Martin A Giera

List of Publications by Year
in descending order

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Version: 2024-02-01

168 papers	6,491 citations	81900 39 h-index	85541 71 g-index
188 all docs	188 docs citations	188 times ranked	10147 citing authors

#	Article	IF	Citations
1	Metabolomic and lipidomic signatures associated with activation of human cDC1 (BDCA3⁺/CD141⁺) dendritic cells. Immunology, 2022, 165, 99-109.	4.4	8
2	Dehydrocholesterol Reductase 24 (DHCR24): Medicinal Chemistry, Pharmacology and Novel Therapeutic Options. Current Medicinal Chemistry, 2022, 29, 4005-4025.	2.4	13
3	Lung emphysema and impaired macrophage elastase clearance in mucolipin 3 deficient mice. Nature Communications, 2022, 13, 318.	12.8	25
4	Metabolite discovery: Biochemistryâ€™s scientific driver. Cell Metabolism, 2022, 34, 21-34.	16.2	36
5	Dietary Fish Oil Increases the Number of CD11b+CD27â^' NK Cells at the Inflammatory Site and Enhances Key Hallmarks of Resolution of Murine Antigen-Induced Peritonitis. Journal of Inflammation Research, 2022, Volume 15, 311-324.	3.5	4
6	GPR120 prevents colorectal adenocarcinoma progression by sustaining the mucosal barrier integrity. Scientific Reports, 2022, 12, 381.	3.3	16
7	Hyaluronidase treatment of synovial fluid is required for accurate detection of inflammatory cells and soluble mediators. Arthritis Research and Therapy, 2022, 24, 18.	3.5	3
8	Recent advances in metabolomics analysis for early drug development. Drug Discovery Today, 2022, 27, 1763-1773.	6.4	64
9	Neutral Loss Mass Spectral Data Enhances Molecular Similarity Analysis in METLIN. Journal of the American Society for Mass Spectrometry, 2022, 33, 530-534.	2.8	19
10	Changes in Plasma Lipid Levels Following Cortical Spreading Depolarization in a Transgenic Mouse Model of Familial Hemiplegic Migraine. Metabolites, 2022, 12, 220.	2.9	1
11	Bone marrow transplantation induces changes in the gut microbiota that chronically increase the cytokine response pattern of splenocytes. Scientific Reports, 2022, 12, 6883.	3.3	2
12	Comprehensive (apo)lipoprotein profiling in patients with genetic hypertriglyceridemia using LC-MS and NMR spectroscopy. Journal of Clinical Lipidology, 2022, 16, 472-482.	1.5	10
13	The association of the lipid profile with knee and hand osteoarthritis severity: the IMI-APPROACH cohort. Osteoarthritis and Cartilage, 2022, 30, 1062-1069.	1.3	8
14	Human umbilical cord mesenchymal stem cell-derived treatment of severe pulmonary arterial hypertension. , 2022, 1, 568-576.		6
15	Generating Heterokaryotic Cells via Bacterial Cell-Cell Fusion. Microbiology Spectrum, 2022, 10, .	3.0	3
16	Disruptions of Anaerobic Gut Bacteria Are Associated with Stroke and Post-stroke Infection: a Prospective Caseâ€“Control Study. Translational Stroke Research, 2021, 12, 581-592.	4.2	75
17	Cannabinoid type 1 receptor inverse agonism attenuates dyslipidemia and atherosclerosis in APOEâ^—3-Leiden.CETP mice. Journal of Lipid Research, 2021, 62, 100070.	4.2	9
18	Metabolic Analysis of Vitreous/Lens and Retina in Wild Type and Retinal Degeneration Mice. International Journal of Molecular Sciences, 2021, 22, 2345.	4.1	6

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19	Sema7A is crucial for resolution of severe inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	29
20	Virgin Olive Oil Phenolic Compounds Modulate the HDL Lipidome in Hypercholesterolaemic Subjects: A Lipidomic Analysis of the VOHF Study. Molecular Nutrition and Food Research, 2021, 65, e2001192.	3.3	12
21	Glutathione Metabolism Contributes to the Induction of Trained Immunity. Cells, 2021, 10, 971.	4.1	20
22	Microbiota-derived short chain fatty acids modulate microglia and promote AÎ² plaque deposition. ELife, 2021, 10, .	6.0	148
23	The lipid profile for the prediction of prednisolone treatment response in patients with inflammatory hand osteoarthritis: The HOPE study. Osteoarthritis and Cartilage Open, 2021, , 100167.	2.0	1
24	Integrative Transkingdom Analysis of the Gut Microbiome in Antibiotic Perturbation and Critical Illness. MSystems, 2021, 6, .	3.8	35
25	Editorial: Quo Vadis Lipid Mediators â€“ Lipid Mediators Implication in Inflammation and Chronic Inflammatory Diseases. Frontiers in Immunology, 2021, 12, 699276.	4.8	1
26	Effects of a novel polyphenol-rich plant extract on body composition, inflammation, insulin sensitivity, and glucose homeostasis in obese mice. International Journal of Obesity, 2021, 45, 2016-2027.	3.4	9
27	Regular Dietary Intake of Palmitate Causes Vascular and Valvular Calcification in a Rabbit Model. Frontiers in Cardiovascular Medicine, 2021, 8, 692184.	2.4	8
28	Spatially resolved sampling for untargeted metabolomics: A new tool for salivomics. IScience, 2021, 24, 102768.	4.1	6
29	Single Quadrupole Multiple Fragment Ion Monitoring Quantitative Mass Spectrometry. Analytical Chemistry, 2021, 93, 10879-10889.	6.5	9
30	Redirected nuclear glutamate dehydrogenase supplies Tet3 with Î±-ketoglutarate in neurons. Nature Communications, 2021, 12, 4100.	12.8	7
31	The Role of Innate Immunity and Bioactive Lipid Mediators in COVID-19 and Influenza. Frontiers in Physiology, 2021, 12, 688946.	2.8	16
32	A squaleneâ€“hopene cyclase inSchizosaccharomyces japonicusrepresents a eukaryotic adaptation to sterol-limited anaerobic environments. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
33	Krill Oil Treatment Increases Distinct PUFAs and Oxylipins in Adipose Tissue and Liver and Attenuates Obesity-Associated Inflammation via Direct and Indirect Mechanisms. Nutrients, 2021, 13, 2836.	4.1	16
34	Metabolic Reprogramming of Mammary Epithelial Cells during TGF-Î²-Induced Epithelial-to-Mesenchymal Transition. Metabolites, 2021, 11, 626.	2.9	7
35	Reproducibility of Targeted Lipidome Analyses (Lipidyzer) in Plasma and Erythrocytes over a 6-Week Period. Metabolites, 2021, 11, 26.	2.9	14
36	A DMS Shotgun Lipidomics Workflow Application to Facilitate High-Throughput, Comprehensive Lipidomics. Journal of the American Society for Mass Spectrometry, 2021, 32, 2655-2663.	2.8	46

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37	Proteomics with Enhanced In-Source Fragmentation/Annotation: Applying XCMS-EISA Informatics and Q-MRM High-Sensitivity Quantification. Journal of the American Society for Mass Spectrometry, 2021, 32, 2644-2654.	2.8	6
38	Cross-Laboratory Standardization of Preclinical Lipidomics Using Differential Mobility Spectrometry and Multiple Reaction Monitoring. Analytical Chemistry, 2021, 93, 16369-16378.	6.5	40
39	Spatially resolved sampling of the human oral cavity for metabolic profiling. STAR Protocols, 2021, 2, 101002.	1.2	3
40	Acetyl-CoA Carboxylase Inhibitor CP640.186 Increases Tubulin Acetylation and Impairs Thrombin-Induced Platelet Aggregation. International Journal of Molecular Sciences, 2021, 22, 13129.	4.1	4
41	Short-Chain Fatty Acids Improve Poststroke Recovery via Immunological Mechanisms. Journal of Neuroscience, 2020, 40, 1162-1173.	3.6	199
42	Shear Stress Regulation of Endothelial Glycocalyx Structure Is Determined by Glucobiosynthesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 350-364.	2.4	71
43	TGFÎ²-induced metabolic reprogramming during epithelial-to-mesenchymal transition in cancer. Cellular and Molecular Life Sciences, 2020, 77, 2103-2123.	5.4	152
44	Anti-Inflammatory and Proresolving Effects of the Omega-6 Polyunsaturated Fatty Acid Adrenic Acid. Journal of Immunology, 2020, 205, 2840-2849.	0.8	33
45	Mild Exercise Does Not Prevent Atherosclerosis in APOE*3â€Leiden.CETP Mice or Improve Lipoprotein Profile of Men with Obesity. Obesity, 2020, 28, S93-S103.	3.0	2
46	Î”24-Dehydrocholesterol reductase (DHCR24): A novel target for the treatment of nash. Atherosclerosis, 2020, 315, e11.	0.8	0
47	Results of an explorative clinical evaluation suggest immediate and persistent post-reperfusion metabolic paralysis drives kidney ischemia reperfusion injury. Kidney International, 2020, 98, 1476-1488.	5.2	20
48	Altered Patterns of Compositional and Functional Disruption of the Gut Microbiota in Typhoid Fever and Nontyphoidal Febrile Illness. Open Forum Infectious Diseases, 2020, 7, ofaa251.	0.9	4
49	Human-iPSC-Derived Cardiac Stromal Cells Enhance Maturation in 3D Cardiac Microtissues and Reveal Non-cardiomyocyte Contributions to Heart Disease. Cell Stem Cell, 2020, 26, 862-879.e11.	11.1	337
50	Metabolic reprogramming related to whole-chromosome instability in models for HÃ¼rthle cell carcinoma. Scientific Reports, 2020, 10, 9578.	3.3	11
51	Squalene-Tetrahymanol Cyclase Expression Enables Sterol-Independent Growth of Saccharomyces cerevisiae. Applied and Environmental Microbiology, 2020, 86, .	3.1	12
52	Disturbed brain ether lipid metabolism and histology in <scp>SjÃ¶grenâ€Larsson</scp> syndrome. Journal of Inherited Metabolic Disease, 2020, 43, 1265-1278.	3.6	25
53	Lowering the increased intracellular pH of human-induced pluripotent stem cell-derived endothelial cells induces formation of mature Weibel-Palade bodies. Stem Cells Translational Medicine, 2020, 9, 758-772.	3.3	11
54	Trans-right ventricle and transpulmonary metabolite gradients in human pulmonary arterial hypertension. Heart, 2020, 106, 1332-1341.	2.9	20

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55	Therapeutic iloprost for the treatment of acute respiratory distress syndrome (ARDS) (the ThIlo) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	10
56	Schistosoma haematobium infection is associated with lower serum cholesterol levels and improved lipid profile in overweight/obese individuals. PLoS Neglected Tropical Diseases, 2020, 14, e0008464.	3.0	19
57	Lipid metabolism of leukocytes in the unstimulated and activated states. Analytical and Bioanalytical Chemistry, 2020, 412, 2353-2363.	3.7	28
58	Photo-controlled delivery of very long chain fatty acids to cell membranes and modulation of membrane protein function. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183200.	2.6	8
59	Scientific workflow managers in metabolomics: an overview. Analyst, The, 2020, 145, 3801-3808.	3.5	15
60	Toll-like receptor signaling induces a temporal switch towards a resolving lipid profile in monocyte-derived macrophages. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158740.	2.4	5
61	Title is missing!. , 2020, 14, e0008464.		0
62	Title is missing!. , 2020, 14, e0008464.		0
63	Title is missing!. , 2020, 14, e0008464.		0
64	Title is missing!. , 2020, 14, e0008464.		0
65	New insights into energy and protein homeostasis by the kidney. Nature Reviews Nephrology, 2019, 15, 596-598.	9.6	7
66	A gas chromatographyâ€“mass spectrometry-based whole-cell screening assay for target identification in distal cholesterol biosynthesis. Nature Protocols, 2019, 14, 2546-2570.	12.0	27
67	Comparison of Strategies for the Determination of Sterol Sulfates via GC-MS Leading to a Novel Deconjugation-Derivatization Protocol. Molecules, 2019, 24, 2353.	3.8	14
68	Bis-allylic Deuterated DHA Alleviates Oxidative Stress in Retinal Epithelial Cells. Antioxidants, 2019, 8, 447.	5.1	8
69	Inhibition of Î”24-dehydrocholesterol reductase activates pro-resolving lipid mediator biosynthesis and inflammation resolution. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20623-20634.	7.1	38
70	Platelet Acetyl-CoA Carboxylase Phosphorylation. JACC Basic To Translational Science, 2019, 4, 596-610.	4.1	6
71	Cholesterol Metabolism Is a Druggable Axis that Independently Regulates Tau and Amyloid-Î² in iPSC-Derived Alzheimerâ€™s Disease Neurons. Cell Stem Cell, 2019, 24, 363-375.e9.	11.1	220
72	High vs. Low Initial Oxygen to Improve the Breathing Effort of Preterm Infants at Birth: Study Protocol for a Randomized Controlled Trial. Frontiers in Pediatrics, 2019, 7, 179.	1.9	6

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73	Sympathetic nervous system controls resolution of inflammation via regulation of repulsive guidance molecule A. Nature Communications, 2019, 10, 633.	12.8	38
74	Identification of bioactive metabolites using activity metabolomics. Nature Reviews Molecular Cell Biology, 2019, 20, 353-367.	37.0	602
75	The Effect of Initial High vs. Low FiO2 on Breathing Effort in Preterm Infants at Birth: A Randomized Controlled Trial. Frontiers in Pediatrics, 2019, 7, 504.	1.9	39
76	Dynamic differences in dietary polyunsaturated fatty acid metabolism in sputum of COPD patients and controls. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 224-233.	2.4	26
77	Dietary Mannan Oligosaccharides Modulate Gut Microbiota, Increase Fecal Bile Acid Excretion, and Decrease Plasma Cholesterol and Atherosclerosis Development. Molecular Nutrition and Food Research, 2018, 62, e1700942.	3.3	67
78	GC-MS Analysis of Medium- and Long-Chain Fatty Acids in Blood Samples. Methods in Molecular Biology, 2018, 1730, 257-265.	0.9	19
79	Metabolite-Induced Protein Expression Guided by Metabolomics and Systems Biology. Cell Metabolism, 2018, 27, 270-272.	16.2	6
80	GC-MS Analysis of Short-Chain Fatty Acids in Feces, Cecum Content, and Blood Samples. Methods in Molecular Biology, 2018, 1730, 247-256.	0.9	72
81	Resolution of inflammation and sepsis survival are improved by dietary Î©-3 fatty acids. Cell Death and Differentiation, 2018, 25, 421-431.	11.2	60
82	Adrenic acid as a novel anti-inflammatory player in osteoarthritis. Osteoarthritis and Cartilage, 2018, 26, S126.	1.3	4
83	The Schistosoma mansoni lipidome: Leads for immunomodulation. Analytica Chimica Acta, 2018, 1037, 107-118.	5.4	46
84	Butyrate reduces appetite and activates brown adipose tissue via the gut-brain neural circuit. Gut, 2018, 67, 1269-1279.	12.1	401
85	Natural killer cells play an essential role in resolution of antigen-induced inflammation in mice. Molecular Immunology, 2018, 93, 1-8.	2.2	9
86	Inhibition of neogenin fosters resolution of inflammation and tissue regeneration. Journal of Clinical Investigation, 2018, 128, 4711-4726.	8.2	28
87	The prebiotic inulin modulates gut microbiota but does not ameliorate atherosclerosis in hypercholesterolemic APOE*3-Leiden.CETP mice. Scientific Reports, 2018, 8, 16515.	3.3	26
88	KIMBLE: A versatile visual NMR metabolomics workbench in KNIME. Analytica Chimica Acta, 2018, 1044, 66-76.	5.4	21
89	Effects of anticoagulants and storage conditions on clinical oxylipid levels in human plasma. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 1511-1522.	2.4	38
90	Butyrate via the gut-brain neural circuit reduces appetite and activates brown adipose tissue. Atherosclerosis, 2018, 275, e15-e16.	0.8	4

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91	Proteomic identification of Axc, a novel beta-lactamase with carbapenemase activity in a meropenem-resistant clinical isolate of Achromobacter xylosoxidans. Scientific Reports, 2018, 8, 8181.	3.3	10
92	Eicosanoid biosynthesis influences the virulence of Candida parapsilosis. Virulence, 2018, 9, 1019-1035.	4.4	18
93	Accumulation of 8,9-unsaturated sterols drives oligodendrocyte formation and remyelination. Nature, 2018, 560, 372-376.	27.8	170
94	AMPK-ACC signaling modulates platelet phospholipids and potentiates thrombus formation. Blood, 2018, 132, 1180-1192.	1.4	57
95	Metabolic liver inflammation in obesity does not robustly decrease hepatic and circulating CETP. Atherosclerosis, 2018, 275, 149-155.	0.8	5
96	Dectin-1/2â€“induced autocrine PGE2 signaling licenses dendritic cells to prime Th2 responses. PLoS Biology, 2018, 16, e2005504.	5.6	79
97	SAT0028â€…The importance of proper handling of human synovial fluid for arthritis research. , 2018, , .		0
98	Targeted lipidomics reveals activation of resolution pathways in knee osteoarthritis in humans. Osteoarthritis and Cartilage, 2017, 25, 1150-1160.	1.3	52
99	Lipase-catalyzed kinetic resolution as key step in the synthesis of enantiomerically pure Ïƒ ligands with 2-benzopyran structure. Bioorganic and Medicinal Chemistry, 2017, 25, 3384-3395.	3.0	8
100	Quantitative NMR analysis of intra- and extracellular metabolism of mammalian cells: A tutorial. Analytica Chimica Acta, 2017, 980, 1-24.	5.4	109
101	Automated quantification of metabolites in blood-derived samples by NMR. Analytica Chimica Acta, 2017, 976, 52-62.	5.4	22
102	Antifungal drug testing by combining minimal inhibitory concentration testing with target identification by gas chromatographyâ€“mass spectrometry. Nature Protocols, 2017, 12, 947-963.	12.0	48
103	Probing the Genome-Scale Metabolic Landscape of Bordetella pertussis, the Causative Agent of Whooping Cough. Applied and Environmental Microbiology, 2017, 83, .	3.1	21
104	New chemotype of selective and potent inhibitors of human delta 24-dehydrocholesterol reductase. European Journal of Medicinal Chemistry, 2017, 140, 305-320.	5.5	14
105	Isoprostanes, neuroprostanes and phytoprostanes: An overview of 25 years of research in chemistry and biology. Progress in Lipid Research, 2017, 68, 83-108.	11.6	130
106	A Temporal switch towards a more resolvingchronic toll-like receptor signalling induces lipid profile in monocyte-derived macrophages receptor signalling induces a temporal switch towards a more resolving lipid profile in monocyte-derived macrophages. Osteoarthritis and Cartilage, 2017, 25, S170-S171.	1.3	1
107	Recent advances in liquidâ€phase separations for clinical metabolomics. Journal of Separation Science, 2017, 40, 93-108.	2.5	34
108	The whipworm (Trichuris suis) secretes prostaglandin E2 to suppress proinflammatory properties in human dendritic cells. FASEB Journal, 2017, 31, 719-731.	0.5	52

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109	03.19â€...Mast cells are reprogrammed through repeated triggering. , 2017, , .		0
110	THU0057â€...Lipid profiling of plasma in rheumatoid arthritis patients by liquid chromatographyâ€“tandem mass spectrometry. , 2017, , .		0
111	Hormones: Eicosanoids. , 2017, , 259-259.		0
112	Disturbed fatty acid metabolism in airway secretions of patients with Chronic Obstructive Pulmonary Disease. , 2017, , .		2
113	The neuroimmune guidance cue netrinâ€1 controls resolution programs and promotes liver regeneration. Hepatology, 2016, 63, 1689-1705.	7.3	55
114	F₂-Isoprostanes in HDL are bound to neutral lipids and phospholipids. Free Radical Research, 2016, 50, 1374-1385.	3.3	8
115	Analytical pitfalls and challenges in clinical metabolomics. Bioanalysis, 2016, 8, 1509-1532.	1.5	83
116	Synovial CD4+ T cells associate with pain in osteoarthritis: is there a role for fatty acids?. Osteoarthritis and Cartilage, 2016, 24, S321.	1.3	2
117	Bioactive lipids in osteoarthritis patients: a novel way to look at chronic inflammation. Osteoarthritis and Cartilage, 2016, 24, S33-S34.	1.3	1
118	Acute phase inflammation is characterized by rapid changes in plasma/peritoneal fluid N-glycosylation in mice. Glycoconjugate Journal, 2016, 33, 457-470.	2.7	18
119	Increased PUFA Content and 5-Lipoxygenase Pathway Expression Are Associated with Subcutaneous Adipose Tissue Inflammation in Obese Women with Type 2 Diabetes. Nutrients, 2015, 7, 7676-7690.	4.1	38
120	Amino acid analysis using chromatographyâ€“mass spectrometry: An inter platform comparison study. Journal of Pharmaceutical and Biomedical Analysis, 2015, 114, 398-407.	2.8	60
121	A hypomorphic Cbx3 allele causes prenatal growth restriction and perinatal energy homeostasis defects. Journal of Biosciences, 2015, 40, 325-338.	1.1	10
122	An Advanced LCâ€“MS/MS Platform for the Analysis of Specialized Pro-Resolving Lipid Mediators. Chromatographia, 2015, 78, 391-401.	1.3	17
123	Fungal sterol C22-desaturase is not an antimycotic target as shown by selective inhibitors and testing on clinical isolates. Steroids, 2015, 101, 1-6.	1.8	11
124	Specialized pro-resolving lipid mediators in osteoarthritis patients: Evidence for an anti-inflammatory role. Osteoarthritis and Cartilage, 2015, 23, A261-A262.	1.3	1
125	Recent Developments in Clinical Omics. Chromatographia, 2015, 78, 305-306.	1.3	2
126	Differential Mobility Separation of Leukotrienes and Protectins. Analytical Chemistry, 2015, 87, 5036-5040.	6.5	36

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127	Protein costs do not explain evolution of metabolic strategies and regulation of ribosomal content: does protein investment explain an anaerobic bacterial <scp>C</scp>rabtree effect?. Molecular Microbiology, 2015, 97, 77-92.	2.5	57
128	Bioanalytical derivatization: is there still room for development?. Bioanalysis, 2015, 7, 2439-2441.	1.5	5
129	Analysis and Experimental Inhibition of Distal Cholesterol Biosynthesis. Chromatographia, 2015, 78, 343-358.	1.3	14
130	Cigarette smoke reduces pro-resolving omega-6 metabolite production by cultured human primary bronchial epithelial cells. , 2015, , .		0
131	Prolonged niacin treatment leads to increased adipose tissue PUFA synthesis and anti-inflammatory lipid and oxylipin plasma profile. Journal of Lipid Research, 2014, 55, 2532-2540.	4.2	37
132	Comprehensive gas chromatographyâ€“electron ionisation mass spectrometric analysis of fatty acids and sterols using sequential oneâ€pot silylation: quantification and isotopologue analysis. Rapid Communications in Mass Spectrometry, 2014, 28, 1507-1514.	1.5	28
133	Analysis of biologically-active, endogenous carboxylic acids based on chromatography-mass spectrometry. TrAC - Trends in Analytical Chemistry, 2014, 61, 17-28.	11.4	37
134	Comparison of (bio-)transformation methods for the generation of metabolite-like compound libraries of p38Î± MAP kinase inhibitors using high-resolution screening. Journal of Pharmaceutical and Biomedical Analysis, 2014, 88, 235-244.	2.8	5
135	Evaluation of different column chemistries for fast urinary metabolic profiling. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 927, 90-96.	2.3	40
136	On-Line Electrochemical Reduction of Disulfide Bonds: Improved FTICR-CID and -ETD Coverage of Oxytocin and Hepcidin. Journal of the American Society for Mass Spectrometry, 2013, 24, 1980-1987.	2.8	25
137	Protein Digestion: An Overview of the Available Techniques and Recent Developments. Journal of Proteome Research, 2013, 12, 1067-1077.	3.7	195
138	Detection and Structural Elucidation of Esterified Oxylipids in Human Synovial Fluid by Electrospray Ionization-Fourier Transform Ion-Cyclotron Mass Spectrometry and Liquid Chromatography-Ion Trap-MS³: Detection of Esterified Hydroxylated Docosapentaenoic Acid Containing Phospholipids. Analytical Chemistry, 2013, 85, 6003-6010.	6.5	15
139	Identification and quantification of drugâ€“albumin adducts in serum samples from a drug exposure study in mice. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 917-918, 53-61.	2.3	14
140	A convenient cellular assay for the identification of the molecular target of ergosterol biosynthesis inhibitors and quantification of their effects on total ergosterol biosynthesis. Steroids, 2013, 78, 483-493.	1.8	41
141	Adipocyteâ€derived lipids modulate CD4⁺ Tâ€cell function. European Journal of Immunology, 2013, 43, 1578-1587.	2.9	71
142	Adipocytes Modulate the Phenotype of Human Macrophages through Secreted Lipids. Journal of Immunology, 2013, 191, 1356-1363.	0.8	41
143	A4.2â€...Adipocytes Modulate T Cell Function through Release of Lipids. Annals of the Rheumatic Diseases, 2013, 72, A24.1-A24.	0.9	0
144	Lipid and lipid mediator profiling of human synovial fluid in rheumatoid arthritis patients by means of LCâ€“MS/MS. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 1415-1424.	2.4	173

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145	On-line electrochemistryâ€“bioaffinity screening with parallel HR-LC-MS for the generation and characterization of modified p38Î± kinase inhibitors. Analytical and Bioanalytical Chemistry, 2012, 403, 367-375.	3.7	17
146	Recent Advancements in the LC- and GC-Based Analysis of Malondialdehyde (MDA): A Brief Overview. Chromatographia, 2012, 75, 433-440.	1.3	137
147	Derivatization of the tricarboxylic acid cycle intermediates and analysis by online solid-phase extraction-liquid chromatographyâ€“mass spectrometry with positive-ion electrospray ionization. Journal of Chromatography A, 2012, 1232, 19-26.	3.7	43
148	Mild and selective labeling of malondialdehyde with 2-aminoacridone: assessment of urinary malondialdehyde levels. Analyst, The, 2011, 136, 2763.	3.5	20
149	Advances in mass spectrometry-based post-column bioaffinity profiling of mixtures. Analytical and Bioanalytical Chemistry, 2011, 399, 2655-2668.	3.7	63
150	Stability-indicating study of the anti-Alzheimer's drug galantamine hydrobromide. Journal of Pharmaceutical and Biomedical Analysis, 2011, 55, 85-92.	2.8	25
151	Analysis of acetylcholinesterase inhibitors: bioanalysis, degradation and metabolism. Biomedical Chromatography, 2011, 25, 278-299.	1.7	20
152	Protein digestion optimization for characterization of drugâ€“protein adducts using response surface modeling. Journal of Chromatography A, 2011, 1218, 1715-1723.	3.7	28
153	High temperature liquid chromatography hyphenated with ESI-MS and ICP-MS detection for the structural characterization and quantification of halogen containing drug metabolites. Analytica Chimica Acta, 2011, 698, 69-76.	5.4	26
154	Derivatization of carboxylic acids with 4-APEBA for detection by positive-ion LC-ESIâ€“MS(/MS) applied for the analysis of prostanoids and NSAID in urine. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 1393-1401.	2.3	35
155	Identification of the Biotransformation Products of 2-Ethylhexyl 4-(N,N-Dimethylamino)benzoate. Chromatographia, 2010, 71, 55-63.	1.3	15
156	Development of an online p38Î± mitogen-activated protein kinase binding assay and integration of LCâ€“HR-MS. Analytical and Bioanalytical Chemistry, 2010, 398, 1771-1780.	3.7	32
157	Development of a microfluidic confocal fluorescence detection system for the hyphenation of nano-LC to on-line biochemical assays. Analytical and Bioanalytical Chemistry, 2010, 398, 3023-3032.	3.7	36
158	Photohuperzine Aâ€”A new photoisomer of huperzine A: Structure elucidation, formation kinetics and activity assessment. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 190-194.	2.8	5
159	Structural elucidation of biologically active neomycin Nâ€octyl derivatives in a regioisomeric mixture by means of liquid chromatography/ion trap timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 1439-1446.	1.5	14
160	Haloperidol disrupts lipid rafts and impairs insulin signaling in SH-SY5Y cells. Neuroscience, 2010, 167, 143-153.	2.3	44
161	Side chain azasteroids and thiasteroids as sterol methyltransferase inhibitors in ergosterol biosynthesis. Bioorganic and Medicinal Chemistry, 2009, 17, 8123-8137.	3.0	32
162	Microfractionation Revisited: A 1536 Well High Resolution Screening Assay. Analytical Chemistry, 2009, 81, 5460-5466.	6.5	45

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163	Inhibition of cholesterol biosynthesis disrupts lipid raft/caveolae and affects insulin receptor activation in 3T3-L1 preadipocytes. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1731-1739.	2.6	65
164	Lathosterol side chain amidesâ€"A new class of human lathosterol oxidase inhibitors. Steroids, 2008, 73, 299-308.	1.8	29
165	First Total Synthesis of Ergosta-5,8-dien-3Î²-ol. Scientia Pharmaceutica, 2008, 76, 599-604.	2.0	3
166	Fast and easy in vitro screening assay for cholesterol biosynthesis inhibitors in the post-squalene pathway. Steroids, 2007, 72, 633-642.	1.8	44
167	Multiresidue analytical method using dispersive solid-phase extraction and gas chromatography/ion trap mass spectrometry to determine pharmaceuticals in whole blood. Journal of Chromatography A, 2006, 1135, 19-26.	3.7	144
168	The Human Milk Oligosaccharide 2â€²-Fucosyllactose Alleviates Liver Steatosis, ER Stress and Insulin Resistance by Reducing Hepatic Diacylglycerols and Improved Gut Permeability in Obese Ldlr-/-.Leiden Mice. Frontiers in Nutrition, 0, 9, .	3.7	10