

# Fong-Fu Hsu

## List of Publications by Year in descending order

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194  
papers

16,180  
citations

11908

72  
h-index

20023

121  
g-index

205  
all docs

205  
docs citations

205  
times ranked

19637  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of <i>Mycobacterium tuberculosis</i> Mycolic Acids by Multiple-Stage Linear Ion-Trap Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 149-159.	1.2	3
2	Lipidomics Analysis of Outer Membrane Vesicles and Elucidation of the Inositol Phosphoceramide Biosynthetic Pathway in <i>Bacteroides thetaiotaomicron</i> . <i>Microbiology Spectrum</i> , 2022, 10, e0063421.	1.2	24
3	Structural characterization of phospholipids and sphingolipids by in-source fragmentation MALDI/TOF mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 2089-2102.	1.9	8
4	Electrospray ionization with higher-energy collision dissociation tandem mass spectrometry toward characterization of ceramides as $[M\dot{A}+Li]^+$ ions: Mechanisms of fragmentation and structural identification. <i>Analytica Chimica Acta</i> , 2021, 1142, 221-234.	2.6	9
5	CEPT1-Mediated Phospholipogenesis Regulates Endothelial Cell Function and Ischemia-Induced Angiogenesis Through PPAR $\alpha$ . <i>Diabetes</i> , 2021, 70, 549-561.	0.3	11
6	Mass Spectrometry-Based Lipidomics: An Overview. <i>Methods in Molecular Biology</i> , 2021, 2306, 1-10.	0.4	2
7	Endothelial ether lipids link the vasculature to blood pressure, behavior, and neurodegeneration. <i>Journal of Lipid Research</i> , 2021, 62, 100079.	2.0	5
8	Mass Spectrometry-Based Shotgun Lipidomics Using Charge-Switch Derivatization for Analysis of Complex Long-Chain Fatty Acids. <i>Methods in Molecular Biology</i> , 2021, 2306, 93-103.	0.4	1
9	Ceramide Analysis by Multiple Linked-Scan Mass Spectrometry Using a Tandem Quadrupole Instrument. <i>Methods in Molecular Biology</i> , 2021, 2306, 123-137.	0.4	1
10	Comprehensive Mouse Skin Ceramide Analysis on a Solid-Phase and TLC Separation with High-Resolution Mass Spectrometry Platform. <i>Methods in Molecular Biology</i> , 2021, 2306, 139-155.	0.4	0
11	De Novo Synthesis of Phosphatidylcholine Is Essential for the Promastigote But Not Amastigote Stage in <i>Leishmania major</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 647870.	1.8	16
12	Targeting a Radiosensitizing Antibody-Drug Conjugate to a Radiation-Inducible Antigen. <i>Clinical Cancer Research</i> , 2021, 27, 3224-3233.	3.2	9
13	Glucose-mediated de novo lipogenesis in photoreceptors drives early diabetic retinopathy. <i>Journal of Biological Chemistry</i> , 2021, 297, 101104.	1.6	5
14	Characterization of the Uncommon Lipid Families in <i>Corynebacterium glutamicum</i> by Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2021, 2306, 227-238.	0.4	2
15	Complete Characterization of Polyacyltrehaloses from <i>Mycobacterium tuberculosis</i> H37Rv Biofilm Cultures by Multiple-Stage Linear Ion-Trap Mass Spectrometry Reveals a New Tetracyltrehalose Family. <i>Biochemistry</i> , 2021, 60, 381-397.	1.2	5
16	Shotgun Lipidomic Analysis of <i>Leishmania</i> Cells. <i>Methods in Molecular Biology</i> , 2021, 2306, 215-225.	0.4	3
17	Unveiling the biodiversity of lipid species in <i>Corynebacteria</i> - characterization of the uncommon lipid families in <i>C. glutamicum</i> and pathogen <i>C. striatum</i> by mass spectrometry. <i>Biochimie</i> , 2020, 178, 158-169.	1.3	5
18	Lathosterol Oxidase (Sterol C-5 Desaturase) Deletion Confers Resistance to Amphotericin B and Sensitivity to Acidic Stress in <i>Leishmania major</i> . <i>MSphere</i> , 2020, 5, .	1.3	7

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19	Alpha-crystallin mutations alter lens metabolites in mouse models of human cataracts. <i>PLoS ONE</i> , 2020, 15, e0238081.	1.1	12
20	Revelation of Acyl Double Bond Positions on Fatty Acyl Coenzyme A Esters by MALDI/TOF Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1047-1057.	1.2	4
21	Structural Determination of a New Peptidolipid Family from <i>Rhodococcus opacus</i> and the Pathogen <i>Rhodococcus equi</i> by Multiple Stage Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 611-623.	1.2	3
22	Loss of lipin 1-mediated phosphatidic acid phosphohydrolase activity in muscle leads to skeletal myopathy in mice. <i>FASEB Journal</i> , 2019, 33, 652-667.	0.2	30
23	Palmitic Acid-Rich High-Fat Diet Exacerbates Experimental Pulmonary Fibrosis by Modulating Endoplasmic Reticulum Stress. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 737-746.	1.4	73
24	Fatty acid transport protein 4 is required for incorporation of saturated ultralong-chain fatty acids into epidermal ceramides and monoacylglycerols. <i>Scientific Reports</i> , 2019, 9, 13254.	1.6	17
25	N-acyl-O-phosphocholineserines: structures of a novel class of lipids that are biomarkers for Niemann-Pick C1 disease. <i>Journal of Lipid Research</i> , 2019, 60, 1410-1424.	2.0	31
26	Phosphatidylcholine synthesis through cholinephosphate cytidylyltransferase is dispensable in <i>Leishmania major</i> . <i>Scientific Reports</i> , 2019, 9, 7602.	1.6	17
27	PrfA activation in <i>Listeria monocytogenes</i> increases the sensitivity to class IIa bacteriocins despite impaired expression of the bacteriocin receptor. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1283-1291.	1.1	7
28	Multiple-stage Precursor Ion Separation and High Resolution Mass Spectrometry toward Structural Characterization of 2,3-Diacyltrehalose Family from <i>Mycobacterium tuberculosis</i> . <i>Separations</i> , 2019, 6, 4.	1.1	7
29	Aldehyde adducts inhibit 3,4-dihydroxyphenylacetaldehyde-induced $\alpha$ -synuclein aggregation and toxicity: Implication for Parkinson neuroprotective therapy. <i>European Journal of Pharmacology</i> , 2019, 845, 65-73.	1.7	18
30	Sterol methyltransferase is required for optimal mitochondrial function and virulence in <i>Leishmania major</i> . <i>Molecular Microbiology</i> , 2019, 111, 65-81.	1.2	39
31	Peroxisome-derived lipids regulate adipose thermogenesis by mediating cold-induced mitochondrial fission. <i>Journal of Clinical Investigation</i> , 2019, 129, 694-711.	3.9	95
32	Direct binding of phosphatidylglycerol at specific sites modulates desensitization of a ligand-gated ion channel. <i>ELife</i> , 2019, 8, .	2.8	34
33	Diabetes adversely affects phospholipid profiles in human carotid artery endarterectomy plaques. <i>Journal of Lipid Research</i> , 2018, 59, 730-738.	2.0	13
34	Cyclopropane fatty acid synthesis affects cell shape and acid resistance in <i>Leishmania mexicana</i> . <i>International Journal for Parasitology</i> , 2018, 48, 245-256.	1.3	11
35	Lipid metabolism of phenol-tolerant <i>Rhodococcus opacus</i> strains for lignin bioconversion. <i>Biotechnology for Biofuels</i> , 2018, 11, 339.	6.2	23
36	<i>Mycobacterium tuberculosis</i> carrying a rifampicin drug resistance mutation reprograms macrophage metabolism through cell wall lipid changes. <i>Nature Microbiology</i> , 2018, 3, 1099-1108.	5.9	90

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37	Characterization of Long-Chain Fatty Acid as N-(4-Aminomethylphenyl) Pyridinium Derivative by MALDI LIFT-TOF/TOF Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1688-1699.	1.2	19
38	Mass spectrometry-based shotgun lipidomics – a critical review from the technical point of view. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6387-6409.	1.9	103
39	Mechanism of High-Level Daptomycin Resistance in <i>Corynebacterium striatum</i> . <i>MSphere</i> , 2018, 3, .	1.3	28
40	Retinal de novo lipogenesis coordinates neurotrophic signaling to maintain vision. <i>JCI Insight</i> , 2018, 3, .	2.3	18
41	Evaluation of cardiolipin nanodisks as lipid replacement therapy for Barth syndrome. <i>Journal of Biomedical Research</i> , 2018, 32, 107-112.	0.7	14
42	Linear ion-trap MSn with high-resolution MS reveals structural diversity of 1-O-acylceramide family in mouse epidermis. <i>Journal of Lipid Research</i> , 2017, 58, 772-782.	2.0	11
43	<i>Mycobacterium tuberculosis</i> is protected from NADPH oxidase and LC3-associated phagocytosis by the LCP protein CpsA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8711-E8720.	3.3	138
44	PexRAP Inhibits PRDM16-Mediated Thermogenic Gene Expression. <i>Cell Reports</i> , 2017, 20, 2766-2774.	2.9	32
45	Plasmenylethanolamine synthesis in <i>Leishmania major</i> . <i>Molecular Microbiology</i> , 2016, 101, 238-249.	1.2	16
46	Wnt Protein Signaling Reduces Nuclear Acetyl-CoA Levels to Suppress Gene Expression during Osteoblast Differentiation. <i>Journal of Biological Chemistry</i> , 2016, 291, 13028-13039.	1.6	43
47	Accumulation of long-chain bases in yeast promotes their conversion to a long-chain base vinyl ether. <i>Journal of Lipid Research</i> , 2016, 57, 2040-2050.	2.0	3
48	Complete structural characterization of ceramides as [M+H] <sup>+</sup> ions by multiple-stage linear ion trap mass spectrometry. <i>Biochimie</i> , 2016, 130, 63-75.	1.3	43
49	Development of a bile acid-based newborn screen for Niemann-Pick disease type C. <i>Science Translational Medicine</i> , 2016, 8, 337ra63.	5.8	89
50	Characterization of phthiocerol and phthiodiolone dimycocerosate esters of <i>M. tuberculosis</i> by multiple-stage linear ion-trap MS. <i>Journal of Lipid Research</i> , 2016, 57, 142-155.	2.0	19
51	Characterization of Hydroxyphthioceranoic and Phthioceranoic Acids by Charge-Switch Derivatization and CID Tandem Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 622-632.	1.2	17
52	Peroxisomal Lipid Synthesis Regulates Inflammation by Sustaining Neutrophil Membrane Phospholipid Composition and Viability. <i>Cell Metabolism</i> , 2015, 21, 51-64.	7.2	76
53	Characterization of polar lipids of <i>Listeria monocytogenes</i> by HCD and low-energy CAD linear ion-trap mass spectrometry with electrospray ionization. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2519-2528.	1.9	26
54	Exogenous cardiolipin localizes to mitochondria and prevents TAZ knockdown-induced apoptosis in myeloid progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 580-585.	1.0	28

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55	Malaria Parasites Produce Volatile Mosquito Attractants. <i>MBio</i> , 2015, 6, .	1.8	61
56	Identification of a Potent Microbial Lipid Antigen for Diverse NKT Cells. <i>Journal of Immunology</i> , 2015, 195, 2540-2551.	0.4	40
57	Sterol Biosynthesis Is Required for Heat Resistance but Not Extracellular Survival in <i>Leishmania</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004427.	2.1	57
58	Multiple-stage linear ion-trap with high resolution mass spectrometry towards complete structural characterization of phosphatidylethanolamines containing cyclopropane fatty acyl chain in <i>Leishmania infantum</i> . <i>Journal of Mass Spectrometry</i> , 2014, 49, 201-209.	0.7	23
59	Activation of iNKT cells by a distinct constituent of the endogenous glucosylceramide fraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13433-13438.	3.3	83
60	Memory CD8+ T Cells Use Cell-Intrinsic Lipolysis to Support the Metabolic Programming Necessary for Development. <i>Immunity</i> , 2014, 41, 75-88.	6.6	650
61	Structural Distinction of Diacyl-, Alkylacyl, and Alk-1-Enylacyl Glycerophosphocholines as [M + 15] <sup>+</sup> Ions by Multiple-Stage Linear Ion-Trap Mass Spectrometry with Electrospray Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1412-1420.	1.2	25
62	Characterization of mycobacterial triacylglycerols and monomeromycolyl diacylglycerols from <i>Mycobacterium smegmatis</i> biofilm by electrospray ionization multiple-stage and high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7415-7426.	1.9	16
63	Development and validation of LC-MS/MS method for determination of very long acyl chain (C22:0 and Tj ETQq1 1,0,784314 rgBT /C	1.9	26
64	Sphingosine kinase A is a pleiotropic and essential enzyme for <i>Leishmania</i> survival and virulence. <i>Molecular Microbiology</i> , 2013, 90, 489-501.	1.2	9
65	Diversion of phagosome trafficking by pathogenic <i>Rhodococcus equi</i> depends on mycolic acid chain length. <i>Cellular Microbiology</i> , 2013, 15, 458-473.	1.1	21
66	Structural studies on archaeal phytanyl-ether lipids isolated from membranes of extreme halophiles by linear ion-trap multiple-stage tandem mass spectrometry with electrospray ionization. <i>Analytica Chimica Acta</i> , 2013, 771, 73-85.	2.6	8
67	MmpL11 Protein Transports Mycolic Acid-containing Lipids to the Mycobacterial Cell Wall and Contributes to Biofilm Formation in <i>Mycobacterium smegmatis</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 24213-24222.	1.6	93
68	Requirement of Fatty Acid Transport Protein 4 for Development, Maturation, and Function of Sebaceous Glands in a Mouse Model of Ichthyosis Prematurity Syndrome. <i>Journal of Biological Chemistry</i> , 2013, 288, 3964-3976.	1.6	31
69	Recognition of microbial and mammalian phospholipid antigens by NKT cells with diverse TCRs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1827-1832.	3.3	129
70	Type I Phosphatidylinositol 4-Phosphate 5-Kinase $\beta$ Regulates Osteoclasts in a Bifunctional Manner*. <i>Journal of Biological Chemistry</i> , 2013, 288, 5268-5277.	1.6	6
71	Liver fatty acid binding protein (L-Fabp) modulates murine stellate cell activation and diet-induced nonalcoholic fatty liver disease. <i>Hepatology</i> , 2013, 57, 2202-2212.	3.6	68
72	Selective hepatic insulin resistance in a murine model heterozygous for a mitochondrial trifunctional protein defect. <i>Hepatology</i> , 2013, 57, 2213-2223.	3.6	55

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73	The PmrAB System-inducing Conditions Control Both Lipid A Remodeling and O-antigen Length Distribution, Influencing the Salmonella Typhimurium-Host Interactions. <i>Journal of Biological Chemistry</i> , 2012, 287, 38778-38789.	1.6	32
74	Inhibiting Adipose Tissue Lipogenesis Reprograms Thermogenesis and PPAR $\beta$ Activation to Decrease Diet-Induced Obesity. <i>Cell Metabolism</i> , 2012, 16, 189-201.	7.2	205
75	Structural determination of glycopeptidolipids of <i>Mycobacterium smegmatis</i> by high-resolution multiple-stage linear ion-trap mass spectrometry with electrospray ionization. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1269-1281.	0.7	13
76	Structural elucidation of diglycosyl diacylglycerol and monoglycosyl diacylglycerol from <i>Streptococcus pneumoniae</i> by multiple-stage linear ion-trap mass spectrometry with electrospray ionization. <i>Journal of Mass Spectrometry</i> , 2012, 47, 115-123.	0.7	30
77	Invariant natural killer T cells recognize lipid self antigen induced by microbial danger signals. <i>Nature Immunology</i> , 2011, 12, 1202-1211.	7.0	275
78	Characterization of Sulfolipids of <i>Mycobacterium tuberculosis</i> H37Rv by Multiple-Stage Linear Ion-Trap High-Resolution Mass Spectrometry with Electrospray Ionization Reveals That the Family of Sulfolipid II Predominates. <i>Biochemistry</i> , 2011, 50, 9135-9147.	1.2	29
79	Immunologic mapping of glycomes: implications for cancer diagnosis and therapy. <i>Frontiers in Bioscience - Scholar</i> , 2011, S3, 1520.	0.8	3
80	<i>apABC</i> : a <i>Mycobacterium tuberculosis</i> complex-specific locus that modulates pH-driven adaptation to the macrophage phagosome. <i>Molecular Microbiology</i> , 2011, 80, 678-694.	1.2	176
81	Structural Definition of Trehalose 6-Monomycolates and Trehalose 6,6'-Dimycolates from the Pathogen <i>Rhodococcus equi</i> by Multiple-Stage Linear Ion-Trap Mass Spectrometry with Electrospray Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 2160-2170.	1.2	17
82	Characterization of mycolic acids from the pathogen <i>Rhodococcus equi</i> by tandem mass spectrometry with electrospray ionization. <i>Analytical Biochemistry</i> , 2011, 409, 112-122.	1.1	37
83	Innate and cytokine-driven signals, rather than microbial antigens, dominate in natural killer T cell activation during microbial infection. <i>Journal of Experimental Medicine</i> , 2011, 208, 1163-1177.	4.2	239
84	Ncb5or Deficiency Increases Fatty Acid Catabolism and Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2011, 286, 11141-11154.	1.6	31
85	Electrospray ionization multiple-stage linear ion-trap mass spectrometry for structural elucidation of triacylglycerols: Assignment of fatty acyl groups on the glycerol backbone and location of double bonds. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 657-669.	1.2	117
86	Caseation of human tuberculosis granulomas correlates with elevated host lipid metabolism. <i>EMBO Molecular Medicine</i> , 2010, 2, 258-274.	3.3	417
87	Toward total structural analysis of cardiolipins: multiple-stage linear ion-trap mass spectrometry on the $[M + 2H + 3Li]^+$ ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1863-1869.	1.2	16
88	Jasmonate perception by inositol-phosphate-potentiated COI1-JAZ co-receptor. <i>Nature</i> , 2010, 468, 400-405.	13.7	1,192
89	Deletion of UDP-glucose pyrophosphorylase reveals a UDP-glucose independent UDP-galactose salvage pathway in <i>Leishmania major</i> . <i>Glycobiology</i> , 2010, 20, 872-882.	1.3	18
90	Cell-free Synthesis and Functional Characterization of Sphingolipid Synthases from Parasitic Trypanosomatid Protozoa. <i>Journal of Biological Chemistry</i> , 2010, 285, 20580-20587.	1.6	37

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91	Identification of New 2-Amino-3-methylimidazo[4,5- <i>f</i> ]quinoline Urinary Metabolites from $\beta$ -Naphthoflavone-Treated Mice. <i>Drug Metabolism and Disposition</i> , 2009, 37, 1690-1697.	1.7	3
92	<i>Mycobacterium abscessus</i> Glycopeptidolipids Mask Underlying Cell Wall Phosphatidyl-myo-Inositol Mannosides Blocking Induction of Human Macrophage TNF- $\alpha$ by Preventing Interaction with TLR2. <i>Journal of Immunology</i> , 2009, 183, 1997-2007.	0.4	121
93	The <i>Bacillus anthracis</i> Protein MprF Is Required for Synthesis of Lysylphosphatidylglycerols and for Resistance to Cationic Antimicrobial Peptides. <i>Journal of Bacteriology</i> , 2009, 191, 1311-1319.	1.0	75
94	Degradation of Host Sphingomyelin Is Essential for Leishmania Virulence. <i>PLoS Pathogens</i> , 2009, 5, e1000692.	2.1	64
95	Characterization of new metabolites from <i>in vivo</i> biotransformation of 2-amino-3-methylimidazo[4,5- <i>f</i> ]quinoline in mouse by mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1359-1368.	0.7	2
96	Isolation and identification of two novel SDS-resistant secreted chitinases from <i>Aeromonas schubertii</i> . <i>Biotechnology Progress</i> , 2009, 25, 124-131.	1.3	29
97	Electrospray ionization with low-energy collisionally activated dissociation tandem mass spectrometry of glycerophospholipids: Mechanisms of fragmentation and structural characterization. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2673-2695.	1.2	299
98	Immunologic Glycosphingolipidomics and NKT Cell Development in Mouse Thymus. <i>Journal of Proteome Research</i> , 2009, 8, 2740-2751.	1.8	51
99	Elucidation of the double-bond position of long-chain unsaturated fatty acids by multiple-stage linear ion-trap mass spectrometry with electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1673-1680.	1.2	93
100	Structural characterization of unsaturated glycerophospholipids by multiple-stage linear ion-trap mass spectrometry with electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1681-1691.	1.2	104
101	Developmentally regulated sphingolipid synthesis in African trypanosomes. <i>Molecular Microbiology</i> , 2008, 70, 281-296.	1.2	80
102	Structural Characterization of Sulfated Steroids That Activate Mouse Pheromone-Sensing Neurons. <i>Biochemistry</i> , 2008, 47, 14009-14019.	1.2	23
103	Effectors of Rapid Homeostatic Responses of Endoplasmic Reticulum Cholesterol and 3-Hydroxy-3-methylglutaryl-CoA Reductase. <i>Journal of Biological Chemistry</i> , 2008, 283, 1445-1455.	1.6	91
104	Sulfated Steroids as Natural Ligands of Mouse Pheromone-Sensing Neurons. <i>Journal of Neuroscience</i> , 2008, 28, 6407-6418.	1.7	174
105	Anionic Lipids Enriched at the ExPortal of <i>Streptococcus pyogenes</i> . <i>Journal of Bacteriology</i> , 2007, 189, 801-806.	1.0	55
106	Novel carbonyl and nitrile products from reactive chlorinating species attack of lysosphingolipid. <i>Chemistry and Physics of Lipids</i> , 2007, 145, 72-84.	1.5	18
107	Structural characterization of phosphatidyl-myo-inositol mannosides from <i>Mycobacterium bovis</i> bacillus calmette guérin by multiple-stage quadrupole ion-trap mass spectrometry with electrospray ionization. I. PIMs and lyso-PIMs. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 466-478.	1.2	48
108	Structural characterization of phosphatidyl-myo-inositol mannosides from <i>Mycobacterium bovis</i> bacillus calmette guérin by multiple-stage quadrupole ion-trap mass spectrometry with electrospray ionization. II. Monoacyl- and diacyl-PIMs. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 479-492.	1.2	52

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109	Electrospray ionization multiple stage quadrupole ion-trap and tandem quadrupole mass spectrometric studies on phosphatidylglycerol from arabidopsis leaves. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 783-790.	1.2	47
110	Characterization of inositol phosphorylceramides from <i>Leishmania major</i> by tandem mass spectrometry with electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1591-1604.	1.2	69
111	Algorithm for processing raw mass spectrometric data to identify and quantitate complex lipid molecular species in mixtures by data-dependent scanning and fragment ion database searching. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1848-1858.	1.2	89
112	Differentiation of 1-O-alk-1- $\epsilon^2$ -enyl-2-acyl and 1-O-alkyl-2-acyl Glycerophospholipids by Multiple-Stage Linear Ion-Trap Mass Spectrometry with Electrospray Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 2065-2073.	1.2	67
113	Redirection of sphingolipid metabolism toward de novo synthesis of ethanolamine in <i>Leishmania</i> . <i>EMBO Journal</i> , 2007, 26, 1094-1104.	3.5	108
114	Matrix Metalloproteinases Expressed by Astrocytes Mediate Extracellular Amyloid-beta Peptide Catabolism. <i>Journal of Neuroscience</i> , 2006, 26, 10939-10948.	1.7	314
115	A Bromoenol Lactone Suicide Substrate Inactivates Group VIA Phospholipase A2 by Generating a Diffusible Bromomethyl Keto Acid That Alkylates Cysteine Thiols. <i>Biochemistry</i> , 2006, 45, 1061-1073.	1.2	53
116	Identification of the lipopolysaccharide modifications controlled by the <i>Salmonella</i> PmrA/PmrB system mediating resistance to Fe(III) and Al(III). <i>Molecular Microbiology</i> , 2006, 61, 645-654.	1.2	76
117	Selective plasmenylcholine oxidation by hypochlorous acid: formation of lysophosphatidylcholine chlorohydrins. <i>Chemistry and Physics of Lipids</i> , 2006, 144, 34-44.	1.5	31
118	Characterization of cardiolipin from <i>Escherichia coli</i> by electrospray ionization with multiple stage quadrupole ion-trap mass spectrometric analysis of $[M+2H+Na]^+$ ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 420-429.	1.2	63
119	Characterization of cardiolipin as the sodiated ions by positive-ion electrospray ionization with multiple stage quadrupole ion-trap mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 1146-1157.	1.2	51
120	Myeloperoxidase-derived 2-chlorohexadecanal forms Schiff bases with primary amines of ethanolamine glycerophospholipids and lysine. <i>Chemistry and Physics of Lipids</i> , 2006, 139, 157-170.	1.5	29
121	Matrix Metalloproteinase-9 Degrades Amyloid- $\beta^2$ Fibrils in Vitro and Compact Plaques in Situ. <i>Journal of Biological Chemistry</i> , 2006, 281, 24566-24574.	1.6	315
122	Electrospray Ionization with Low-Energy Collisionally Activated Dissociation Tandem Mass Spectrometry of Complex Lipids. , 2005, , .		0
123	Structural characterization of cardiolipin by tandem quadrupole and multiple-stage quadrupole ion-trap mass spectrometry with electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 491-504.	1.2	119
124	Ionic-liquid matrices for improved analysis of phospholipids by MALDI-TOF mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 679-682.	1.2	132
125	Studies on phosphatidylserine by tandem quadrupole and multiple stage quadrupole ion-trap mass spectrometry with electrospray ionization: Structural characterization and the fragmentation processes. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1510-1522.	1.2	133
126	<i>Leishmania</i> salvage and remodelling of host sphingolipids in amastigote survival and acidocalcisome biogenesis. <i>Molecular Microbiology</i> , 2005, 55, 1566-1578.	1.2	101



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127	Progressive Lung Disease and Surfactant Dysfunction with a Deletion in Surfactant Protein C Gene. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2004, 30, 771-776.	1.4	114
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