

# Michael Lämmmerhofer

## List of Publications by Year in descending order

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173  
papers

6,826  
citations

76196

40  
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82410

72  
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176  
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176  
docs citations

176  
times ranked

5811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral recognition by enantioselective liquid chromatography: Mechanisms and modern chiral stationary phases. <i>Journal of Chromatography A</i> , 2010, 1217, 814-856.	1.8	600
2	Quinine and quinidine derivatives as chiral selectors I. Brush type chiral stationary phases for high-performance liquid chromatography based on cinchonan carbamates and their application as chiral anion exchangers. <i>Journal of Chromatography A</i> , 1996, 741, 33-48.	1.8	312
3	Quantifying Thiol Ligand Density of Self-Assembled Monolayers on Gold Nanoparticles by Inductively Coupled Plasma-Mass Spectrometry. <i>ACS Nano</i> , 2013, 7, 1129-1136.	7.3	293
4	Synergistic Effects on Enantioselectivity of Zwitterionic Chiral Stationary Phases for Separations of Chiral Acids, Bases, and Amino Acids by HPLC. <i>Analytical Chemistry</i> , 2008, 80, 8780-8789.	3.2	180
5	Chiral Monolithic Columns for Enantioselective Capillary Electrochromatography Prepared by Copolymerization of a Monomer with Quinidine Functionality. 1. Optimization of Polymerization Conditions, Porous Properties, and Chemistry of the Stationary Phase. <i>Analytical Chemistry</i> , 2000, 72, 4614-4622.	3.2	167
6	Quinine- versus carbamoylated quinine-based chiral anion exchangers. <i>Journal of Chromatography A</i> , 1999, 858, 1-11.	1.8	159
7	Enantioselective anion exchangers based on cinchona alkaloid-derived carbamates: Influence of C8/C9 stereochemistry on chiral recognition. , 1999, 11, 522-528.		155
8	Mixed-mode ion-exchangers and their comparative chromatographic characterization in reversed-phase and hydrophilic interaction chromatography elution modes. <i>Journal of Separation Science</i> , 2008, 31, 2572-2588.	1.3	148
9	Chiral Monolithic Columns for Enantioselective Capillary Electrochromatography Prepared by Copolymerization of a Monomer with Quinidine Functionality. 2. Effect of Chromatographic Conditions on the Chiral Separations. <i>Analytical Chemistry</i> , 2000, 72, 4623-4628.	3.2	126
10	Capillary electrochromatography in anion-exchange and normal-phase mode using monolithic stationary phases. <i>Journal of Chromatography A</i> , 2001, 925, 265-277.	1.8	110
11	Alternative high-performance liquid chromatographic peptide separation and purification concept using a new mixed-mode reversed-phase/weak anion-exchange type stationary phase. <i>Journal of Chromatography A</i> , 2005, 1089, 158-169.	1.8	108
12	The Novel Lipopeptide Poaeamide of the Endophyte <i>Pseudomonas poae</i> RE*1-1-14 Is Involved in Pathogen Suppression and Root Colonization. <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 800-810.	1.4	105
13	Development of reactive thiol-modified monolithic capillaries and in-column surface functionalization by radical addition of a chromatographic ligand for capillary electrochromatography. <i>Journal of Chromatography A</i> , 2004, 1044, 187-199.	1.8	100
14	Regulation of oxidized platelet lipidome: implications for coronary artery disease. <i>European Heart Journal</i> , 2017, 38, 1993-2005.	1.0	92
15	Validated Method for the Determination of the Ethanol Consumption Markers Ethyl Glucuronide, Ethyl Phosphate, and Ethyl Sulfate in Human Urine by Reversed-Phase/Weak Anion Exchange Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 5884-5892.	3.2	90
16	Comparative method evaluation for size and size-distribution analysis of gold nanoparticles. <i>Journal of Separation Science</i> , 2013, 36, 2952-2961.	1.3	87
17	Retention pattern profiling of fungal metabolites on mixed-mode reversed-phase/weak anion exchange stationary phases in comparison to reversed-phase and weak anion exchange separation materials by liquid chromatography-electrospray ionisation-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1191, 171-181.	1.8	85
18	Chiral separations by capillary electromigration techniques in nonaqueous media. <i>Journal of Chromatography A</i> , 2005, 1068, 3-30.	1.8	79

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19	Impact of Amphiphilic Biomass-Dissolving Ionic Liquids on Biological Cells and Liposomes. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1870-1878.	4.6	78
20	Selectivity issues in targeted metabolomics: Separation of phosphorylated carbohydrate isomers by mixed-mode hydrophilic interaction/weak anion exchange chromatography. <i>Journal of Separation Science</i> , 2010, 33, 3273-3282.	1.3	76
21	Effect of Ionic Liquids on Zebrafish ( <i>Danio rerio</i> ) Viability, Behavior, and Histology; Correlation between Toxicity and Ionic Liquid Aggregation. <i>Environmental Science &amp; Technology</i> , 2016, 50, 7116-7125.	4.6	74
22	Targeting the Gatekeeper MET146 of C-Jun N-Terminal Kinase 3 Induces a Bivalent Halogen/Chalcogen Bond. <i>Journal of the American Chemical Society</i> , 2015, 137, 14640-14652.	6.6	73
23	Investigations of mobile phase contributions to enantioselective anion- and zwitterion-exchange modes on quinine-based zwitterionic chiral stationary phases. <i>Journal of Chromatography A</i> , 2009, 1216, 1157-1166.	1.8	67
24	Direct High-Performance Liquid Chromatographic Separation of Peptide Enantiomers: A Study on Chiral Recognition by Systematic Evaluation of the Influence of Structural Features of the Chiral Selectors on Enantioselectivity. <i>Analytical Chemistry</i> , 2002, 74, 5658-5666.	3.2	66
25	Stationary phase-related investigations of quinine-based zwitterionic chiral stationary phases operated in anion-, cation-, and zwitterion-exchange modes. <i>Journal of Chromatography A</i> , 2009, 1216, 1147-1156.	1.8	66
26	Characterization of a Chiral Stationary Phase by HR/MAS NMR Spectroscopy and Investigation of Enantioselective Interaction with Chiral Ligates by Transferred NOE. <i>Journal of the American Chemical Society</i> , 2004, 126, 3809-3816.	6.6	65
27	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. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2517-2530.	1.9	64
28	Bioconjugation of trypsin onto gold nanoparticles: Effect of surface chemistry on bioactivity. <i>Analytica Chimica Acta</i> , 2012, 733, 90-97.	2.6	64
29	Monoliths with chiral surface functionalization for enantioselective capillary electrochromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 1091-1123.	1.4	62
30	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
31	Determination of chlorpyrifos metabolites in human urine by reversed-phase/weak anion exchange liquid chromatography-electrospray ionisation-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 822, 160-169.	1.2	57
32	Synthetic oligonucleotide separations by mixed-mode reversed-phase/weak anion-exchange liquid chromatography. <i>Journal of Chromatography A</i> , 2014, 1354, 43-55.	1.8	56
33	High-performance liquid chromatographic enantioseparation of N-protected $\alpha$ -amino acids using nonporous silica modified by a quinine carbamate as chiral stationary phase. <i>Chirality</i> , 1997, 9, 157-161.	1.3	53
34	Macroporous monolithic chiral stationary phases for capillary electrochromatography: New chiral monomer derived from cinchona alkaloid with enhanced enantioselectivity. <i>Electrophoresis</i> , 2003, 24, 2986-2999.	1.3	53
35	Silica-based monolithic columns with mixed-mode reversed-phase/weak anion-exchange selectivity principle for high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2006, 29, 966-978.	1.3	51
36	Direct enantioseparation of underivatized aliphatic 3-hydroxyalkanoic acids with a quinine-based zwitterionic chiral stationary phase. <i>Journal of Chromatography A</i> , 2014, 1363, 101-108.	1.8	51

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37	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. <i>Journal of Chromatography A</i> , 2018, 1562, 69-77.	1.8	49
38	Mixed-mode stationary phases as a complementary selectivity concept in liquid chromatography—tandem mass spectrometry-based bioanalytical assays. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 263-266.	1.9	47
39	Quantification of riboflavin, flavin mononucleotide, and flavin adenine dinucleotide in mammalian model cells by CE with LED-induced fluorescence detection. <i>Electrophoresis</i> , 2015, 36, 518-525.	1.3	47
40	Chiral separations by capillary electromigration techniques in nonaqueous media. <i>Journal of Chromatography A</i> , 2005, 1068, 31-57.	1.8	46
41	Monolithic stationary phases for enantioselective capillary electrochromatography. <i>Journal of Separation Science</i> , 2000, 12, 597-602.	1.0	44
42	Correlation between Ionic Liquid Cytotoxicity and Liposome—Ionic Liquid Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 2669-2680.	1.7	43
43	Imaging Peptide and Protein Chirality via Amino Acid Analysis by Chiral Å— Chiral Two-Dimensional Correlation Liquid Chromatography. <i>Analytical Chemistry</i> , 2018, 90, 7963-7971.	3.2	42
44	Gold Nanoparticle-Conjugated Anti-Oxidized Low-Density Lipoprotein Antibodies for Targeted Lipidomics of Oxidative Stress Biomarkers. <i>Analytical Chemistry</i> , 2013, 85, 8376-8384.	3.2	41
45	Development of stereoselective nonaqueous capillary electrophoresis system for the resolution of cationic and amphoteric analytes. <i>Electrophoresis</i> , 2001, 22, 3297-3307.	1.3	40
46	Quantification of steroid hormones in plasma using a surrogate calibrant approach and UHPLC-ESI-QTOF-MS/MS with SWATH-acquisition combined with untargeted profiling. <i>Analytica Chimica Acta</i> , 2018, 1022, 70-80.	2.6	40
47	Quinine carbamate chiral stationary phases: Systematic optimization of steric selector-selectand binding increments and enantioselectivity by quantitative structure-enantioselectivity relationship studies. <i>Journal of Separation Science</i> , 2006, 29, 1486-1496.	1.3	38
48	Discovery of the Cyclic Lipopeptide Gacamide A by Genome Mining and Repair of the Defective GacA Regulator in <i>Pseudomonas fluorescens</i> Pf0-1. <i>Journal of Natural Products</i> , 2019, 82, 301-308.	1.5	38
49	Simultaneous separation and analysis of water- and fat-soluble vitamins on multi-modal reversed-phase weak anion exchange material by HPLC-UV. <i>Journal of Separation Science</i> , 2011, 34, 761-772.	1.3	36
50	On-column deracemization of an atropisomeric biphenyl by quinine-based stationary phase and determination of rotational energy barrier by enantioselective stopped-flow HPLC and CEC. <i>Chirality</i> , 2001, 13, 641-647.	1.3	35
51	Enantiomer separation of a powerful chiral auxiliary, 2-methoxy-2-(1-naphthyl)propionic acid by liquid chromatography using chiral anion exchanger-type stationary phases in polar-organic mode; investigation of molecular recognition aspects. <i>Chirality</i> , 2005, 17, S134-S142.	1.3	35
52	Comprehensive impurity profiling of nutritional infusion solutions by multidimensional off-line reversed-phase liquid chromatography Å— hydrophilic interaction chromatography—ion trap mass-spectrometry and charged aerosol detection with universal calibration. <i>Journal of Chromatography A</i> , 2012, 1259, 100-110.	1.8	35
53	Functionalized gold nanoparticles for sample preparation: A review. <i>Electrophoresis</i> , 2019, 40, 2438-2461.	1.3	35
54	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. <i>Analytica Chimica Acta</i> , 2019, 1046, 1-15.	2.6	35

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55	Comparison of simple monophasic versus classical biphasic extraction protocols for comprehensive UHPLC-MS/MS lipidomic analysis of HeLa cells. <i>Analytica Chimica Acta</i> , 2019, 1048, 66-74.	2.6	35
56	Estimation and comparison of $\zeta$ -potentials of silica-based anion-exchange type porous particles for capillary electrochromatography from electrophoretic and electroosmotic mobility. <i>Electrophoresis</i> , 2003, 24, 390-398.	1.3	34
57	Structure-enantioselectivity relationships for the study of chiral recognition in peptide enantiomer separation on cinchona alkaloid-based chiral stationary phases by HPLC: Influence of the N-terminal protecting group. <i>Journal of Separation Science</i> , 2003, 26, 1499-1508.	1.3	34
58	HPLC enantiomer separation of a chiral 1,4-dihydropyridine monocarboxylic acid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 259-266.	1.4	34
59	Gold nanoparticle-antibody conjugates for specific extraction and subsequent analysis by liquid chromatography-tandem mass spectrometry of malondialdehyde-modified low density lipoprotein as biomarker for cardiovascular risk. <i>Analytica Chimica Acta</i> , 2015, 857, 53-63.	2.6	34
60	Stereoselective separation of underivatized and 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate derivatized amino acids using zwitterionic quinine and quinidine type stationary phases by liquid chromatography-High resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1596, 69-78.	1.8	34
61	Mixed-mode chromatography with zwitterionic phosphopeptidomimetic selectors from Ugi multicomponent reaction. <i>Journal of Chromatography A</i> , 2013, 1317, 12-21.	1.8	32
62	Evaluation of superficially porous particle based zwitterionic chiral ion exchangers against fully porous particle benchmarks for enantioselective ultra-high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2019, 1603, 130-140.	1.8	32
63	Direct high-performance liquid chromatographic method for enantioselective and diastereoselective determination of selected pyrethroid acids. <i>Journal of Chromatography A</i> , 2004, 1035, 37-46.	1.8	31
64	Enantioselective UHPLC Screening Combined with <i>In Silico</i> Modeling for Streamlined Development of Ultrafast Enantiopurity Assays. <i>Analytical Chemistry</i> , 2022, 94, 1804-1812.	3.2	31
65	High-performance liquid chromatographic enantiomer separation and determination of absolute configurations of phosphinic acid analogues of dipeptides and their $\beta$ -aminophosphinic acid precursors. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2557-2565.	1.8	30
66	Enantioselective HPLC of potentially CNS-active acidic amino acids with a cinchona carbamate based chiral stationary phase. <i>Chirality</i> , 2008, 20, 571-576.	1.3	30
67	Polymethacrylate monoliths with immobilized poly-3-mercaptopropyl methylsiloxane film for high-coverage surface functionalization by thiol-ene click reaction. <i>Journal of Chromatography A</i> , 2014, 1367, 123-130.	1.8	30
68	Liquid chromatographic enantiomer separation with special focus on zwitterionic chiral ion-exchangers. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6095-6103.	1.9	30
69	Multiple heart-cutting mixed-mode chromatography-reversed-phase 2D-liquid chromatography method for separation and mass spectrometric characterization of synthetic oligonucleotides. <i>Journal of Chromatography A</i> , 2020, 1625, 461338.	1.8	30
70	Contributions to chromatographic chiral recognition of permethrinic acid stereoisomers by a quinine carbamate chiral selector: evidence from X-ray diffraction, DFT computations, $^1\text{H}$ NMR, and thermodynamic studies. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 97-110.	1.8	29
71	Chiral separation of 2-hydroxyglutaric acid on cinchonane carbamate based weak chiral anion exchangers by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2016, 1467, 239-245.	1.8	29
72	Guidelines for Selection of Internal Standard-Based Normalization Strategies in Untargeted Lipidomic Profiling by LC-HR-MS/MS. <i>Analytical Chemistry</i> , 2019, 91, 9836-9843.	3.2	29

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73	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. <i>Journal of Chromatography A</i> , 2016, 1436, 73-83.	1.8	28
74	Methods for the comprehensive structural elucidation of constitution and stereochemistry of lipopeptides. <i>Journal of Chromatography A</i> , 2016, 1428, 280-291.	1.8	28
75	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. <i>Journal of Chromatography A</i> , 2018, 1569, 149-159.	1.8	28
76	Quantitative LC-ESI-MS/MS metabolic profiling method for fatty acids and lipophilic metabolites in fermentation broths from Î <sup>2</sup> -lactam antibiotics production. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 147-160.	1.9	27
77	Quinine-Based Zwitterionic Chiral Stationary Phase as a Complementary Tool for Peptide Analysis: Mobile Phase Effects on Enantio- and Stereoselectivity of Underivatized Oligopeptides. <i>Chirality</i> , 2016, 28, 5-16.	1.3	27
78	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. <i>Journal of Chromatography A</i> , 2017, 1497, 172-179.	1.8	27
79	Accurate and reliable quantification of the protein surface coverage on protein-functionalized nanoparticles. <i>Analytica Chimica Acta</i> , 2017, 989, 29-37.	2.6	27
80	Comprehensive lipidomics of mouse plasma using class-specific surrogate calibrants and SWATH acquisition for large-scale lipid quantification in untargeted analysis. <i>Analytica Chimica Acta</i> , 2019, 1086, 90-102.	2.6	27
81	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. <i>Talanta</i> , 2019, 194, 664-672.	2.9	27
82	Isomer Selective Comprehensive Lipidomics Analysis of Phosphoinositides in Biological Samples by Liquid Chromatography with Data Independent Acquisition Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 9583-9592.	3.2	27
83	Enantioselective ultra-high performance liquid chromatography-tandem mass spectrometry method based on sub-2Åµm particle polysaccharide column for chiral separation of oxylipins and its application for the analysis of autoxidized fatty acids and platelet releasates. <i>Journal of Chromatography A</i> , 2020, 1624, 461206.	1.8	26
84	Chiral separation of short chain aliphatic hydroxycarboxylic acids on cinchonan carbamate-based weak chiral anion exchangers and zwitterionic chiral ion exchangers. <i>Journal of Chromatography A</i> , 2017, 1487, 194-200.	1.8	25
85	Chirally functionalized anion-exchange type silica monolith for enantiomer separation of 2-aryloxypropionic acid herbicides by non-aqueous capillary electrochromatography. <i>Electrophoresis</i> , 2009, 30, 3804-3813.	1.3	22
86	Direct high-performance liquid chromatographic enantioseparation of free Î <sup>±</sup> , Î <sup>2</sup> - and Î <sup>3</sup> -aminophosphonic acids employing cinchona-based chiral zwitterionic ion exchangers. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8027-8038.	1.9	22
87	Gold nanoparticle-conjugated pepsin for efficient solution-like heterogeneous biocatalysis in analytical sample preparation protocols. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5415-5427.	1.9	22
88	Papain-functionalized gold nanoparticles as heterogeneous biocatalyst for bioanalysis and biopharmaceuticals analysis. <i>Analytica Chimica Acta</i> , 2017, 963, 33-43.	2.6	22
89	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. <i>Analytica Chimica Acta</i> , 2021, 1180, 338858.	2.6	22
90	In-line coupling of a reversed-phase column to cope with limited chemoselectivity of a quinine carbamate-based anion-exchange type chiral stationary phase. <i>Journal of Separation Science</i> , 2008, 31, 1702-1711.	1.3	21

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91	Surface charge fine tuning of reversed-phase/weak anion-exchange type mixed-mode stationary phases for milder elution conditions. <i>Journal of Chromatography A</i> , 2015, 1409, 189-200.	1.8	21
92	Analysis of chemical profiles of insect adhesion secretions by gas chromatography–mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 854, 47-60.	2.6	21
93	A selective comprehensive reversed-phase–reversed-phase 2D-liquid chromatography approach with multiple complementary detectors as advanced generic method for the quality control of synthetic and therapeutic peptides. <i>Journal of Chromatography A</i> , 2020, 1627, 461430.	1.8	21
94	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. <i>Journal of Chromatography A</i> , 2019, 1593, 110-118.	1.8	20
95	Guidelines for tuning the macropore structure of monolithic columns for high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2019, 42, 522-533.	1.3	20
96	Charge variant analysis of protein-based biopharmaceuticals using two-dimensional liquid chromatography hyphenated to mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1636, 461786.	1.8	20
97	Comparative molecular field analysis of quinine derivatives used as chiral selectors in liquid chromatography: 3D QSAR for the purposes of molecular design of chiral stationary phases. <i>Chirality</i> , 2000, 12, 742-750.	1.3	19
98	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. <i>Journal of Chromatography A</i> , 2010, 1217, 1033-1040.	1.8	19
99	Chemoaffinity Material for Plasmid DNA Analysis by High-Performance Liquid Chromatography with Condition-Dependent Switching between Isoform and Topoisomer Selectivity. <i>Analytical Chemistry</i> , 2013, 85, 2913-2920.	3.2	19
100	Insect Adhesion Secretions: Similarities and Dissimilarities in Hydrocarbon Profiles of Tarsi and Corresponding Tibiae. <i>Journal of Chemical Ecology</i> , 2016, 42, 725-738.	0.9	19
101	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. <i>Journal of Chromatography A</i> , 2018, 1534, 55-63.	1.8	19
102	Simultaneous Separation of Water- and Fat-Soluble Vitamins by Selective Comprehensive HILIC – RPLC (High-Resolution Sampling) and Active Solvent Modulation. <i>Chromatographia</i> , 2019, 82, 167-180.	0.7	19
103	Impurity profiling of siRNA by two-dimensional liquid chromatography-mass spectrometry with quinine carbamate anion-exchanger and ion-pair reversed-phase chromatography. <i>Journal of Chromatography A</i> , 2021, 1643, 462065.	1.8	18
104	Enantioselective metabolomics by liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 207, 114430.	1.4	18
105	Chemical Recognition of Oxidation-Specific Epitopes in Low-Density Lipoproteins by a Nanoparticle Based Concept for Trapping, Enrichment, and Liquid Chromatography–Tandem Mass Spectrometry Analysis of Oxidative Stress Biomarkers. <i>Analytical Chemistry</i> , 2014, 86, 9954-9961.	3.2	17
106	Derivatize, Racemize, and Analyze—an Easy and Simple Procedure for Chiral Amino Acid Standard Preparation for Enantioselective Metabolomics. <i>Analytical Chemistry</i> , 2019, 91, 7679-7689.	3.2	17
107	Acute coronary syndrome is associated with a substantial change in the platelet lipidome. <i>Cardiovascular Research</i> , 2022, 118, 1904-1916.	1.8	17
108	Platelet ACKR3/CXCR7 favors antiplatelet lipids over an atherothrombotic lipidome and regulates thromboinflammation. <i>Blood</i> , 2022, 139, 1722-1742.	0.6	17

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109	Chirally-functionalized monolithic materials for stereoselective capillary electrochromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 873-877.	1.9	16
110	Taylor dispersion analysis, resonant mass measurement and bioactivity of pepsin-coated gold nanoparticles. <i>Talanta</i> , 2017, 167, 67-74.	2.9	16
111	Chiral separation of disease biomarkers with 2-hydroxycarboxylic acid structure. <i>Journal of Separation Science</i> , 2018, 41, 1224-1231.	1.3	16
112	Fragment-based Design of Zwitterionic, Strong Cation- and Weak Anion-Exchange Type Mixed-mode Liquid Chromatography Ligands and their Chromatographic Exploration. <i>Journal of Chromatography A</i> , 2020, 1621, 461075.	1.8	16
113	Streptavidin binding as a model to characterize thiol-ene chemistry-based polyamine surfaces for reversible photonic protein biosensing. <i>Chemical Communications</i> , 2014, 50, 2424.	2.2	15
114	Surface-anchored counterions on weak chiral anion-exchangers accelerate separations and improve their compatibility for mass-spectrometry-hyphenation. <i>Journal of Chromatography A</i> , 2017, 1503, 21-31.	1.8	15
115	Complementary enantioselectivity profiles of chiral cinchonane carbamate selectors with distinct carbamate residues and their implementation in enantioselective two-dimensional high-performance liquid chromatography of amino acids. <i>Journal of Chromatography A</i> , 2018, 1558, 29-36.	1.8	15
116	Free fatty acid profiling in marine algae extract by LC-MS/MS and isolation as well as quantification of the 18:3 fatty acid hexadeca-4,7,10,13-tetraenoic acid. <i>Journal of Separation Science</i> , 2018, 41, 4286-4295.	1.3	15
117	N-Propyl-N-(2-pyridyl)urea-modified silica as mixed-mode stationary phase with moderate weak anion exchange capacity and pH-dependent surface charge reversal. <i>Journal of Chromatography A</i> , 2018, 1560, 45-54.	1.8	15
118	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. <i>Analytica Chimica Acta</i> , 2020, 1094, 57-69.	2.6	15
119	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 <i>Gromphadorrhina portentosa</i> (Blattodea) by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1388, 24-35.	1.8	14
120	Zwitterionic codeine-derived methacrylate monoliths for enantioselective capillary electrochromatography of chiral acids and chiral bases. <i>Electrophoresis</i> , 2018, 39, 2558-2565.	1.3	14
121	Mixed-mode chromatography characteristics of chiralpak ZWIX(+) and ZWIX(âˆ“) and elucidation of their chromatographic orthogonality for LC-ILC application. <i>Analytica Chimica Acta</i> , 2020, 1093, 168-179.	2.6	14
122	Cinchona-based zwitterionic stationary phases: Exploring retention and enantioseparation mechanisms in supercritical fluid chromatography with a fragmentation approach. <i>Journal of Chromatography A</i> , 2020, 1612, 460689.	1.8	14
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