

Fong-Fu Hsu

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194 papers	13,473 citations	68 h-index	112 g-index
205 ext. papers	14,969 ext. citations	5.7 avg, IF	6.38 L-index

#	Paper	IF	Citations
194	Jasmonate perception by inositol-phosphate-potentiated COI1-JAZ co-receptor. <i>Nature</i> , 2010 , 468, 400-504	50.4	951
193	A novel mouse model of lipotoxic cardiomyopathy. <i>Journal of Clinical Investigation</i> , 2001 , 107, 813-22	15.9	576
192	Memory CD8(+) T cells use cell-intrinsic lipolysis to support the metabolic programming necessary for development. <i>Immunity</i> , 2014 , 41, 75-88	32.3	463
191	Caseation of human tuberculosis granulomas correlates with elevated host lipid metabolism. <i>EMBO Molecular Medicine</i> , 2010 , 2, 258-74	12	316
190	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. <i>Journal of Biological Chemistry</i> , 2007 , 282, 12138-46	15.9	304
189	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, 3520-6	5.4	300
188	Matrix metalloproteinases expressed by astrocytes mediate extracellular amyloid-beta peptide catabolism. <i>Journal of Neuroscience</i> , 2006 , 26, 10939-48	6.6	269
187	Electrospray ionization/tandem quadrupole mass spectrometric studies on phosphatidylcholines: the fragmentation processes. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 352-63	3.5	267
186	Matrix metalloproteinase-9 degrades amyloid-beta fibrils in vitro and compact plaques in situ. <i>Journal of Biological Chemistry</i> , 2006 , 281, 24566-74	5.4	254
185	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, 2673-95	3.2	253
184	Invariant natural killer T cells recognize lipid self antigen induced by microbial danger signals. <i>Nature Immunology</i> , 2011 , 12, 1202-11	19.1	245
183	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, 986-99	3.5	239
182	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, 4124-33	3.5	238
181	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, 587-99	3.5	232
180	Human neutrophils employ chlorine gas as an oxidant during phagocytosis. <i>Journal of Clinical Investigation</i> , 1996 , 98, 1283-9	15.9	211
179	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, 1163-77	16.6	208
178	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, 516-26	3.5	191

177	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, 23080-8	5.4	182
176	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, 892-9	3.5	171
175	Identification of alpha-chloro fatty aldehydes and unsaturated lysophosphatidylcholine molecular species in human atherosclerotic lesions. <i>Circulation</i> , 2003 , 108, 3128-33	16.7	167
174	Inhibiting adipose tissue lipogenesis reprograms thermogenesis and PPAR α activation to decrease diet-induced obesity. <i>Cell Metabolism</i> , 2012 , 16, 189-201	24.6	164
173	Sulfated steroids as natural ligands of mouse pheromone-sensing neurons. <i>Journal of Neuroscience</i> , 2008 , 28, 6407-18	6.6	155
172	Human neutrophils employ the myeloperoxidase-hydrogen peroxide-chloride system to oxidize alpha-amino acids to a family of reactive aldehydes. Mechanistic studies identifying labile intermediates along the reaction pathway. <i>Journal of Biological Chemistry</i> , 1998 , 273, 4997-5005	5.4	145
171	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	3.5	135
170	Structural determination of sphingomyelin by tandem mass spectrometry with electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2000 , 11, 437-49	3.5	130
169	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	3.5	126
168	apABC: a Mycobacterium tuberculosis complex-specific locus that modulates pH-driven adaptation to the macrophage phagosome. <i>Molecular Microbiology</i> , 2011 , 80, 678-94	4.1	125
167	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, 679-82	3.5	124
166	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	3.5	122
165	PhoP-regulated Salmonella resistance to the antimicrobial peptides magainin 2 and polymyxin B. <i>Molecular Microbiology</i> , 2004 , 53, 229-41	4.1	119
164	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	3.5	113
163	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	3.5	109
162	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, 19950-6	5.4	108
161	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, 1827-32	11.5	107
160	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, 752-63	2.2	104

159	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, 657-69	3.5	103
158	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, 771-6	5.7	103
157	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, 558-70	3.5	103
156	Ma-huang strikes again: ephedrine nephrolithiasis. <i>American Journal of Kidney Diseases</i> , 1998 , 32, 153-9	7.4	100
155	Electrospray ionization tandem mass spectrometric analysis of sulfatide. Determination of fragmentation patterns and characterization of molecular species expressed in brain and in pancreatic islets. <i>Lipids and Lipid Metabolism</i> , 1998 , 1392, 202-16		97
154	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> , 1997 , 272, 15087-92	5.4	97
153	Mycobacterium abscessus 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	5.3	96
152	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, 1681-91	3.5	96
151	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, 13915-27	5.4	96
150	Redirection of sphingolipid metabolism toward de novo synthesis of ethanolamine in Leishmania. <i>EMBO Journal</i> , 2007 , 26, 1094-104	13	95
149	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, 600-12	3.5	95
148	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	11.5	93
147	p-Hydroxyphenylacetaldehyde is the major product of L-tyrosine oxidation by activated human phagocytes. A chloride-dependent mechanism for the conversion of free amino acids into reactive aldehydes by myeloperoxidase. <i>Journal of Biological Chemistry</i> , 1996 , 271, 1861-7	5.4	91
146	Identification and macrophage-activating activity of glycolipids released from intracellular Mycobacterium bovis BCG. <i>Molecular Microbiology</i> , 2003 , 48, 875-88	4.1	91
145	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, 535-46	3.5	89
144	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, 680-95	3.5	88
143	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	5.4	87
142	Sphingolipids are essential for differentiation but not growth in Leishmania. <i>EMBO Journal</i> , 2003 , 22, 6016-26	13	87

141	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, 1673-80	3.5	85
140	Leishmania salvage and remodelling of host sphingolipids in amastigote survival and acidocalcisome biogenesis. <i>Molecular Microbiology</i> , 2005 , 55, 1566-78	4.1	85
139	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, 1848-58	3.5	84
138	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, 918-30	3.2	82
137	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, 124-44	1.7	82
136	Reactive chlorinating species produced by myeloperoxidase target the vinyl ether bond of plasmalogens: identification of 2-chlorohexadecanal. <i>Journal of Biological Chemistry</i> , 2001 , 276, 23733-41	5.4	81
135	Development of a bile acid-based newborn screen for Niemann-Pick disease type C. <i>Science Translational Medicine</i> , 2016 , 8, 337ra63	17.5	75
134	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, 13433-8	11.5	75
133	Characterization of phosphatidylethanolamine as a lithiated adduct by triple quadrupole tandem mass spectrometry with electrospray ionization. <i>Journal of Mass Spectrometry</i> , 2000 , 35, 595-606	2.2	75
132	Electrospray ionization mass spectrometric analyses of phospholipids from rat and human pancreatic islets and subcellular membranes: comparison to other tissues and implications for membrane fusion in insulin exocytosis. <i>Biochemistry</i> , 1998 , 37, 4553-67	3.2	74
131	Myeloperoxidase-derived reactive chlorinating species from human monocytes target plasmalogens in low density lipoprotein. <i>Journal of Biological Chemistry</i> , 2003 , 278, 36365-72	5.4	74
130	MmpL11 protein transports mycolic acid-containing lipids to the mycobacterial cell wall and contributes to biofilm formation in Mycobacterium smegmatis. <i>Journal of Biological Chemistry</i> , 2013 , 288, 24213-22	5.4	72
129	Reactive chlorinating species produced during neutrophil activation target tissue plasmalogens: production of the chemoattractant, 2-chlorohexadecanal. <i>Journal of Biological Chemistry</i> , 2002 , 277, 3842-9	5.4	72
128	p-Hydroxyphenylacetaldehyde, the major product of L-tyrosine oxidation by the myeloperoxidase-H2O2-chloride system of phagocytes, covalently modifies epsilon-amino groups of protein lysine residues. <i>Journal of Biological Chemistry</i> , 1997 , 272, 16990-8	5.4	71
127	Studies of insulin secretory responses and of arachidonic acid incorporation into phospholipids of stably transfected insulinoma cells that overexpress group VIA phospholipase A2 (iPLA2beta) indicate a signaling rather than a housekeeping role for iPLA2beta. <i>Journal of Biological Chemistry</i> , 2001 , 276, 13198-208	5.4	71
126	Mass spectrometry-based shotgun lipidomics - a critical review from the technical point of view. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 6387-6409	4.4	67
125	Identification of the lipopolysaccharide modifications controlled by the Salmonella PmrA/PmrB system mediating resistance to Fe(III) and Al(III). <i>Molecular Microbiology</i> , 2006 , 61, 645-54	4.1	67
124	Developmentally regulated sphingolipid synthesis in African trypanosomes. <i>Molecular Microbiology</i> , 2008 , 70, 281-96	4.1	64

123	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, 16579-89	5.4	62
122	Modification of proteins and lipids by myeloperoxidase. <i>Methods in Enzymology</i> , 1999 , 300, 88-105	1.7	62
121	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, 2065-73	3.5	61
120	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, 1591-604	3.5	59
119	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, 420-9	3.5	57
118	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, 1311-9	3.5	55
117	Characterization of acylphosphatidylglycerols from <i>Salmonella typhimurium</i> by tandem mass spectrometry with electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 1-11	3.5	55
116	Peroxisomal lipid synthesis regulates inflammation by sustaining neutrophil membrane phospholipid composition and viability. <i>Cell Metabolism</i> , 2015 , 21, 51-64	24.6	54
115	Mass spectrometric evidence that agents that cause loss of Ca ²⁺ 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 ²⁺ concentration. <i>Endocrinology</i> , 1998 , 139, 4073-85	4.8	53
114	<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	26.6	51
113	Liver fatty acid binding protein (L-Fabp) modulates murine stellate cell activation and diet-induced nonalcoholic fatty liver disease. <i>Hepatology</i> , 2013 , 57, 2202-12	11.2	50
112	Degradation of host sphingomyelin is essential for <i>Leishmania</i> virulence. <i>PLoS Pathogens</i> , 2009 , 5, e1000602	10.2	47
111	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, 1061-73	3.2	47
110	Anionic lipids enriched at the ExPortal of <i>Streptococcus pyogenes</i> . <i>Journal of Bacteriology</i> , 2007 , 189, 801-6	3.5	46
109	Peroxisome-derived lipids regulate adipose thermogenesis by mediating cold-induced mitochondrial fission. <i>Journal of Clinical Investigation</i> , 2019 , 129, 694-711	15.9	46
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. I. PIMs and lyso-PIMs. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1111-20	3.5	44
107	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, 1146-57	3.5	44
106	Immunologic glycosphingolipidomics and NKT cell development in mouse thymus. <i>Journal of Proteome Research</i> , 2009 , 8, 2740-51	5.6	43

105	Structural characterization of phosphatidyl-myo-inositol mannosides from Mycobacterium bovis Bacillus Calmette G�rin 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, 479-92	3.5	43
104	Malaria parasites produce volatile mosquito attractants. <i>MBio</i> , 2015 , 6,	7.8	42
103	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	1.6	42
102	Selective hepatic insulin resistance in a murine model heterozygous for a mitochondrial trifunctional protein defect. <i>Hepatology</i> , 2013 , 57, 2213-23	11.2	41
101	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, 783-90	3.5	41
100	Sterol biosynthesis is required for heat resistance but not extracellular survival in leishmania. <i>PLoS Pathogens</i> , 2014 , 10, e1004427	7.6	38
99	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	6.3	37
98	Complete structural characterization of ceramides as [M-H] ions by multiple-stage linear ion trap mass spectrometry. <i>Biochimie</i> , 2016 , 130, 63-75	4.6	36
97	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, 251-66	5	36
96	Pancreatic islets and insulinoma cells express a novel isoform of group VIA phospholipase A2 (iPLA2 beta) that participates in glucose-stimulated insulin secretion and is not produced by alternate splicing of the iPLA2 beta transcript. <i>Biochemistry</i> , 2003 , 42, 13929-40	3.2	35
95	Wnt Protein Signaling Reduces Nuclear Acetyl-CoA Levels to Suppress Gene Expression during Osteoblast Differentiation. <i>Journal of Biological Chemistry</i> , 2016 , 291, 13028-39	5.4	35
94	Identification of a Potent Microbial Lipid Antigen for Diverse NKT Cells. <i>Journal of Immunology</i> , 2015 , 195, 2540-51	5.3	32
93	Cell-free synthesis and functional characterization of sphingolipid synthases from parasitic trypanosomatid protozoa. <i>Journal of Biological Chemistry</i> , 2010 , 285, 20580-7	5.4	32
92	Characterization of mycolic acids from the pathogen Rhodococcus equi by tandem mass spectrometry with electrospray ionization. <i>Analytical Biochemistry</i> , 2011 , 409, 112-22	3.1	31
91	Selective plasmenylcholine oxidation by hypochlorous acid: formation of lysophosphatidylcholine chlorohydrins. <i>Chemistry and Physics of Lipids</i> , 2006 , 144, 34-44	3.7	29
90	Ncb5or deficiency increases fatty acid catabolism and oxidative stress. <i>Journal of Biological Chemistry</i> , 2011 , 286, 11141-54	5.4	26
89	Myeloperoxidase-derived 2-chlorohexadecanal forms Schiff bases with primary amines of ethanolamine glycerophospholipids and lysine. <i>Chemistry and Physics of Lipids</i> , 2006 , 139, 157-70	3.7	26
88	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, 839-54	1.6	26

87	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, 115-23	2.2	25
86	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, 3964-76	5.4	25
85	Quantification of cholesterol tracers by gas chromatography--negative ion chemical ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1996 , 31, 1291-6	2.2	25
84	Confirmation of a dopamine metabolite in parkinsonian brain tissue by gas chromatography-mass spectrometry. <i>Biomedical Applications</i> , 1993 , 614, 205-12		25
83	Exogenous cardiolipin localizes to mitochondria and prevents TAZ knockdown-induced apoptosis in myeloid progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 464, 580-5	3.4	24
82	Islet complex lipids: involvement in the actions of group VIA calcium-independent phospholipase A(2) in beta-cells. <i>Diabetes</i> , 2004 , 53 Suppl 1, S179-85	0.9	24
81	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, 2519-28	4.4	23
80	Isolation and identification of two novel SDS-resistant secreted chitinases from <i>Aeromonas schubertii</i> . <i>Biotechnology Progress</i> , 2009 , 25, 124-31	2.8	23
79	Reactive brominating species produced by myeloperoxidase target the vinyl ether bond of plasmalogens: disparate utilization of sodium halides in the production of alpha-halo fatty aldehydes. <i>Journal of Biological Chemistry</i> , 2002 , 277, 4694-703	5.4	23
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, 9135-47	3.2	22
77	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, 38778-89	5.4	22
76	Direct binding of phosphatidylglycerol at specific sites modulates desensitization of a ligand-gated ion channel. <i>ELife</i> , 2019 , 8,	8.9	22
75	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	5.7	21
74	Mechanism of High-Level Daptomycin Resistance in. <i>MSphere</i> , 2018 , 3,	5	21
73	Structural distinction of diacyl-, alkylacyl, and alk-1-enylacyl glycerophosphocholines as [M - 15]? ions by multiple-stage linear ion-trap mass spectrometry with electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 1412-20	3.5	21
72	Structural characterization of sulfated steroids that activate mouse pheromone-sensing neurons. <i>Biochemistry</i> , 2008 , 47, 14009-19	3.2	21
71	Sterol methyltransferase is required for optimal mitochondrial function and virulence in <i>Leishmania major</i> . <i>Molecular Microbiology</i> , 2019 , 111, 65-81	4.1	21
70	PexRAP Inhibits PRDM16-Mediated Thermogenic Gene Expression. <i>Cell Reports</i> , 2017 , 20, 2766-2774	10.6	20

69	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	0.9	19
68	Diversification of phagosome trafficking by pathogenic <i>Rhodococcus equi</i> depends on mycolic acid chain length. <i>Cellular Microbiology</i> , 2013 , 15, 458-73	3.9	18
67	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, 201-9	2.2	18
66	Synthesis, isolation, and characterization of the adduct formed in the reaction of p-hydroxyphenylacetaldehyde with the amino headgroup of phosphatidylethanolamine and phosphatidylserine. <i>Chemical Research in Toxicology</i> , 1999 , 12, 19-27	4	18
65	-acyl--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	6.3	17
64	Deletion of UDP-glucose pyrophosphorylase reveals a UDP-glucose independent UDP-galactose salvage pathway in <i>Leishmania major</i> . <i>Glycobiology</i> , 2010 , 20, 872-82	5.8	17
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