

# 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	Jasmonate perception by inositol-phosphate-potentiated COI1- $\beta$ JAZ co-receptor. <i>Nature</i> , 2010, 468, 400-405.	13.7	1,192
2	A novel mouse model of lipotoxic cardiomyopathy. <i>Journal of Clinical Investigation</i> , 2001, 107, 813-822.	3.9	666
3	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
4	Caseation of human tuberculosis granulomas correlates with elevated host lipid metabolism. <i>EMBO Molecular Medicine</i> , 2010, 2, 258-274.	3.3	417
5	Human neutrophils employ the myeloperoxidase-hydrogen peroxide-chloride system to convert hydroxy-amino acids into glycolaldehyde, 2-hydroxypropanal, and acrolein. A mechanism for the generation of highly reactive alpha-hydroxy and alpha,beta-unsaturated aldehydes by phagocytes at sites of inflammation. <i>Journal of Clinical Investigation</i> , 1997, 99, 424-432.	3.9	349
6	Mass Spectrometric Quantification of Markers for Protein Oxidation by Tyrosyl Radical, Copper, and Hydroxyl Radical in Low Density Lipoprotein Isolated from Human Atherosclerotic Plaques. <i>Journal of Biological Chemistry</i> , 1997, 272, 3520-3526.	1.6	329
7	Matrix Metalloproteinase-9 Degrades Amyloid- $\beta$ Fibrils in Vitro and Compact Plaques in Situ. <i>Journal of Biological Chemistry</i> , 2006, 281, 24566-24574.	1.6	315
8	Matrix Metalloproteinases Expressed by Astrocytes Mediate Extracellular Amyloid-beta Peptide Catabolism. <i>Journal of Neuroscience</i> , 2006, 26, 10939-10948.	1.7	314
9	Electrospray ionization/tandem quadrupole mass spectrometric studies on phosphatidylcholines: The fragmentation processes. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 352-363.	1.2	305
10	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
11	The PmrA-Regulated pmrC Gene Mediates Phosphoethanolamine Modification of Lipid A and Polymyxin Resistance in <i>Salmonella enterica</i> . <i>Journal of Bacteriology</i> , 2004, 186, 4124-4133.	1.0	286
12	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
13	Characterization of phosphatidylinositol, phosphatidylinositol-4-phosphate, and phosphatidylinositol-4,5-bisphosphate by electrospray ionization tandem mass spectrometry: A mechanistic study. <i>Journal of the American Society for Mass Spectrometry</i> , 2000, 11, 986-999.	1.2	263
14	Structural characterization of triacylglycerols as lithiated adducts by electrospray ionization mass spectrometry using low-energy collisionally activated dissociation on a triple stage quadrupole instrument. <i>Journal of the American Society for Mass Spectrometry</i> , 1999, 10, 587-599.	1.2	246
15	Human neutrophils employ chlorine gas as an oxidant during phagocytosis. <i>Journal of Clinical Investigation</i> , 1996, 98, 1283-1289.	3.9	244
16	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
17	Formation of lithiated adducts of glycerophosphocholine lipids facilitates their identification by electrospray ionization tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 516-526.	1.2	210
18	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

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19	Molecular Chlorine Generated by the Myeloperoxidase-Hydrogen Peroxide-Chloride System of Phagocytes Converts Low Density Lipoprotein Cholesterol into a Family of Chlorinated Sterols. <i>Journal of Biological Chemistry</i> , 1996, 271, 23080-23088.	1.6	201
20	Charge-remote and charge-driven fragmentation processes in diacyl glycerophosphoethanolamine upon low-energy collisional activation: A mechanistic proposal. <i>Journal of the American Society for Mass Spectrometry</i> , 2000, 11, 892-899.	1.2	189
21	Identification of $\hat{\pm}$ -Chloro Fatty Aldehydes and Unsaturated Lysophosphatidylcholine Molecular Species in Human Atherosclerotic Lesions. <i>Circulation</i> , 2003, 108, 3128-3133.	1.6	185
22	<i>ap</i> ABC: 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
23	Sulfated Steroids as Natural Ligands of Mouse Pheromone-Sensing Neurons. <i>Journal of Neuroscience</i> , 2008, 28, 6407-6418.	1.7	174
24	Human Neutrophils Employ the Myeloperoxidase-Hydrogen Peroxide-Chloride System to Oxidize $\hat{\pm}$ -Amino Acids to a Family of Reactive Aldehydes. <i>Journal of Biological Chemistry</i> , 1998, 273, 4997-5005.	1.6	167
25	Structural determination of sphingomyelin by tandem mass spectrometry with electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2000, 11, 437-449.	1.2	155
26	Studies on phosphatidylglycerol with triple quadrupole tandem mass spectrometry with electrospray ionization: Fragmentation processes and structural characterization. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 1036-1043.	1.2	154
27	<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
28	Structural determination of glycosphingolipids as lithiated adducts by electrospray ionization mass spectrometry using low-energy collisional-activated dissociation on a triple stage quadrupole instrument. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 61-79.	1.2	135
29	PhoP-regulated <i>Salmonella</i> resistance to the antimicrobial peptides magainin 2 and polymyxin B. <i>Molecular Microbiology</i> , 2004, 53, 229-241.	1.2	135
30	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
31	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
32	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
33	Human Phagocytes Employ the Myeloperoxidase-Hydrogen Peroxide System to Synthesize Dityrosine, Trityrosine, Pulcherosine, and Isodityrosine by a Tyrosyl Radical-dependent Pathway. <i>Journal of Biological Chemistry</i> , 1996, 271, 19950-19956.	1.6	126
34	Charge-driven fragmentation processes in diacyl glycerophosphatidic acids upon low-energy collisional activation. A mechanistic proposal. <i>Journal of the American Society for Mass Spectrometry</i> , 2000, 11, 797-803.	1.2	124
35	<i>Mycobacterium abscessus</i> Glycopeptidolipids Mask Underlying Cell Wall Phosphatidyl- <i>myo</i> -Inositol Mannosides Blocking Induction of Human Macrophage TNF- $\hat{\pm}$ by Preventing Interaction with TLR2. <i>Journal of Immunology</i> , 2009, 183, 1997-2007.	0.4	121
36	Characterization of ceramides by low energy collisional-activated dissociation tandem mass spectrometry with negative-ion electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 558-570.	1.2	120

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37	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
38	Ma-huang strikes again: Ephedrine nephrolithiasis. <i>American Journal of Kidney Diseases</i> , 1998, 32, 153-159.	2.1	117
39	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
40	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
41	Characterization of alkylacyl, alk-1-enylacyl and lyso subclasses of glycerophosphocholine by tandem quadrupole mass spectrometry with electrospray ionization. <i>Journal of Mass Spectrometry</i> , 2003, 38, 752-763.	0.7	113
42	Electrospray ionization tandem mass spectrometric analysis of sulfatide.. <i>Lipids and Lipid Metabolism</i> , 1998, 1392, 202-216.	2.6	108
43	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
44	Sphingolipids are essential for differentiation but not growth in <i>Leishmania</i> . <i>EMBO Journal</i> , 2003, 22, 6016-6026.	3.5	107
45	Isotope Dilution Mass Spectrometric Measurements Indicate That Arachidonylethanolamide, the Proposed Endogenous Ligand of the Cannabinoid Receptor, Accumulates in Rat Brain Tissue Post Mortem but Is Contained at Low Levels in or Is Absent from Fresh Tissue. <i>Journal of Biological Chemistry</i> , 1996, 271, 17287-17295.	1.6	106
46	Structural studies on ceramides as lithiated adducts by low energy collisional-activated dissociation tandem mass spectrometry with electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 680-695.	1.2	105
47	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
48	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
49	Studies on sulfatides by quadrupole ion-trap mass spectrometry with electrospray ionization: Structural characterization and the fragmentation processes that include an unusual internal galactose residue loss and the classical charge-remote fragmentation. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 536-546.	1.2	102
50	Studies of the Role of Group VI Phospholipase A2 in Fatty Acid Incorporation, Phospholipid Remodeling, Lysophosphatidylcholine Generation, and Secretagogue-induced Arachidonic Acid Release in Pancreatic Islets and Insulinoma Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 13915-13927.	1.6	101
51	Distinction among isomeric unsaturated fatty acids as lithiated adducts by electrospray ionization mass spectrometry using low energy collisionally activated dissociation on a triple stage quadrupole instrument. <i>Journal of the American Society for Mass Spectrometry</i> , 1999, 10, 600-612.	1.2	101
52	<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
53	p-Hydroxyphenylacetaldehyde Is the Major Product of L-Tyrosine Oxidation by Activated Human Phagocytes. <i>Journal of Biological Chemistry</i> , 1996, 271, 1861-1867.	1.6	99
54	Identification and macrophage-activating activity of glycolipids released from intracellular <i>Mycobacterium bovis</i> BCG. <i>Molecular Microbiology</i> , 2003, 48, 875-888.	1.2	99

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55	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
56	Apoptosis of Insulin-Secreting Cells Induced by Endoplasmic Reticulum Stress Is Amplified by Overexpression of Group VIA Calcium-Independent Phospholipase A2 (iPLA2 $\beta$ ) and Suppressed by Inhibition of iPLA2 $\beta$ . <i>Biochemistry</i> , 2004, 43, 918-930.	1.2	93
57	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
58	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
59	Reactive Chlorinating Species Produced by Myeloperoxidase Target the Vinyl Ether Bond of Plasmalogens. <i>Journal of Biological Chemistry</i> , 2001, 276, 23733-23741.	1.6	92
60	Detecting oxidative modification of biomolecules with isotope dilution mass spectrometry: Sensitive and quantitative assays for oxidized amino acids in proteins and tissues. <i>Methods in Enzymology</i> , 1999, 300, 124-144.	0.4	91
61	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
62	<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
63	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
64	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
65	Reactive Chlorinating Species Produced during Neutrophil Activation Target Tissue Plasmalogens. <i>Journal of Biological Chemistry</i> , 2002, 277, 3842-3849.	1.6	87
66	Characterization of phosphatidylethanolamine as a lithiated adduct by triple quadrupole tandem mass spectrometry with electrospray ionization. , 2000, 35, 595-606.		84
67	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
68	Developmentally regulated sphingolipid synthesis in African trypanosomes. <i>Molecular Microbiology</i> , 2008, 70, 281-296.	1.2	80
69	Electrospray Ionization Mass Spectrometric Analyses of Phospholipids from Rat and Human Pancreatic Islets and Subcellular Membranes: A Comparison to Other Tissues and Implications for Membrane Fusion in Insulin Exocytosis. <i>Biochemistry</i> , 1998, 37, 4553-4567.	1.2	79
70	p-Hydroxyphenylacetaldehyde, the Major Product of l-Tyrosine Oxidation by the Myeloperoxidase-H <sub>2</sub> O <sub>2</sub> -Chloride System of Phagocytes, Covalently Modifies $\mu$ -Amino Groups of Protein Lysine Residues. <i>Journal of Biological Chemistry</i> , 1997, 272, 16990-16998.	1.6	77
71	Myeloperoxidase-derived Reactive Chlorinating Species from Human Monocytes Target Plasmalogens in Low Density Lipoprotein. <i>Journal of Biological Chemistry</i> , 2003, 278, 36365-36372.	1.6	77
72	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

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73	Peroxisomal Lipid Synthesis Regulates Inflammation by Sustaining Neutrophil Membrane Phospholipid Composition and Viability. <i>Cell Metabolism</i> , 2015, 21, 51-64.	7.2	76
74	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
75	Studies of Insulin Secretory Responses and of Arachidonic Acid Incorporation into Phospholipids of Stably Transfected Insulinoma Cells That Overexpress Group VIA Phospholipase A2 (iPLA2 <sup>2</sup> ) Indicate a Signaling Rather Than a Housekeeping Role for iPLA2 <sup>2</sup> . <i>Journal of Biological Chemistry</i> , 2001, 276, 13198-13208.	1.6	74
76	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
77	Characterization of acylphosphatidylglycerols from salmonella typhimurium by tandem mass spectrometry with electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 1-11.	1.2	70
78	Electrospray Ionization/Mass Spectrometric Analyses of Human Promonocytic U937 Cell Glycerolipids and Evidence That Differentiation Is Associated with Membrane Lipid Composition Changes That Facilitate Phospholipase A2 Activation. <i>Journal of Biological Chemistry</i> , 2000, 275, 16579-16589.	1.6	69
79	Characterization of inositol phosphorylceramides from Leishmania major by tandem mass spectrometry with electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1591-1604.	1.2	69
80	Modification of proteins and lipids by myeloperoxidase. <i>Methods in Enzymology</i> , 1999, 300, 88-105.	0.4	68
81	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
82	Differentiation of 1-O-alk-1-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
83	Degradation of Host Sphingomyelin Is Essential for Leishmania Virulence. <i>PLoS Pathogens</i> , 2009, 5, e1000692.	2.1	64
84	Characterization of cardiolipin from Escherichia coli by electrospray ionization with multiple stage quadrupole ion-trap mass spectrometric analysis of [M <sup>+</sup> 2H+Na] <sup>+</sup> ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 420-429.	1.2	63
85	Malaria Parasites Produce Volatile Mosquito Attractants. <i>MBio</i> , 2015, 6, .	1.8	61
86	Sterol Biosynthesis Is Required for Heat Resistance but Not Extracellular Survival in Leishmania. <i>PLoS Pathogens</i> , 2014, 10, e1004427.	2.1	57
87	Mass Spectrometric Evidence That Agents That Cause Loss of Ca <sup>2+</sup> from Intracellular Compartments Induce Hydrolysis of Arachidonic Acid from Pancreatic Islet Membrane Phospholipids by a Mechanism That Does Not Require a Rise in Cytosolic Ca <sup>2+</sup> Concentration**This work was supported by U.S. Public Health Service grants PO1-HL57278, P41-RR-00954, and S10-RR-11260 and by an American Diabetes Association Career Development Award (S.R.). <i>Endocrinology</i> , 1998, 133, 4673-4685.	1.4	55
88	Anionic Lipids Enriched at the ExPortal of Streptococcus pyogenes. <i>Journal of Bacteriology</i> , 2007, 189, 801-806.	1.0	55
89	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
90	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

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91	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
92	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
93	Immunologic Glycosphingolipidomics and NKT Cell Development in Mouse Thymus. <i>Journal of Proteome Research</i> , 2009, 8, 2740-2751.	1.8	51
94	Electrospray ionization mass spectrometry analyses of nuclear membrane phospholipid loss after reperfusion of ischemic myocardium. <i>Journal of Lipid Research</i> , 2000, 41, 1585-1595.	2.0	50
95	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
96	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
97	Studies of phospholipid metabolism, proliferation, and secretion of stably transfected insulinoma cells that overexpress group VIA phospholipase A2. <i>Lipids</i> , 2001, 36, 689-700.	0.7	46
98	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
99	Complete structural characterization of ceramides as $[M+H]^+$ ions by multiple-stage linear ion trap mass spectrometry. <i>Biochimie</i> , 2016, 130, 63-75.	1.3	43
100	Identification of a Potent Microbial Lipid Antigen for Diverse NKT Cells. <i>Journal of Immunology</i> , 2015, 195, 2540-2551.	0.4	40
101	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
102	Electrospray ionization mass spectrometric analyses of phospholipids from INS-1 insulinoma cells: comparison to pancreatic islets and effects of fatty acid supplementation on phospholipid composition and insulin secretion. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000, 1484, 251-266.	1.2	38
103	Pancreatic Islets and Insulinoma Cells Express a Novel Isoform of Group VIA Phospholipase A2 (iPLA2 <sup>2</sup> ) that Participates in Glucose-Stimulated Insulin Secretion and Is Not Produced by Alternate Splicing of the iPLA2 <sup>2</sup> Transcript. <i>Biochemistry</i> , 2003, 42, 13929-13940.	1.2	38
104	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
105	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
106	Direct binding of phosphatidylglycerol at specific sites modulates desensitization of a ligand-gated ion channel. <i>ELife</i> , 2019, 8, .	2.8	34
107	Confirmation of a dopamine metabolite in parkinsonian brain tissue by gas chromatography-mass spectrometry. <i>Biomedical Applications</i> , 1993, 614, 205-212.	1.7	32
108	The PmrAB System-inducing Conditions Control Both Lipid A Remodeling and O-antigen Length Distribution, Influencing the <i>Salmonella</i> Typhimurium-Host Interactions. <i>Journal of Biological Chemistry</i> , 2012, 287, 38778-38789.	1.6	32

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109	PexRAP Inhibits PRDM16-Mediated Thermogenic Gene Expression. <i>Cell Reports</i> , 2017, 20, 2766-2774.	2.9	32
110	Selective plasmenylcholine oxidation by hypochlorous acid: formation of lysophosphatidylcholine chlorohydrins. <i>Chemistry and Physics of Lipids</i> , 2006, 144, 34-44.	1.5	31
111	Ncb5or Deficiency Increases Fatty Acid Catabolism and Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2011, 286, 11141-11154.	1.6	31
112	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
113	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
114	Electrospray ionization mass spectrometric analyses of changes in tissue phospholipid molecular species during the evolution of hyperlipidemia and hyperglycemia in Zucker diabetic fatty rats. <i>Lipids</i> , 2000, 35, 839-852.	0.7	30
115	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
116	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
117	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
118	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
119	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
120	Reactive Brominating Species Produced by Myeloperoxidase Target the Vinyl Ether Bond of Plasmalogens. <i>Journal of Biological Chemistry</i> , 2002, 277, 4694-4703.	1.6	28
121	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
122	Mechanism of High-Level Daptomycin Resistance in <i>Corynebacterium striatum</i> . <i>MSphere</i> , 2018, 3, .	1.3	28
123	Quantification of Cholesterol Tracers by Gas Chromatography-Negative Ion Chemical Ionization Mass Spectrometry. , 1996, 31, 1291-1296.		26
124	Development and validation of LC-MS/MS method for determination of very long acyl chain (C22:0 and Tj ETQq0 0,0 rgBT /Overlock 10	1.9	26
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