

# Michael Lmmerhofer

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

163  
papers

5,596  
citations

39  
h-index

68  
g-index

176  
ext. papers

6,191  
ext. citations

5.1  
avg, IF

6.22  
L-index

#	Paper	IF	Citations
163	Isomer-selective analysis of inositol phosphates with differential isotope labelling by phosphate methylation using liquid chromatography with tandem mass spectrometry.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1191, 339286	6.6	0
162	Enantioselective metabolomics by liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2022</b> , 207, 114430	3.5	1
161	Molecular Basis of Rhodomycetone Resistance in <i>Staphylococcus aureus</i> .. <i>MBio</i> , <b>2022</b> , e0383321	7.8	0
160	ACKR3 regulates platelet activation and ischemia-reperfusion tissue injury.. <i>Nature Communications</i> , <b>2022</b> , 13, 1823	17.4	0
159	Comprehensive profiling of conjugated fatty acid isomers and their lipid oxidation products by two-dimensional chiral RPBP liquid chromatography hyphenated to UV- and SWATH-MS-detection.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1202, 339667	6.6	1
158	Study of microheterogeneity of silatrane-based silica surface bonding chemistry and its optimization for the synthesis of chiral stationary phases for enantioselective liquid chromatography. <i>Journal of Chromatography A</i> , <b>2022</b> , 463138	4.5	
157	No Evidence for a Role of Oral Contraceptive-Use in Emotion Recognition But Higher Negativity Bias in Early Follicular Women.. <i>Frontiers in Behavioral Neuroscience</i> , <b>2021</b> , 15, 773961	3.5	0
156	DoE Optimization Empowers the Automated Preparation of Enantiomerically Pure [F]Talazoparib and its Evaluation as a PARP Radiotracer. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 15690-15701	8.3	1
155	Discovery of Thanafactin A, a Linear, Proline-Containing Octalipeptide from sp. SH-C52, Motivated by Genome Mining. <i>Journal of Natural Products</i> , <b>2021</b> , 84, 101-109	4.9	4
154	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. <i>Journal of Chromatography A</i> , <b>2021</b> , 1643, 462069	4.5	5
153	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> , <b>2021</b> , 1643, 462065	4.5	3
152	Direct enantioselective gradient reversed-phase ultra-high performance liquid chromatography tandem mass spectrometry method for 3-hydroxy alkanolic acids in lipopeptides on an immobilized 1.6 $\mu$ m amylose-based chiral stationary phase. <i>Journal of Separation Science</i> , <b>2021</b> , 44, 1875-1883	3.4	3
151	Isomer Selective Comprehensive Lipidomics Analysis of Phosphoinositides in Biological Samples by Liquid Chromatography with Data Independent Acquisition Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 9583-9592	7.8	7
150	Addressing a Trapped High-Energy Water: Design and Synthesis of Highly Potent Pyrimidoindole-Based Glycogen Synthase Kinase-3 $\beta$ Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , ,	8.3	3
149	Charge variant analysis of protein-based biopharmaceuticals using two-dimensional liquid chromatography hyphenated to mass spectrometry. <i>Journal of Chromatography A</i> , <b>2021</b> , 1636, 461786	4.5	8
148	Acute coronary syndrome is associated with a substantial change in the platelet lipidome. <i>Cardiovascular Research</i> , <b>2021</b> ,	9.9	2
147	Targeted Profiling of Short-, Medium-, and Long-Chain Fatty Acyl-Coenzyme As in Biological Samples by Phosphate Methylation Coupled to Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 4342-4350	7.8	3

146	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. <i>Journal of Chromatography A</i> , <b>2021</b> , 1653, 462418	4.5	4
145	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. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2021</b> , 1182, 122939	3.2	1
144	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 205, 114301	3.5	4
143	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> , <b>2021</b> , 1180, 338858	6.6	4
142	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. <i>Journal of Chromatography Open</i> , <b>2021</b> , 1, 100004		4
141	Enantioselective UHPLC Screening Combined with Modeling for Streamlined Development of Ultrafast Enantiopurity Assays.. <i>Analytical Chemistry</i> , <b>2021</b> ,	7.8	5
140	Discovery and Evaluation of Enantiopure 9-pyrimido[4,5-]indoles as Nanomolar GSK-3 $\beta$ Inhibitors with Improved Metabolic Stability. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	2
139	Enantioselective ultra-high performance liquid chromatography-tandem mass spectrometry method based on sub-2 $\mu$ m 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> , <b>2020</b> , 1625, 461338	4.5	13
138	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> , <b>2020</b> , 1625, 461338	4.5	13
137	Micro-UHPLC-MS/MS method for analysis of oxylipins in plasma and platelets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 189, 113426	3.5	6
136	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. <i>Journal of Chromatography A</i> , <b>2020</b> , 1620, 460981	4.5	5
135	Lipidomic profiling of non-mineralized dental plaque and biofilm by untargeted UHPLC-QTOF-MS/MS and SWATH acquisition. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 2303-2314	4.4	2
134	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> , <b>2020</b> , 1621, 461075	4.5	9
133	Thiol-ene photo-click immobilization of a chiral chromatographic ligand on silica particles. <i>Journal of Chromatography A</i> , <b>2020</b> , 1622, 461133	4.5	6
132	Cinchona-based zwitterionic stationary phases: Exploring retention and enantioseparation mechanisms in supercritical fluid chromatography with a fragmentation approach. <i>Journal of Chromatography A</i> , <b>2020</b> , 1612, 460689	4.5	5
131	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> , <b>2020</b> , 1627, 461430	4.5	7
130	Mixed-mode chromatography characteristics of chiralpak ZWIX(+) and ZWIX(-) and elucidation of their chromatographic orthogonality for LC-ILC application. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1093, 168-179	6.6	5
129	Retention characteristics of poly(N-(1H-tetrazole-5-yl)-methacrylamide)-bonded stationary phase in hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , <b>2020</b> , 1609, 460500	4.5	6

128	Lipid Atlas of Keratinocytes and Betulin Effects on its Lipidome Profiled by Comprehensive UHPLC-MS/MS with Data Independent Acquisition Using Targeted Data Processing. <i>Proteomics</i> , <b>2020</b> , 20, e1900113	4.8	4
127	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> , <b>2020</b> , 1094, 57-69	6.6	8
126	Racemization without deamidation: Effect of racemization conditions on 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate tagged amino acids. <i>Journal of Chromatography A</i> , <b>2019</b> , 1604, 460492	4.5	3
125	A combined targeted/untargeted LC-MS/MS-based screening approach for mammalian cell lines treated with ionic liquids: Toxicity correlates with metabolic profile. <i>Talanta</i> , <b>2019</b> , 197, 472-481	6.2	2
124	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> , <b>2019</b> , 82, 301-308	4.9	21
123	Guidelines for Selection of Internal Standard-Based Normalization Strategies in Untargeted Lipidomic Profiling by LC-HR-MS/MS. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 9836-9843	7.8	18
122	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> , <b>2019</b> , 1603, 130-140	4.5	21
121	Derivatize, Racemize, and Analyze-an Easy and Simple Procedure for Chiral Amino Acid Standard Preparation for Enantioselective Metabolomics. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 7679-7689	7.8	13
120	Functionalized gold nanoparticles for sample preparation: A review. <i>Electrophoresis</i> , <b>2019</b> , 40, 2438-2461	3.6	16
119	In-situ photopolymerized C4-functionalized organosilicon monoliths for reversed-phase protein separation in nano-liquid chromatography. <i>Talanta</i> , <b>2019</b> , 198, 330-336	6.2	7
118	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> , <b>2019</b> , 1593, 110-118	4.5	17
117	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> , <b>2019</b> , 1086, 90-102	6.6	16
116	In-situ photopolymerized polyhedral oligomeric silsesquioxane-derived monolithic capillary columns with quinidine functionality for enantioseparation by nano-liquid chromatography. <i>Electrophoresis</i> , <b>2019</b> , 40, 3132-3139	3.6	0
115	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> , <b>2019</b> , 1596, 69-78	4.5	20
114	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> , <b>2019</b> , 1046, 1-15	6.6	30
113	Guidelines for tuning the macropore structure of monolithic columns for high-performance liquid chromatography. <i>Journal of Separation Science</i> , <b>2019</b> , 42, 522-533	3.4	16
112	Quantitative analysis of chemoresistance-inducing fatty acid in food supplements using UHPLC-ESI-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 479-491	4.4	4
111	Comparison of simple monophasic versus classical biphasic extraction protocols for comprehensive UHPLC-MS/MS lipidomic analysis of Hela cells. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1048, 66-74	6.6	27

110	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> , <b>2019</b> , 194, 664-672	6.2	16
109	Simultaneous Separation of Water- and Fat-Soluble Vitamins by Selective Comprehensive HILIC RPLC (High-Resolution Sampling) and Active Solvent Modulation. <i>Chromatographia</i> , <b>2019</b> , 82, 167-180	2.1	14
108	Optimization of the surface modification process of cross-linked polythiol-coated chiral stationary phases synthesized by a two-step thiol-ene click reaction. <i>Journal of Separation Science</i> , <b>2018</b> , 41, 1338-1345	3.4	6
107	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> , <b>2018</b> , 1534, 55-63	4.5	12
106	Correlation between Ionic Liquid Cytotoxicity and Liposome-Ionic Liquid Interactions. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 2669-2680	4.8	30
105	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> , <b>2018</b> , 1558, 29-36	4.5	10
104	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> , <b>2018</b> , 1022, 70-80	6.6	31
103	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> , <b>2018</b> , 1569, 149-159	4.5	18
102	Zwitterionic codeine-derived methacrylate monoliths for enantioselective capillary electrochromatography of chiral acids and chiral bases. <i>Electrophoresis</i> , <b>2018</b> , 39, 2558-2565	3.6	8
101	N-Propyl-NQ2-pyridylurea-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> , <b>2018</b> , 1560, 45-54	4.5	9
100	Imaging Peptide and Protein Chirality via Amino Acid Analysis by Chiral Chiral Two-Dimensional Correlation Liquid Chromatography. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 7963-7971	7.8	28
99	Chiral separation of disease biomarkers with 2-hydroxycarboxylic acid structure. <i>Journal of Separation Science</i> , <b>2018</b> , 41, 1224-1231	3.4	14
98	Free fatty acid profiling in marine algae extract by LC-MS/MS and isolation as well as quantification of the $\Omega$ 6 fatty acid hexadeca-4,7,10,13-tetraenoic acid. <i>Journal of Separation Science</i> , <b>2018</b> , 41, 4286-4295	3.4	10
97	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> , <b>2018</b> , 1562, 69-77	4.5	30
96	Chiral separation of short chain aliphatic hydroxycarboxylic acids on cinchonane carbamate-based weak chiral anion exchangers and zwitterionic chiral ion exchangers. <i>Journal of Chromatography A</i> , <b>2017</b> , 1487, 194-200	4.5	18
95	Papain-functionalized gold nanoparticles as heterogeneous biocatalyst for bioanalysis and biopharmaceuticals analysis. <i>Analytica Chimica Acta</i> , <b>2017</b> , 963, 33-43	6.6	17
94	Taylor dispersion analysis, resonant mass measurement and bioactivity of pepsin-coated gold nanoparticles. <i>Talanta</i> , <b>2017</b> , 167, 67-74	6.2	13
93	Regulation of oxidized platelet lipidome: implications for coronary artery disease. <i>European Heart Journal</i> , <b>2017</b> , 38, 1993-2005	9.5	58

92	Surface-anchored counterions on weak chiral anion-exchangers accelerate separations and improve their compatibility for mass-spectrometry-hyphenation. <i>Journal of Chromatography A</i> , <b>2017</b> , 1503, 21-31	4.5	13
91	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> , <b>2017</b> , 1497, 172-179	4.5	23
90	Accurate and reliable quantification of the protein surface coverage on protein-functionalized nanoparticles. <i>Analytica Chimica Acta</i> , <b>2017</b> , 989, 29-37	6.6	18
89	Methods for the comprehensive structural elucidation of constitution and stereochemistry of lipopeptides. <i>Journal of Chromatography A</i> , <b>2016</b> , 1428, 280-91	4.5	18
88	Insect Adhesion Secretions: Similarities and Dissimilarities in Hydrocarbon Profiles of Tarsi and Corresponding Tibiae. <i>Journal of Chemical Ecology</i> , <b>2016</b> , 42, 725-738	2.7	18
87	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> , <b>2016</b> , 50, 7116-25	10.3	62
86	Preparation of fluorescent labeled gentamicin as biological tracer and its characterization by liquid chromatography and high resolution mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 121, 307-315	3.5	9
85	Chiral separation of 2-hydroxyglutaric acid on cinchonan carbamate based weak chiral anion exchangers by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , <b>2016</b> , 1467, 239-245	4.5	24
84	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> , <b>2016</b> , 1436, 73-83	4.5	23
83	Gold nanoparticle-conjugated pepsin for efficient solution-like heterogeneous biocatalysis in analytical sample preparation protocols. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 5415-27	4.4	18
82	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> , <b>2016</b> , 28, 5-16	2.1	21
81	Quantification of riboflavin, flavin mononucleotide, and flavin adenine dinucleotide in mammalian model cells by CE with LED-induced fluorescence detection. <i>Electrophoresis</i> , <b>2015</b> , 36, 518-25	3.6	32
80	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> , <b>2015</b> , 137, 14640-52	16.4	57
79	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> , <b>2015</b> , 1409, 189-200	4.5	18
78	Analysis of chemical profiles of insect adhesion secretions by gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2015</b> , 854, 47-60	6.6	19
77	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> , <b>2015</b> , 28, 800-10	3.6	67
76	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> , <b>2015</b> , 1388, 24-35	4.5	12
75	Impact of amphiphilic biomass-dissolving ionic liquids on biological cells and liposomes. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 1870-8	10.3	65

74	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> , <b>2015</b> , 857, 53-63	6.6	33
73	Direct enantioseparation of underivatized aliphatic 3-hydroxyalkanoic acids with a quinine-based zwitterionic chiral stationary phase. <i>Journal of Chromatography A</i> , <b>2014</b> , 1363, 101-8	4.5	44
72	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> , <b>2014</b> , 86, 9954-61	7.8	15
71	Liquid chromatographic enantiomer separation with special focus on zwitterionic chiral ion-exchangers. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 6095-103	4.4	23
70	Ligand-receptor binding increments in enantioselective liquid chromatography. <i>Journal of Chromatography A</i> , <b>2014</b> , 1363, 79-88	4.5	3
69	Synthetic oligonucleotide separations by mixed-mode reversed-phase/weak anion-exchange liquid chromatography. <i>Journal of Chromatography A</i> , <b>2014</b> , 1354, 43-55	4.5	49
68	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> , <b>2014</b> , 1367, 123-30	4.5	26
67	Streptavidin binding as a model to characterize thiol-ene chemistry-based polyamine surfaces for reversible photonic protein biosensing. <i>Chemical Communications</i> , <b>2014</b> , 50, 2424-7	5.8	10
66	Chemoaffinity material for plasmid DNA analysis by high-performance liquid chromatography with condition-dependent switching between isoform and topoisomer selectivity. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 2913-20	7.8	17
65	Mixed-mode chromatography with zwitterionic phosphopeptidomimetic selectors from Ugi multicomponent reaction. <i>Journal of Chromatography A</i> , <b>2013</b> , 1317, 12-21	4.5	31
64	Phosphopeptidomimetic substance libraries from multicomponent reaction: enantioseparation on quinidine carbamate stationary phase. <i>Journal of Chromatography A</i> , <b>2013</b> , 1310, 56-65	4.5	4
63	Gold nanoparticle-conjugated anti-oxidized low-density lipoprotein antibodies for targeted lipidomics of oxidative stress biomarkers. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 8376-84	7.8	39
62	Direct high-performance liquid chromatographic enantioseparation of free $\beta$ - and $\beta$ -aminophosphonic acids employing cinchona-based chiral zwitterionic ion exchangers. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 8027-38	4.4	20
61	Quantifying thiol ligand density of self-assembled monolayers on gold nanoparticles by inductively coupled plasma-mass spectrometry. <i>ACS Nano</i> , <b>2013</b> , 7, 1129-36	16.7	252
60	Comparative method evaluation for size and size-distribution analysis of gold nanoparticles. <i>Journal of Separation Science</i> , <b>2013</b> , 36, 2952-61	3.4	68
59	Chiral separations and enantioselectivity. <i>Journal of Chromatography A</i> , <b>2012</b> , 1269, 1-2	4.5	4
58	Molecular recognition principles and stationary-phase characteristics of topoisomer-selective chemoaffinity materials for chromatographic separation of circular plasmid DNA topoisomers. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 859-62	16.4	10
57	Bioconjugation of trypsin onto gold nanoparticles: effect of surface chemistry on bioactivity. <i>Analytica Chimica Acta</i> , <b>2012</b> , 733, 90-7	6.6	61

56	Quantitative high-performance liquid chromatography-tandem mass spectrometry impurity profiling methods for the analysis of parenteral infusion solutions for amino acid supplementation containing L-alanyl-L-glutamine. <i>Journal of Chromatography A</i> , <b>2012</b> , 1259, 111-20	4.5	9
55	Comprehensive impurity profiling of nutritional infusion solutions by multidimensional off-line reversed-phase liquid chromatography [hydrophilic interaction chromatography-ion trap mass-spectrometry and charged aerosol detection with universal calibration. <i>Journal of Chromatography A</i> , <b>2012</b> , 1259, 100-10	4.5	33
54	Enantioseparation of chiral sulfonates by liquid chromatography and subcritical fluid chromatography. <i>Journal of Separation Science</i> , <b>2012</b> , 35, 2521-8	3.4	10
53	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> , <b>2011</b> , 400, 2517-30	4.4	61
52	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> , <b>2011</b> , 34, 761-72	3.4	31
51	Quantitative LC-ESI-MS/MS metabolic profiling method for fatty acids and lipophilic metabolites in fermentation broths from beta-lactam antibiotics production. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 397, 147-160	4.4	22
50	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> , <b>2010</b> , 33, 3273-82	3.4	66
49	Monoliths with chiral surface functionalization for enantioselective capillary electrochromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 53, 1091-123	3.5	60
48	Chiral recognition by enantioselective liquid chromatography: mechanisms and modern chiral stationary phases. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 814-56	4.5	517
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