kinase-3Î² Inhibitors. Journal of Medicinal Chemistry, 2022, 65, 1283-1301.	2.9	9
3	Distinct and Convergent Beneficial Effects of Estrogen and Insulin on Cognitive Function in Healthy Young Men. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e582-e593.	1.8	3
4	Enantioselective metabolomics by liquid chromatography-mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2022, 207, 114430.	1.4	18
5	Isomer-selective analysis of inositol phosphates with differential isotope labelling by phosphate methylation using liquid chromatography with tandem mass spectrometry. Analytica Chimica Acta, 2022, 1191, 339286.	2.6	4
6	Towards enantioselective ultrahigh performance liquid chromatographyâ€“mass spectrometryâ€based metabolomics of branchedâ€chain fatty acids and anteiso â€fatty acids under reversedâ€phase conditions using subâ€2â€¼m amyloseâ€and celluloseâ€derived chiral stationary phases. Chirality, 2022, 34, 484-497.	1.3	4
7	Platelet ACKR3/CXCR7 favors antiplatelet lipids over anÂatherothrombotic lipidome and regulates thromboinflammation. Blood, 2022, 139, 1722-1742.	0.6	17
8	Molecular Basis of Rhodomyrtone Resistance in Staphylococcus aureus. MBio, 2022, 13, e0383321.	1.8	7
9	High Plasticity of the Amicetin Biosynthetic Pathway in Streptomyces sp. SHP 22-7 Led to the Discovery of Streptcytosine P and Cytosaminomycins F and G and Facilitated the Production of 12F-Plicacetin. Journal of Natural Products, 2022, 85, 530-539.	1.5	6
10	ACKR3 regulates platelet activation and ischemia-reperfusion tissue injury. Nature Communications, 2022, 13, 1823.	5.8	13
11	Comprehensive profiling of conjugated fatty acid isomers and their lipid oxidation products by two-dimensional chiral RPÃ—RP liquid chromatography hyphenated to UV- and SWATH-MS-detection. Analytica Chimica Acta, 2022, 1202, 339667.	2.6	10
12	Enantioselective UHPLC Screening Combined with In Silico Modeling for Streamlined Development of Ultrafast Enantiopurity Assays. Analytical Chemistry, 2022, 94, 1804-1812.	3.2	31
13	Study of microheterogeneity of silatrane-based silica surface bonding chemistry and its optimization for the synthesis of chiral stationary phases for enantioselective liquid chromatography. Journal of Chromatography A, 2022, , 463138.	1.8	0
14	Development and chromatographic exploration of stableâ€bonded crossâ€linked amino silica against classical amino phases. Journal of Separation Science, 2022, 45, 3286-3300.	1.3	1
15	Targeted analysis of sugar phosphates from glycolysis pathway by phosphate methylation with liquid chromatography coupled to tandem mass spectrometry. Analytica Chimica Acta, 2022, 1221, 340099.	2.6	6
16	Kinetic performance comparison of superficially porous, fully porous and monolithic reversed-phase columns by gradient kinetic plots for the separation of protein biopharmaceuticals. Journal of Chromatography A, 2022, 1676, 463251.	1.8	2
17	AÎ²1-42 peptide toxicity on neuronal cells: A lipidomic study. Journal of Pharmaceutical and Biomedical Analysis, 2022, 219, 114876.	1.4	1
18	Quality-by-design approach for development of aqueous headspace microextraction GC-MS method for targeted metabolomics of small aldehydes in plasma of cardiovascular patients. Analytica Chimica Acta, 2022, 1221, 340176.	2.6	5

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19	Advanced unified monophasic lipid extraction protocol with wide coverage on the polarity scale optimized for large-scale untargeted clinical lipidomics analysis of platelets. Analytica Chimica Acta, 2022, 1221, 340155.	2.6	10
20	Charge variant analysis of protein-based biopharmaceuticals using two-dimensional liquid chromatography hyphenated to mass spectrometry. Journal of Chromatography A, 2021, 1636, 461786.	1.8	20
21	Targeted Profiling of Short-, Medium-, and Long-Chain Fatty Acyl-Coenzyme As in Biological Samples by Phosphate Methylation Coupled to Liquid Chromatographyâ€“Tandem Mass Spectrometry. Analytical Chemistry, 2021, 93, 4342-4350.	3.2	10
22	Preparation and characterization of poly(3-mercaptopropyl)methylsiloxane functionalized silica particles and their further modification for silver ion chromatography and enantioselective high-performance liquid chromatography. Journal of Chromatography A, 2021, 1643, 462069.	1.8	11
23	Impurity profiling of siRNA by two-dimensional liquid chromatography-mass spectrometry with quinine carbamate anion-exchanger and ion-pair reversed-phase chromatography. Journal of Chromatography A, 2021, 1643, 462065.	1.8	18
24	Direct enantioselective gradient reversedâ€phase ultraâ€high performance liquid chromatography tandem mass spectrometry method for 3â€hydroxy alkanoic acids in lipopeptides on an immobilized 1.6ÂÎ¼m amyloseâ€based chiral stationary phase. Journal of Separation Science, 2021, 44, 1875-1883.	1.3	14
25	Isomer Selective Comprehensive Lipidomics Analysis of Phosphoinositides in Biological Samples by Liquid Chromatography with Data Independent Acquisition Tandem Mass Spectrometry. Analytical Chemistry, 2021, 93, 9583-9592.	3.2	27
26	Controllable organosilane monolayer density of surface bonding using silatranes for thiol functionalization of silica particles for liquid chromatography and validation of microanalytical method for elemental composition determination. Journal of Chromatography A, 2021, 1653, 462418.	1.8	9
27	Fast accurate quantification of salivary cortisol and cortisone in a large-scale clinical stress study by micro-UHPLC-ESI-MS/MS using a surrogate calibrant approach. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1182, 122939.	1.2	6
28	Untargeted UHPLC-ESI-QTOF-MS/MS analysis with targeted feature extraction at precursor and fragment level for profiling of the platelet lipidome with ex vivo thrombin-activation. Journal of Pharmaceutical and Biomedical Analysis, 2021, 205, 114301.	1.4	13
29	Enantioselective multiple heart cutting online two-dimensional liquid chromatography-mass spectrometry of all proteinogenic amino acids with second dimension chiral separations in one-minute time scales on a chiral tandem column. Analytica Chimica Acta, 2021, 1180, 338858.	2.6	22
30	Rapid enantioselective amino acid analysis by ultra-high performance liquid chromatography-mass spectrometry combining 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate derivatization with core-shell quinine carbamate anion exchanger separation. Journal of Chromatography Open, 2021, 1, 100004.	0.8	7
31	Discovery of Thanafactin A, a Linear, Proline-Containing Octalipopeptide from Pseudomonas sp. SH-C52, Motivated by Genome Mining. Journal of Natural Products, 2021, 84, 101-109.	1.5	7
32	DoE Optimization Empowers the Automated Preparation of Enantiomerically Pure [¹⁸F]Talazoparib and its In Vivo Evaluation as a PARP Radiotracer. Journal of Medicinal Chemistry, 2021, 64, 15690-15701.	2.9	14
33	No Evidence for a Role of Oral Contraceptive-Use in Emotion Recognition But Higher Negativity Bias in Early Follicular Women. Frontiers in Behavioral Neuroscience, 2021, 15, 773961.	1.0	3
34	Mixed-mode chromatography characteristics of chiralpak ZWIX(+) and ZWIX(â^') and elucidation of their chromatographic orthogonality for LCÂÃ—ÂLC application. Analytica Chimica Acta, 2020, 1093, 168-179.	2.6	14
35	Retention characteristics of poly(N-(1H-tetrazole-5-yl)-methacrylamide)-bonded stationary phase in hydrophilic interaction chromatography. Journal of Chromatography A, 2020, 1609, 460500.	1.8	8
36	Lipid Atlas of Keratinocytes and Betulin Effects on its Lipidome Profiled by Comprehensive UHPLCâ€“MS/MS with Data Independent Acquisition Using Targeted Data Processing. Proteomics, 2020, 20, e1900113.	1.3	9

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37	Simultaneous targeted and untargeted UHPLC-ESI-MS/MS method with data-independent acquisition for quantification and profiling of (oxidized) fatty acids released upon platelet activation by thrombin. Analytica Chimica Acta, 2020, 1094, 57-69.	2.6	15
38	Cinchona-based zwitterionic stationary phases: Exploring retention and enantioseparation mechanisms in supercritical fluid chromatography with a fragmentation approach. Journal of Chromatography A, 2020, 1612, 460689.	1.8	14
39	A selective comprehensive reversed-phaseÃ—reversed-phase 2D-liquid chromatography approach with multiple complementary detectors as advanced generic method for the quality control of synthetic and therapeutic peptides. Journal of Chromatography A, 2020, 1627, 461430.	1.8	21
40	Discovery and Evaluation of Enantiopure 9H-pyrimido[4,5-b]indoles as Nanomolar GSK-3Î² Inhibitors with Improved Metabolic Stability. International Journal of Molecular Sciences, 2020, 21, 7823.	1.8	6
41	Enantioselective ultra-high performance liquid chromatography-tandem mass spectrometry method based on sub-2Âµm particle polysaccharide column for chiral separation of oxylipins and its application for the analysis of autoxidized fatty acids and platelet releasates. Journal of Chromatography A, 2020, 1624, 461206.	1.8	26
42	Multiple heart-cutting mixed-mode chromatography-reversed-phase 2D-liquid chromatography method for separation and mass spectrometric characterization of synthetic oligonucleotides. Journal of Chromatography A, 2020, 1625, 461338.	1.8	30
43	Micro-UHPLC-MS/MS method for analysis of oxylipins in plasma and platelets. Journal of Pharmaceutical and Biomedical Analysis, 2020, 189, 113426.	1.4	14
44	Separation of carbohydrate isomers and anomers on poly-N-(1H-tetrazole-5-yl)-methacrylamide-bonded stationary phase by hydrophilic interaction chromatography as well as determination of anomer interconversion energy barriers. Journal of Chromatography A, 2020, 1620, 460981.	1.8	12
45	Lipidomic profiling of non-mineralized dental plaque and biofilm by untargeted UHPLC-QTOF-MS/MS and SWATH acquisition. Analytical and Bioanalytical Chemistry, 2020, 412, 2303-2314.	1.9	10
46	Fragment-based Design of Zwitterionic, Strong Cation- and Weak Anion-Exchange Type Mixed-mode Liquid Chromatography Ligands and their Chromatographic Exploration. Journal of Chromatography A, 2020, 1621, 461075.	1.8	16
47	Thiol-ene photo-click immobilization of a chiral chromatographic ligand on silica particles. Journal of Chromatography A, 2020, 1622, 461133.	1.8	12
48	Comprehensive lipidomics of mouse plasma using class-specific surrogate calibrants and SWATH acquisition for large-scale lipid quantification in untargeted analysis. Analytica Chimica Acta, 2019, 1086, 90-102.	2.6	27
49	Inâ€situ photopolymerized polyhedral oligomeric silsesquioxaneâ€derived monolithic capillary columns with quinidine functionality for enantioseparation by nanoâ€liquid chromatography. Electrophoresis, 2019, 40, 3132-3139.	1.3	2
50	Racemization without deamidation: Effect of racemization conditions on 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate tagged amino acids. Journal of Chromatography A, 2019, 1604, 460492.	1.8	3
51	A combined targeted/untargeted LC-MS/MS-based screening approach for mammalian cell lines treated with ionic liquids: Toxicity correlates with metabolic profile. Talanta, 2019, 197, 472-481.	2.9	6
52	Discovery of the Cyclic Lipopeptide Gacamide A by Genome Mining and Repair of the Defective GacA Regulator in Pseudomonas fluorescens Pf0-1. Journal of Natural Products, 2019, 82, 301-308.	1.5	38
53	Guidelines for Selection of Internal Standard-Based Normalization Strategies in Untargeted Lipidomic Profiling by LC-HR-MS/MS. Analytical Chemistry, 2019, 91, 9836-9843.	3.2	29
54	Evaluation of superficially porous particle based zwitterionic chiral ion exchangers against fully porous particle benchmarks for enantioselective ultra-high performance liquid chromatography. Journal of Chromatography A, 2019, 1603, 130-140.	1.8	32

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55	Derivatize, Racemize, and Analyzeâ€"an Easy and Simple Procedure for Chiral Amino Acid Standard Preparation for Enantioselective Metabolomics. Analytical Chemistry, 2019, 91, 7679-7689.	3.2	17
56	Functionalized gold nanoparticles for sample preparation: A review. Electrophoresis, 2019, 40, 2438-2461.	1.3	35
57	In-situ photopolymerized C4-functionalized organosilicon monoliths for reversed-phase protein separation in nano-liquid chromatography. Talanta, 2019, 198, 330-336.	2.9	10
58	Stable-bond polymeric reversed-phase/weak anion-exchange mixed-mode stationary phases obtained by simultaneous functionalization and crosslinking of a poly(3-mercaptopropyl)methylsiloxane-film on vinyl silica via thiol-ene double click reaction. Journal of Chromatography A, 2019, 1593, 110-118.	1.8	20
59	Stereoselective separation of underivatized and 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate derivatized amino acids using zwitterionic quinine and quinidine type stationary phases by liquid chromatographyâ€"High resolution mass spectrometry. Journal of Chromatography A, 2019, 1596, 69-78.	1.8	34
60	Comprehensive MS/MS profiling by UHPLC-ESI-QTOF-MS/MS using SWATH data-independent acquisition for the study of platelet lipidomes in coronary artery disease. Analytica Chimica Acta, 2019, 1046, 1-15.	2.6	35
61	Guidelines for tuning the macropore structure of monolithic columns for highâ€performance liquid chromatography. Journal of Separation Science, 2019, 42, 522-533.	1.3	20
62	Quantitative analysis of chemoresistance-inducing fatty acid in food supplements using UHPLCâ€"ESI-MS/MS. Analytical and Bioanalytical Chemistry, 2019, 411, 479-491.	1.9	5
63	Comparison of simple monophasic versus classical biphasic extraction protocols for comprehensive UHPLC-MS/MS lipidomic analysis of Hela cells. Analytica Chimica Acta, 2019, 1048, 66-74.	2.6	35
64	Protein A- and Protein G-gold nanoparticle bioconjugates as nano-immunoaffinity platform for human IgG depletion in plasma and antibody extraction from cell culture supernatant. Talanta, 2019, 194, 664-672.	2.9	27
65	Simultaneous Separation of Water- and Fat-Soluble Vitamins by Selective Comprehensive HILIC Ã— RPLC (High-Resolution Sampling) and Active Solvent Modulation. Chromatographia, 2019, 82, 167-180.	0.7	19
66	Optimization of the surface modification process of crossâ€linked polythiolâ€coated chiral stationary phases synthesized by a twoâ€step thiolâ€ene click reaction. Journal of Separation Science, 2018, 41, 1338-1345.	1.3	8
67	Response surface methodology for the determination of the design space of enantiomeric separations on cinchona-based zwitterionic chiral stationary phases by high performance liquid chromatography. Journal of Chromatography A, 2018, 1534, 55-63.	1.8	19
68	Correlation between Ionic Liquid Cytotoxicity and Liposomeâ€"Ionic Liquid Interactions. Chemistry - A European Journal, 2018, 24, 2669-2680.	1.7	43
69	Complementary enantioselectivity profiles of chiral cinchonan carbamate selectors with distinct carbamate residues and their implementation in enantioselective two-dimensional high-performance liquid chromatography of amino acids. Journal of Chromatography A, 2018, 1558, 29-36.	1.8	15
70	Quantification of steroid hormones in plasma using a surrogate calibrant approach and UHPLC-ESI-QTOF-MS/MS with SWATH-acquisition combined with untargeted profiling. Analytica Chimica Acta, 2018, 1022, 70-80.	2.6	40
71	Chiral separation of disease biomarkers with 2â€hydroxycarboxylic acid structure. Journal of Separation Science, 2018, 41, 1224-1231.	1.3	16
72	Free fatty acid profiling in marine algae extract by LCâ€MS/MS and isolation as well as quantification of the Ï‰â€3 fatty acid hexadecaâ€4,7,10,13â€tetraenoic acid. Journal of Separation Science, 2018, 41, 4286-4295.	1.3	15

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73	Enantioselective multiple heartcut two-dimensional ultra-high-performance liquid chromatography method with a Coreshell chiral stationary phase in the second dimension for analysis of all proteinogenic amino acids in a single run. Journal of Chromatography A, 2018, 1562, 69-77.	1.8	49
74	Comparison of small size fully porous particles and superficially porous particles of chiral anion-exchange type stationary phases in ultra-high performance liquid chromatography: effect of particle and pore size on chromatographic efficiency and kinetic performance. Journal of Chromatography A, 2018, 1569, 149-159.	1.8	28
75	Zwitterionic codeineâ€derived methacrylate monoliths for enantioselective capillary electrochromatography of chiral acids and chiral bases. Electrophoresis, 2018, 39, 2558-2565.	1.3	14
76	N-Propyl-Nâ€²-2-pyridylurea-modified silica as mixed-mode stationary phase with moderate weak anion exchange capacity and pH-dependent surface charge reversal. Journal of Chromatography A, 2018, 1560, 45-54.	1.8	15
77	Imaging Peptide and Protein Chirality via Amino Acid Analysis by Chiral Ã— Chiral Two-Dimensional Correlation Liquid Chromatography. Analytical Chemistry, 2018, 90, 7963-7971.	3.2	42
78	Chiral separation of short chain aliphatic hydroxycarboxylic acids on cinchonan carbamate-based weak chiral anion exchangers and zwitterionic chiral ion exchangers. Journal of Chromatography A, 2017, 1487, 194-200.	1.8	25
79	Papain-functionalized gold nanoparticles as heterogeneous biocatalyst for bioanalysis and biopharmaceuticals analysis. Analytica Chimica Acta, 2017, 963, 33-43.	2.6	22
80	Taylor dispersion analysis, resonant mass measurement and bioactivity of pepsin-coated gold nanoparticles. Talanta, 2017, 167, 67-74.	2.9	16
81	Regulation of oxidized platelet lipidome: implications for coronary artery disease. European Heart Journal, 2017, 38, 1993-2005.	1.0	92
82	Surface-anchored counterions on weak chiral anion-exchangers accelerate separations and improve their compatibility for mass-spectrometry-hyphenation. Journal of Chromatography A, 2017, 1503, 21-31.	1.8	15
83	In-situ functionalized monolithic polysiloxane-polymethacrylate composite materials from polythiol-ene double click reaction in capillary column format for enantioselective nano-high-performance liquid chromatography. Journal of Chromatography A, 2017, 1497, 172-179.	1.8	27
84	Accurate and reliable quantification of the protein surface coverage on protein-functionalized nanoparticles. Analytica Chimica Acta, 2017, 989, 29-37.	2.6	27
85	Chiral separation of 2-hydroxyglutaric acid on cinchonan carbamate based weak chiral anion exchangers by high-performance liquid chromatography. Journal of Chromatography A, 2016, 1467, 239-245.	1.8	29
86	Surface-crosslinked poly(3-mercaptopropyl)methylsiloxane-coatings on silica as new platform for low-bleed mass spectrometry-compatible functionalized stationary phases synthesized via thiol-ene click reaction. Journal of Chromatography A, 2016, 1436, 73-83.	1.8	28
87	Gold nanoparticle-conjugated pepsin for efficient solution-like heterogeneous biocatalysis in analytical sample preparation protocols. Analytical and Bioanalytical Chemistry, 2016, 408, 5415-5427.	1.9	22
88	Quinineâ€Based Zwitterionic Chiral Stationary Phase as a Complementary Tool for Peptide Analysis: Mobile Phase Effects on Enantioâ€•and Stereoselectivity of Underivatized Oligopeptides. Chirality, 2016, 28, 5-16.	1.3	27
89	Insect Adhesion Secretions: Similarities and Dissimilarities in Hydrocarbon Profiles of Tarsi and Corresponding Tibiae. Journal of Chemical Ecology, 2016, 42, 725-738.	0.9	19
90	Effect of Ionic Liquids on Zebrafish (Danio rerio) Viability, Behavior, and Histology; Correlation between Toxicity and Ionic Liquid Aggregation. Environmental Science & Technology, 2016, 50, 7116-7125.	4.6	74

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91	Preparation of fluorescent labeled gentamicin as biological tracer and its characterization by liquid chromatography and high resolution mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2016, 121, 307-315.	1.4	11
92	Methods for the comprehensive structural elucidation of constitution and stereochemistry of lipopeptides. Journal of Chromatography A, 2016, 1428, 280-291.	1.8	28
93	The Novel Lipopeptide Poaeamide of the Endophyte Pseudomonas poae RE*1-1-14 Is Involved in Pathogen Suppression and Root Colonization. Molecular Plant-Microbe Interactions, 2015, 28, 800-810.	1.4	105
94	Contact solid-phase microextraction with uncoated glass and polydimethylsiloxane-coated fibers versus solvent sampling for the determination of hydrocarbons in adhesion secretions of Madagascar hissing cockroaches Gromphadorrhina portentosa (Blattodea) by gas chromatography-mass spectrometry. Journal of Chromatography A, 2015, 1388, 24-35.	1.8	14
95	Impact of Amphiphilic Biomass-Dissolving Ionic Liquids on Biological Cells and Liposomes. Environmental Science & Technology, 2015, 49, 1870-1878.	4.6	78
96	Gold nanoparticleâ€“antibody conjugates for specific extraction and subsequent analysis by liquid chromatographyâ€“tandem mass spectrometry of malondialdehyde-modified low density lipoprotein as biomarker for cardiovascular risk. Analytica Chimica Acta, 2015, 857, 53-63.	2.6	34
97	Quantification of riboflavin, flavin mononucleotide, and flavin adenine dinucleotide in mammalian model cells by CE with LEDâ€induced fluorescence detection. Electrophoresis, 2015, 36, 518-525.	1.3	47
98	Targeting the Gatekeeper MET146 of C-Jun N-Terminal Kinase 3 Induces a Bivalent Halogen/Chalcogen Bond. Journal of the American Chemical Society, 2015, 137, 14640-14652.	6.6	73
99	Surface charge fine tuning of reversed-phase/weak anion-exchange type mixed-mode stationary phases for milder elution conditions. Journal of Chromatography A, 2015, 1409, 189-200.	1.8	21
100	Analysis of chemical profiles of insect adhesion secretions by gas chromatographyâ€“mass spectrometry. Analytica Chimica Acta, 2015, 854, 47-60.	2.6	21
101	Polymethacrylate monoliths with immobilized poly-3-mercaptopropyl methylsiloxane film for high-coverage surface functionalization by thiol-ene click reaction. Journal of Chromatography A, 2014, 1367, 123-130.	1.8	30
102	Streptavidin binding as a model to characterize thiolâ€“ene chemistry-based polyamine surfaces for reversible photonic protein biosensing. Chemical Communications, 2014, 50, 2424.	2.2	15
103	Direct enantioseparation of underivatized aliphatic 3-hydroxyalkanoic acids with a quinine-based zwitterionic chiral stationary phase. Journal of Chromatography A, 2014, 1363, 101-108.	1.8	51
104	Chemical Recognition of Oxidation-Specific Epitopes in Low-Density Lipoproteins by a Nanoparticle Based Concept for Trapping, Enrichment, and Liquid Chromatographyâ€“Tandem Mass Spectrometry Analysis of Oxidative Stress Biomarkers. Analytical Chemistry, 2014, 86, 9954-9961.	3.2	17
105	Liquid chromatographic enantiomer separation with special focus on zwitterionic chiral ion-exchangers. Analytical and Bioanalytical Chemistry, 2014, 406, 6095-6103.	1.9	30
106	Ligandâ€“receptor binding increments in enantioselective liquid chromatography. Journal of Chromatography A, 2014, 1363, 79-88.	1.8	4
107	Synthetic oligonucleotide separations by mixed-mode reversed-phase/weak anion-exchange liquid chromatography. Journal of Chromatography A, 2014, 1354, 43-55.	1.8	56
108	Chemoaffinity Material for Plasmid DNA Analysis by High-Performance Liquid Chromatography with Condition-Dependent Switching between Isoform and Topoisomer Selectivity. Analytical Chemistry, 2013, 85, 2913-2920.	3.2	19

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109	Mixed-mode chromatography with zwitterionic phosphopeptidomimetic selectors from Ugi multicomponent reaction. Journal of Chromatography A, 2013, 1317, 12-21.	1.8	32
110	Phosphopeptidomimetic substance libraries from multicomponent reaction: Enantioseparation on quinidine carbamate stationary phase. Journal of Chromatography A, 2013, 1310, 56-65.	1.8	4
111	Gold Nanoparticle-Conjugated Anti-Oxidized Low-Density Lipoprotein Antibodies for Targeted Lipidomics of Oxidative Stress Biomarkers. Analytical Chemistry, 2013, 85, 8376-8384.	3.2	41
112	Direct high-performance liquid chromatographic enantioseparation of free Î±-, Î²- and Î³-aminophosphonic acids employing cinchona-based chiral zwitterionic ion exchangers. Analytical and Bioanalytical Chemistry, 2013, 405, 8027-8038.	1.9	22
113	Quantifying Thiol Ligand Density of Self-Assembled Monolayers on Gold Nanoparticles by Inductively Coupled Plasmaâ€“Mass Spectrometry. ACS Nano, 2013, 7, 1129-1136.	7.3	293
114	Comparative method evaluation for size and sizeâ€distribution analysis of gold nanoparticles. Journal of Separation Science, 2013, 36, 2952-2961.	1.3	87
115	Chiral separations and enantioselectivity. Journal of Chromatography A, 2012, 1269, 1-2.	1.8	6
116	Molecular Recognition Principles and Stationary-Phase Characteristics of Topoisomer-Selective Chemoaffinity Materials for Chromatographic Separation of Circular Plasmid DNA Topoisomers. Journal of the American Chemical Society, 2012, 134, 859-862.	6.6	11
117	Bioconjugation of trypsin onto gold nanoparticles: Effect of surface chemistry on bioactivity. Analytica Chimica Acta, 2012, 733, 90-97.	2.6	64
118	Quantitative high-performance liquid chromatographyâ€“tandem mass spectrometry impurity profiling methods for the analysis of parenteral infusion solutions for amino acid supplementation containing l-alanyl-l-glutamine. Journal of Chromatography A, 2012, 1259, 111-120.	1.8	9
119	Comprehensive impurity profiling of nutritional infusion solutions by multidimensional off-line reversed-phase liquid chromatography Ã— hydrophilic interaction chromatographyâ€“ion trap mass-spectrometry and charged aerosol detection with universal calibration. Journal of Chromatography A, 2012, 1259, 100-110.	1.8	35
120	Enantioseparation of chiral sulfonates by liquid chromatography and subcritical fluid chromatography. Journal of Separation Science, 2012, 35, 2521-2528.	1.3	11
121	Multi-modal applicability of a reversed-phase/weak-anion exchange material in reversed-phase, anion-exchange, ion-exclusion, hydrophilic interaction and hydrophobic interaction chromatography modes. Analytical and Bioanalytical Chemistry, 2011, 400, 2517-2530.	1.9	64
122	Simultaneous separation and analysis of waterâ€•and fatâ€•soluble vitamins on multiâ€•modal reversedâ€•phase weak anion exchange material by HPLCâ€•UV. Journal of Separation Science, 2011, 34, 761-772.	1.3	36
123	Quantitative LC-ESI-MS/MS metabolic profiling method for fatty acids and lipophilic metabolites in fermentation broths from Î²-lactam antibiotics production. Analytical and Bioanalytical Chemistry, 2010, 397, 147-160.	1.9	27
124	Selectivity issues in targeted metabolomics: Separation of phosphorylated carbohydrate isomers by mixedâ€•mode hydrophilic interaction/weak anion exchange chromatography. Journal of Separation Science, 2010, 33, 3273-3282.	1.3	76
125	Monoliths with chiral surface functionalization for enantioselective capillary electrochromatography. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 1091-1123.	1.4	62
126	Chiral recognition by enantioselective liquid chromatography: Mechanisms and modern chiral stationary phases. Journal of Chromatography A, 2010, 1217, 814-856.	1.8	600

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127	Enantiomer separation and indirect chromatographic absolute configuration prediction of chiral pirinixic acid derivatives: Limitations of polysaccharide-type chiral stationary phases in comparison to chiral anion-exchangers. Journal of Chromatography A, 2010, 1217, 1033-1040.	1.8	19
128	Chirally functionalized anionâ€exchange type silica monolith for enantiomer separation of 2â€aryloxypropionic acid herbicides by nonâ€aqueous capillary electrochromatography. Electrophoresis, 2009, 30, 3804-3813.	1.3	22
129	Novel Pirinixic Acids as PPARÎ± Preferential Dual PPARÎ±/Î³ Agonists. QSAR and Combinatorial Science, 2009, 28, 576-586.	1.5	12
130	Stationary phase-related investigations of quinine-based zwitterionic chiral stationary phases operated in anion-, cation-, and zwitterion-exchange modes. Journal of Chromatography A, 2009, 1216, 1147-1156.	1.8	66
131	Investigations of mobile phase contributions to enantioselective anion- and zwitterion-exchange modes on quinine-based zwitterionic chiral stationary phases. Journal of Chromatography A, 2009, 1216, 1157-1166.	1.8	67
132	Contributions to chromatographic chiral recognition of permethrinic acid stereoisomers by a quinine carbamate chiral selector: evidence from X-ray diffraction, DFT computations, 1H NMR, and thermodynamic studies. Tetrahedron: Asymmetry, 2008, 19, 97-110.	1.8	29
133	Mixed-mode stationary phases as a complementary selectivity concept in liquid chromatographyâ€“tandem mass spectrometry-based bioanalytical assays. Analytical and Bioanalytical Chemistry, 2008, 390, 263-266.	1.9	47
134	Inâ€line coupling of a reversedâ€phase column to cope with limited chemoselectivity of a quinine carbamateâ€based anionâ€exchange type chiral stationary phase. Journal of Separation Science, 2008, 31, 1702-1711.	1.3	21
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