

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	Identification of bioactive metabolites using activity metabolomics. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 353-367.	37.0	602
2	Butyrate reduces appetite and activates brown adipose tissue via the gut-brain neural circuit. <i>Gut</i> , 2018, 67, 1269-1279.	12.1	401
3	Human-iPSC-Derived Cardiac Stromal Cells Enhance Maturation in 3D Cardiac Microtissues and Reveal Non-cardiomyocyte Contributions to Heart Disease. <i>Cell Stem Cell</i> , 2020, 26, 862-879.e11.	11.1	337
4	Cholesterol Metabolism Is a Druggable Axis that Independently Regulates Tau and Amyloid- β^2 in iPSC-Derived Alzheimer's Disease Neurons. <i>Cell Stem Cell</i> , 2019, 24, 363-375.e9.	11.1	220
5	Short-Chain Fatty Acids Improve Poststroke Recovery via Immunological Mechanisms. <i>Journal of Neuroscience</i> , 2020, 40, 1162-1173.	3.6	199
6	Protein Digestion: An Overview of the Available Techniques and Recent Developments. <i>Journal of Proteome Research</i> , 2013, 12, 1067-1077.	3.7	195
7	Lipid and lipid mediator profiling of human synovial fluid in rheumatoid arthritis patients by means of LC-MS/MS. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012, 1821, 1415-1424.	2.4	173
8	Accumulation of 8,9-unsaturated sterols drives oligodendrocyte formation and remyelination. <i>Nature</i> , 2018, 560, 372-376.	27.8	170
9	TGF β^2 -induced metabolic reprogramming during epithelial-to-mesenchymal transition in cancer. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 2103-2123.	5.4	152
10	Microbiota-derived short chain fatty acids modulate microglia and promote A β^2 plaque deposition. <i>ELife</i> , 2021, 10, .	6.0	148
11	Multiresidue analytical method using dispersive solid-phase extraction and gas chromatography/ion trap mass spectrometry to determine pharmaceuticals in whole blood. <i>Journal of Chromatography A</i> , 2006, 1135, 19-26.	3.7	144
12	Recent Advancements in the LC- and GC-Based Analysis of Malondialdehyde (MDA): A Brief Overview. <i>Chromatographia</i> , 2012, 75, 433-440.	1.3	137
13	Isoprostanes, neuroprostanes and phytoprostanes: An overview of 25 years of research in chemistry and biology. <i>Progress in Lipid Research</i> , 2017, 68, 83-108.	11.6	130
14	Quantitative NMR analysis of intra- and extracellular metabolism of mammalian cells: A tutorial. <i>Analytica Chimica Acta</i> , 2017, 980, 1-24.	5.4	109
15	Analytical pitfalls and challenges in clinical metabolomics. <i>Bioanalysis</i> , 2016, 8, 1509-1532.	1.5	83
16	Dectin-1-induced autocrine PGE2 signaling licenses dendritic cells to prime Th2 responses. <i>PLoS Biology</i> , 2018, 16, e2005504.	5.6	79
17	Disruptions of Anaerobic Gut Bacteria Are Associated with Stroke and Post-stroke Infection: a Prospective Case-Control Study. <i>Translational Stroke Research</i> , 2021, 12, 581-592.	4.2	75
18	GC-MS Analysis of Short-Chain Fatty Acids in Feces, Cecum Content, and Blood Samples. <i>Methods in Molecular Biology</i> , 2018, 1730, 247-256.	0.9	72

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19	Adipocyte-derived lipids modulate CD4 ⁺ T cell function. <i>European Journal of Immunology</i> , 2013, 43, 1578-1587.	2.9	71
20	Shear Stress Regulation of Endothelial Glycocalyx Structure Is Determined by Glucobiosynthesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 350-364.	2.4	71
21	Dietary Mannan Oligosaccharides Modulate Gut Microbiota, Increase Fecal Bile Acid Excretion, and Decrease Plasma Cholesterol and Atherosclerosis Development. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700942.	3.3	67
22	Inhibition of cholesterol biosynthesis disrupts lipid raft/caveolae and affects insulin receptor activation in 3T3-L1 preadipocytes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1731-1739.	2.6	65
23	Recent advances in metabolomics analysis for early drug development. <i>Drug Discovery Today</i> , 2022, 27, 1763-1773.	6.4	64
24	Advances in mass spectrometry-based post-column bioaffinity profiling of mixtures. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2655-2668.	3.7	63
25	Amino acid analysis using chromatography-mass spectrometry: An inter platform comparison study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 114, 398-407.	2.8	60
26	Resolution of inflammation and sepsis survival are improved by dietary ω -3 fatty acids. <i>Cell Death and Differentiation</i> , 2018, 25, 421-431.	11.2	60
27	Protein costs do not explain evolution of metabolic strategies and regulation of ribosomal content: does protein investment explain an anaerobic bacterial C-ratree effect?. <i>Molecular Microbiology</i> , 2015, 97, 77-92.	2.5	57
28	AMPK-ACC signaling modulates platelet phospholipids and potentiates thrombus formation. <i>Blood</i> , 2018, 132, 1180-1192.	1.4	57
29	The neuroimmune guidance cue netrin-1 controls resolution programs and promotes liver regeneration. <i>Hepatology</i> , 2016, 63, 1689-1705.	7.3	55
30	Targeted lipidomics reveals activation of resolution pathways in knee osteoarthritis in humans. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1150-1160.	1.3	52
31	The whipworm (<i>Trichuris suis</i>) secretes prostaglandin E2 to suppress proinflammatory properties in human dendritic cells. <i>FASEB Journal</i> , 2017, 31, 719-731.	0.5	52
32	Antifungal drug testing by combining minimal inhibitory concentration testing with target identification by gas chromatography-mass spectrometry. <i>Nature Protocols</i> , 2017, 12, 947-963.	12.0	48
33	The <i>Schistosoma mansoni</i> lipidome: Leads for immunomodulation. <i>Analytica Chimica Acta</i> , 2018, 1037, 107-118.	5.4	46
34	A DMS Shotgun Lipidomics Workflow Application to Facilitate High-Throughput, Comprehensive Lipidomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2655-2663.	2.8	46
35	Microfractionation Revisited: A 1536 Well High Resolution Screening Assay. <i>Analytical Chemistry</i> , 2009, 81, 5460-5466.	6.5	45
36	Fast and easy in vitro screening assay for cholesterol biosynthesis inhibitors in the post-squalene pathway. <i>Steroids</i> , 2007, 72, 633-642.	1.8	44

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37	Haloperidol disrupts lipid rafts and impairs insulin signaling in SH-SY5Y cells. <i>Neuroscience</i> , 2010, 167, 143-153.	2.3	44
38	Derivatization of the tricarboxylic acid cycle intermediates and analysis by online solid-phase extraction-liquid chromatography-mass spectrometry with positive-ion electrospray ionization. <i>Journal of Chromatography A</i> , 2012, 1232, 19-26.	3.7	43
39	A convenient cellular assay for the identification of the molecular target of ergosterol biosynthesis inhibitors and quantification of their effects on total ergosterol biosynthesis. <i>Steroids</i> , 2013, 78, 483-493.	1.8	41
40	Adipocytes Modulate the Phenotype of Human Macrophages through Secreted Lipids. <i>Journal of Immunology</i> , 2013, 191, 1356-1363.	0.8	41
41	Evaluation of different column chemistries for fast urinary metabolic profiling. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 927, 90-96.	2.3	40
42	Cross-Laboratory Standardization of Preclinical Lipidomics Using Differential Mobility Spectrometry and Multiple Reaction Monitoring. <i>Analytical Chemistry</i> , 2021, 93, 16369-16378.	6.5	40
43	The Effect of Initial High vs. Low FiO ₂ on Breathing Effort in Preterm Infants at Birth: A Randomized Controlled Trial. <i>Frontiers in Pediatrics</i> , 2019, 7, 504.	1.9	39
44	Increased PUFA Content and 5-Lipoxygenase Pathway Expression Are Associated with Subcutaneous Adipose Tissue Inflammation in Obese Women with Type 2 Diabetes. <i>Nutrients</i> , 2015, 7, 7676-7690.	4.1	38
45	Effects of anticoagulants and storage conditions on clinical oxylipid levels in human plasma. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 1511-1522.	2.4	38
46	Inhibition of β -24-dehydrocholesterol reductase activates pro-resolving lipid mediator biosynthesis and inflammation resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20623-20634.	7.1	38
47	Sympathetic nervous system controls resolution of inflammation via regulation of repulsive guidance molecule A. <i>Nature Communications</i> , 2019, 10, 633.	12.8	38
48	Prolonged niacin treatment leads to increased adipose tissue PUFA synthesis and anti-inflammatory lipid and oxylipin plasma profile. <i>Journal of Lipid Research</i> , 2014, 55, 2532-2540.	4.2	37
49	Analysis of biologically-active, endogenous carboxylic acids based on chromatography-mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 61, 17-28.	11.4	37
50	Development of a microfluidic confocal fluorescence detection system for the hyphenation of nano-LC to on-line biochemical assays. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 3023-3032.	3.7	36
51	Differential Mobility Separation of Leukotrienes and Protectins. <i>Analytical Chemistry</i> , 2015, 87, 5036-5040.	6.5	36
52	Metabolite discovery: Biochemistry's scientific driver. <i>Cell Metabolism</i> , 2022, 34, 21-34.	16.2	36
53	Derivatization of carboxylic acids with 4-APEBA for detection by positive-ion LC-ESI-MS(/MS) applied for the analysis of prostanoids and NSAID in urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 1393-1401.	2.3	35
54	Integrative Transkingdom Analysis of the Gut Microbiome in Antibiotic Perturbation and Critical Illness. <i>MSystems</i> , 2021, 6, .	3.8	35

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55	Recent advances in liquidâ€phase separations for clinical metabolomics. <i>Journal of Separation Science</i> , 2017, 40, 93-108.	2.5	34
56	Anti-Inflammatory and Proresolving Effects of the Omega-6 Polyunsaturated Fatty Acid Adrenic Acid. <i>Journal of Immunology</i> , 2020, 205, 2840-2849.	0.8	33
57	Side chain azasteroids and thiasteroids as sterol methyltransferase inhibitors in ergosterol biosynthesis. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 8123-8137.	3.0	32
58	Development of an online p38Î± mitogen-activated protein kinase binding assay and integration of LCâ€HR-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1771-1780.	3.7	32
59	Lathosterol side chain amidesâ€”A new class of human lathosterol oxidase inhibitors. <i>Steroids</i> , 2008, 73, 299-308.	1.8	29
60	Sema7A is crucial for resolution of severe inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	29
61	Protein digestion optimization for characterization of drugâ€protein adducts using response surface modeling. <i>Journal of Chromatography A</i> , 2011, 1218, 1715-1723.	3.7	28
62	Comprehensive gas chromatographyâ€electron ionisation mass spectrometric analysis of fatty acids and sterols using sequential oneâ€pot silylation: quantification and isotopologue analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1507-1514.	1.5	28
63	Inhibition of neogenin fosters resolution of inflammation and tissue regeneration. <i>Journal of Clinical Investigation</i> , 2018, 128, 4711-4726.	8.2	28
64	Lipid metabolism of leukocytes in the unstimulated and activated states. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2353-2363.	3.7	28
65	A gas chromatographyâ€mass spectrometry-based whole-cell screening assay for target identification in distal cholesterol biosynthesis. <i>Nature Protocols</i> , 2019, 14, 2546-2570.	12.0	27
66	High temperature liquid chromatography hyphenated with ESI-MS and ICP-MS detection for the structural characterization and quantification of halogen containing drug metabolites. <i>Analytica Chimica Acta</i> , 2011, 698, 69-76.	5.4	26
67	The prebiotic inulin modulates gut microbiota but does not ameliorate atherosclerosis in hypercholesterolemic APOE*3-Leiden.CETP mice. <i>Scientific Reports</i> , 2018, 8, 16515.	3.3	26
68	Dynamic differences in dietary polyunsaturated fatty acid metabolism in sputum of COPD patients and controls. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 224-233.	2.4	26
69	Stability-indicating study of the anti-Alzheimer's drug galantamine hydrobromide. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 85-92.	2.8	25
70	On-Line Electrochemical Reduction of Disulfide Bonds: Improved FTICR-CID and -ETD Coverage of Oxytocin and Hepcidin. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1980-1987.	2.8	25
71	Disturbed brain ether lipid metabolism and histology in <sc>SjÃ¶grenâ€Larsson</sc> syndrome. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 1265-1278.	3.6	25
72	Lung emphysema and impaired macrophage elastase clearance in mucolin 3 deficient mice. <i>Nature Communications</i> , 2022, 13, 318.	12.8	25

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73	Automated quantification of metabolites in blood-derived samples by NMR. <i>Analytica Chimica Acta</i> , 2017, 976, 52-62.	5.4	22
74	Probing the Genome-Scale Metabolic Landscape of <i>Bordetella pertussis</i> , the Causative Agent of Whooping Cough. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	21
75	KIMBLE: A versatile visual NMR metabolomics workbench in KNIME. <i>Analytica Chimica Acta</i> , 2018, 1044, 66-76.	5.4	21
76	Mild and selective labeling of malondialdehyde with 2-aminoacridone: assessment of urinary malondialdehyde levels. <i>Analyst</i> , The, 2011, 136, 2763.	3.5	20
77	Analysis of acetylcholinesterase inhibitors: bioanalysis, degradation and metabolism. <i>Biomedical Chromatography</i> , 2011, 25, 278-299.	1.7	20
78	Results of an explorative clinical evaluation suggest immediate and persistent post-reperfusion metabolic paralysis drives kidney ischemia reperfusion injury. <i>Kidney International</i> , 2020, 98, 1476-1488.	5.2	20
79	Trans-right ventricle and transpulmonary metabolite gradients in human pulmonary arterial hypertension. <i>Heart</i> , 2020, 106, 1332-1341.	2.9	20
80	Glutathione Metabolism Contributes to the Induction of Trained Immunity. <i>Cells</i> , 2021, 10, 971.	4.1	20
81	GC-MS Analysis of Medium- and Long-Chain Fatty Acids in Blood Samples. <i>Methods in Molecular Biology</i> , 2018, 1730, 257-265.	0.9	19
82	<i>Schistosoma haematobium</i> infection is associated with lower serum cholesterol levels and improved lipid profile in overweight/obese individuals. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008464.	3.0	19
83	Neutral Loss Mass Spectral Data Enhances Molecular Similarity Analysis in METLIN. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 530-534.	2.8	19
84	Acute phase inflammation is characterized by rapid changes in plasma/peritoneal fluid N-glycosylation in mice. <i>Glycoconjugate Journal</i> , 2016, 33, 457-470.	2.7	18
85	Eicosanoid biosynthesis influences the virulence of <i>Candida parapsilosis</i> . <i>Virulence</i> , 2018, 9, 1019-1035.	4.4	18
86	On-line electrochemistryâ€bioaffinity screening with parallel HR-LC-MS for the generation and characterization of modified p38Î± kinase inhibitors. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 367-375.	3.7	17
87	An Advanced LCâ€MS/MS Platform for the Analysis of Specialized Pro-Resolving Lipid Mediators. <i>Chromatographia</i> , 2015, 78, 391-401.	1.3	17
88	The Role of Innate Immunity and Bioactive Lipid Mediators in COVID-19 and Influenza. <i>Frontiers in Physiology</i> , 2021, 12, 688946.	2.8	16
89	Krill Oil Treatment Increases Distinct PUFAs and Oxylipins in Adipose Tissue and Liver and Attenuates Obesity-Associated Inflammation via Direct and Indirect Mechanisms. <i>Nutrients</i> , 2021, 13, 2836.	4.1	16
90	GPR120 prevents colorectal adenocarcinoma progression by sustaining the mucosal barrier integrity. <i>Scientific Reports</i> , 2022, 12, 381.	3.3	16

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91	Identification of the Biotransformation Products of 2-Ethylhexyl 4-(N,N-Dimethylamino)benzoate. <i>Chromatographia</i> , 2010, 71, 55-63.	1.3	15
92	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-MS ³ : Detection of Esterified Hydroxylated Docosapentaenoic Acid Containing Phospholipids. <i>Analytical Chemistry</i> , 2013, 85, 6003-6010.	6.5	15
93	Scientific workflow managers in metabolomics: an overview. <i>Analyst</i> , 2020, 145, 3801-3808.	3.5	15
94	Structural elucidation of biologically active neomycin octyl derivatives in a regioisomeric mixture by means of liquid chromatography/ion trap time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1439-1446.	1.5	14
95	Identification and quantification of drug-albumin adducts in serum samples from a drug exposure study in mice. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 917-918, 53-61.	2.3	14
96	Analysis and Experimental Inhibition of Distal Cholesterol Biosynthesis. <i>Chromatographia</i> , 2015, 78, 343-358.	1.3	14
97	New chemotype of selective and potent inhibitors of human delta 24-dehydrocholesterol reductase. <i>European Journal of Medicinal Chemistry</i> , 2017, 140, 305-320.	5.5	14
98	Comparison of Strategies for the Determination of Sterol Sulfates via GC-MS Leading to a Novel Deconjugation-Derivatization Protocol. <i>Molecules</i> , 2019, 24, 2353.	3.8	14
99	Reproducibility of Targeted Lipidome Analyses (Lipidyzer) in Plasma and Erythrocytes over a 6-Week Period. <i>Metabolites</i> , 2021, 11, 26.	2.9	14
100	Dehydrocholesterol Reductase 24 (DHCR24): Medicinal Chemistry, Pharmacology and Novel Therapeutic Options. <i>Current Medicinal Chemistry</i> , 2022, 29, 4005-4025.	2.4	13
101	Squalene-Tetrahymanol Cyclase Expression Enables Sterol-Independent Growth of <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	12
102	Virgin Olive Oil Phenolic Compounds Modulate the HDL Lipidome in Hypercholesterolaemic Subjects: A Lipidomic Analysis of the VOHF Study. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2001192.	3.3	12
103	Fungal sterol C22-desaturase is not an antimycotic target as shown by selective inhibitors and testing on clinical isolates. <i>Steroids</i> , 2015, 101, 1-6.	1.8	11
104	Metabolic reprogramming related to whole-chromosome instability in models for H ₁ cell carcinoma. <i>Scientific Reports</i> , 2020, 10, 9578.	3.3	11
105	Lowering the increased intracellular pH of human-induced pluripotent stem cell-derived endothelial cells induces formation of mature Weibel-Palade bodies. <i>Stem Cells Translational Medicine</i> , 2020, 9, 758-772.	3.3	11
106	A hypomorphic Cbx3 allele causes prenatal growth restriction and perinatal energy homeostasis defects. <i>Journal of Biosciences</i> , 2015, 40, 325-338.	1.1	10
107	Proteomic identification of Axc, a novel beta-lactamase with carbapenemase activity in a meropenem-resistant clinical isolate of <i>Achromobacter xylosoxidans</i> . <i>Scientific Reports</i> , 2018, 8, 8181.	3.3	10
108	Therapeutic iloprost for the treatment of acute respiratory distress syndrome (ARDS) (the Thilo) Tj ETQqO O O rgBT /Overlock 10 Tf 50 62	1.6	10

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109	Comprehensive (apo)lipoprotein profiling in patients with genetic hypertriglyceridemia using LC-MS and NMR spectroscopy. <i>Journal of Clinical Lipidology</i> , 2022, 16, 472-482.	1.5	10
110	The Human Milk Oligosaccharide 2- α -Fucosyllactose Alleviates Liver Steatosis, ER Stress and Insulin Resistance by Reducing Hepatic Diacylglycerols and Improved Gut Permeability in Obese Ldlr ^{-/-} Leiden Mice. <i>Frontiers in Nutrition</i> , 0, 9, .	3.7	10
111	Natural killer cells play an essential role in resolution of antigen-induced inflammation in mice. <i>Molecular Immunology</i> , 2018, 93, 1-8.	2.2	9
112	Cannabinoid type 1 receptor inverse agonism attenuates dyslipidemia and atherosclerosis in APOE ⁻³ -Leiden.CETP mice. <i>Journal of Lipid Research</i> , 2021, 62, 100070.	4.2	9
113	Effects of a novel polyphenol-rich plant extract on body composition, inflammation, insulin sensitivity, and glucose homeostasis in obese mice. <i>International Journal of Obesity</i> , 2021, 45, 2016-2027.	3.4	9
114	Single Quadrupole Multiple Fragment Ion Monitoring Quantitative Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 10879-10889.	6.5	9
115	A squalene α -hopene cyclase in <i>Schizosaccharomyces japonicus</i> represents a eukaryotic adaptation to sterol-limited anaerobic environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
116	F ₂ -Isoprostanes in HDL are bound to neutral lipids and phospholipids. <i>Free Radical Research</i> , 2016, 50, 1374-1385.	3.3	8
117	Lipase-catalyzed kinetic resolution as key step in the synthesis of enantiomerically pure If ligands with 2-benzopyran structure. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3384-3395.	3.0	8
118	Bis-allylic Deuterated DHA Alleviates Oxidative Stress in Retinal Epithelial Cells. <i>Antioxidants</i> , 2019, 8, 447.	5.1	8
119	Photo-controlled delivery of very long chain fatty acids to cell membranes and modulation of membrane protein function. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183200.	2.6	8
120	Regular Dietary Intake of Palmitate Causes Vascular and Valvular Calcification in a Rabbit Model. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 692184.	2.4	8
121	Metabolomic and lipidomic signatures associated with activation of human cDC1 (BDCA3 ⁺ /CD141 ⁺) dendritic cells. <i>Immunology</i> , 2022, 165, 99-109.	4.4	8
122	The association of the lipid profile with knee and hand osteoarthritis severity: the IMI-APPROACH cohort. <i>Osteoarthritis and Cartilage</i> , 2022, 30, 1062-1069.	1.3	8
123	New insights into energy and protein homeostasis by the kidney. <i>Nature Reviews Nephrology</i> , 2019, 15, 596-598.	9.6	7
124	Redirected nuclear glutamate dehydrogenase supplies Tet3 with α -ketoglutarate in neurons. <i>Nature Communications</i> , 2021, 12, 4100.	12.8	7
125	Metabolic Reprogramming of Mammary Epithelial Cells during TGF- β -Induced Epithelial-to-Mesenchymal Transition. <i>Metabolites</i> , 2021, 11, 626.	2.9	7
126	Metabolite-Induced Protein Expression Guided by Metabolomics and Systems Biology. <i>Cell Metabolism</i> , 2018, 27, 270-272.	16.2	6

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127	Platelet Acetyl-CoA Carboxylase Phosphorylation. <i>JACC Basic To Translational Science</i> , 2019, 4, 596-610.	4.1	6
128	High vs. Low Initial Oxygen to Improve the Breathing Effort of Preterm Infants at Birth: Study Protocol for a Randomized Controlled Trial. <i>Frontiers in Pediatrics</i> , 2019, 7, 179.	1.9	6
129	Metabolic Analysis of Vitreous/Lens and Retina in Wild Type and Retinal Degeneration Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2345.	4.1	6
130	Spatially resolved sampling for untargeted metabolomics: A new tool for salivomics. <i>IScience</i> , 2021, 24, 102768.	4.1	6
131	Proteomics with Enhanced In-Source Fragmentation/Annotation: Applying XCMS-EISA Informatics and Q-MRM High-Sensitivity Quantification. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2644-2654.	2.8	6
132	Human umbilical cord mesenchymal stem cell-derived treatment of severe pulmonary arterial hypertension. , 2022, 1, 568-576.		6
133	Photohuperzine A – A new photoisomer of huperzine A: Structure elucidation, formation kinetics and activity assessment. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 190-194.	2.8	5
134	Comparison of (bio-)transformation methods for the generation of metabolite-like compound libraries of p38 MAP kinase inhibitors using high-resolution screening. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 88, 235-244.	2.8	5
135	Bioanalytical derivatization: is there still room for development?. <i>Bioanalysis</i> , 2015, 7, 2439-2441.	1.5	5
136	Metabolic liver inflammation in obesity does not robustly decrease hepatic and circulating CETP. <i>Atherosclerosis</i> , 2018, 275, 149-155.	0.8	5
137	Toll-like receptor signaling induces a temporal switch towards a resolving lipid profile in monocyte-derived macrophages. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158740.	2.4	5
138	Adrenic acid as a novel anti-inflammatory player in osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2018, 26, S126.	1.3	4
139	Butyrate via the gut-brain neural circuit reduces appetite and activates brown adipose tissue. <i>Atherosclerosis</i> , 2018, 275, e15-e16.	0.8	4
140	Altered Patterns of Compositional and Functional Disruption of the Gut Microbiota in Typhoid Fever and Nontyphoidal Febrile Illness. <i>Open Forum Infectious Diseases</i> , 2020, 7, ofaa251.	0.9	4
141	Dietary Fish Oil Increases the Number of CD11b+CD27 ^{hi} NK Cells at the Inflammatory Site and Enhances Key Hallmarks of Resolution of Murine Antigen-Induced Peritonitis. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 311-324.	3.5	4
142	Acetyl-CoA Carboxylase Inhibitor CP640.186 Increases Tubulin Acetylation and Impairs Thrombin-Induced Platelet Aggregation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13129.	4.1	4
143	First Total Synthesis of Ergosta-5,8-dien-3 β -ol. <i>Scientia Pharmaceutica</i> , 2008, 76, 599-604.	2.0	3
144	Hyaluronidase treatment of synovial fluid is required for accurate detection of inflammatory cells and soluble mediators. <i>Arthritis Research and Therapy</i> , 2022, 24, 18.	3.5	3

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145	Spatially resolved sampling of the human oral cavity for metabolic profiling. STAR Protocols, 2021, 2, 101002.	1.2	3
146	Generating Heterokaryotic Cells via Bacterial Cell-Cell Fusion. Microbiology Spectrum, 2022, 10, .	3.0	3
147	Recent Developments in Clinical Omics. Chromatographia, 2015, 78, 305-306.	1.3	2
148	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
149	Mild Exercise Does Not Prevent Atherosclerosis in APOE*3–Leiden.CETP Mice or Improve Lipoprotein Profile of Men with Obesity. Obesity, 2020, 28, S93-S103.	3.0	2
150	Disturbed fatty acid metabolism in airway secretions of patients with Chronic Obstructive Pulmonary Disease. , 2017, , .		2
151	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
152	Specialized pro-resolving lipid mediators in osteoarthritis patients: Evidence for an anti-inflammatory role. Osteoarthritis and Cartilage, 2015, 23, A261-A262.	1.3	1
153	Bioactive lipids in osteoarthritis patients: a novel way to look at chronic inflammation. Osteoarthritis and Cartilage, 2016, 24, S33-S34.	1.3	1
154	A Temporal switch towards a more resolving chronic 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
155	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
156	Editorial: Quo Vadis Lipid Mediators “ Lipid Mediators Implication in Inflammation and Chronic Inflammatory Diseases. Frontiers in Immunology, 2021, 12, 699276.	4.8	1
157	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
158	A4.2–Adipocytes Modulate T Cell Function through Release of Lipids. Annals of the Rheumatic Diseases, 2013, 72, A24.1-A24.	0.9	0
159	03.19–Mast cells are reprogrammed through repeated triggering. , 2017, , .		0
160	THU0057–Lipid profiling of plasma in rheumatoid arthritis patients by liquid chromatography“tandem mass spectrometry. , 2017, , .		0
161	Hormones: Eicosanoids. , 2017, , 259-259.		0
162	17–24-Dehydrocholesterol reductase (DHCR24): A novel target for the treatment of nash. Atherosclerosis, 2020, 315, e11.	0.8	0

#	ARTICLE	IF	CITATIONS
163	Cigarette smoke reduces pro-resolving omega-6 metabolite production by cultured human primary bronchial epithelial cells. , 2015, , .		0
164	SAT0028â€¦The importance of proper handling of human synovial fluid for arthritis research. , 2018, , .		0
165	Title is missing!. , 2020, 14, e0008464.		0
166	Title is missing!. , 2020, 14, e0008464.		0
167	Title is missing!. , 2020, 14, e0008464.		0
168	Title is missing!. , 2020, 14, e0008464.		0