Fong-Fu Hsu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Lipidomics Analysis of Outer Membrane Vesicles and Elucidation of the Inositol Phosphoceramide Biosynthetic Pathway in Bacteroides thetaiotaomicron.. *Microbiology Spectrum*, **2022**, e0063421	8.9	4
193	Structural characterization of phospholipids and sphingolipids by in-source fragmentation MALDI/TOF mass spectrometry.. *Analytical and Bioanalytical Chemistry*, **2022**, 414, 2089	4.4	1
192	Synthesis of Phosphatidylcholine Is Essential for the Promastigote But Not Amastigote Stage in. *Frontiers in Cellular and Infection Microbiology*, **2021**, 11, 647870	5.9	7
191	Targeting a Radiosensitizing Antibody-Drug Conjugate to a Radiation-Inducible Antigen. *Clinical Cancer Research*, **2021**, 27, 3224-3233	12.9	2
190	Electrospray ionization with higher-energy collision dissociation tandem mass spectrometry toward characterization of ceramides as [M´+ Li] ions: Mechanisms of fragmentation and structural identification. *Analytica Chimica Acta*, **2021**, 1142, 221-234	6.6	3
189	CEPT1-Mediated Phospholipogenesis Regulates Endothelial Cell Function and Ischemia-Induced Angiogenesis Through PPAR*Diabetes*, **2021**, 70, 549-561	0.9	1
188	Mass Spectrometry-Based Lipidomics: An Overview. *Methods in Molecular Biology*, **2021**, 2306, 1-10	1.4	1
187	Endothelial ether lipids link the vasculature to blood pressure, behavior, and neurodegeneration. *Journal of Lipid Research*, **2021**, 62, 100079	6.3	1
186	Mass Spectrometry-Based Shotgun Lipidomics Using Charge-Switch Derivatization for Analysis of Complex Long-Chain Fatty Acids. *Methods in Molecular Biology*, **2021**, 2306, 93-103	1.4	0
185	Ceramide Analysis by Multiple Linked-Scan Mass Spectrometry Using a Tandem Quadrupole Instrument. *Methods in Molecular Biology*, **2021**, 2306, 123-137	1.4	
184	Comprehensive Mouse Skin Ceramide Analysis on a Solid-Phase and TLC Separation with High-Resolution Mass Spectrometry Platform. *Methods in Molecular Biology*, **2021**, 2306, 139-155	1.4	
183	Glucose-mediated de novo lipogenesis in photoreceptors drives early diabetic retinopathy. *Journal of Biological Chemistry*, **2021**, 297, 101104	5.4	0
182	Characterization of the Uncommon Lipid Families in Corynebacterium glutamicum by Mass Spectrometry. *Methods in Molecular Biology*, **2021**, 2306, 227-238	1.4	
181	Complete Characterization of Polyacyltrehaloses from H37Rv Biofilm Cultures by Multiple-Stage Linear Ion-Trap Mass Spectrometry Reveals a New Tetraacyltrehalose Family. *Biochemistry*, **2021**, 60, 381-397	3.2	1
180	Shotgun Lipidomic Analysis of Leishmania Cells. *Methods in Molecular Biology*, **2021**, 2306, 215-225	1.4	1
179	Revelation of Acyl Double Bond Positions on Fatty Acyl Coenzyme A Esters by MALDI/TOF Mass Spectrometry. *Journal of the American Society for Mass Spectrometry*, **2020**, 31, 1047-1057	3.5	3
178	Structural Determination of a New Peptidolipid Family from and the Pathogen by Multiple Stage Mass Spectrometry. *Journal of the American Society for Mass Spectrometry*, **2020**, 31, 611-623	3.5	1

177	Unveiling the biodiversity of lipid species in Corynebacteria- characterization of the uncommon lipid families in C.´glutamicum and pathogen C. striatum by mass spectrometry. *Biochimie*, **2020**, 178, 158-169	4.6	3
176	Lathosterol Oxidase (Sterol C-5 Desaturase) Deletion Confers Resistance to Amphotericin B and Sensitivity to Acidic Stress in Leishmania major. *MSphere*, **2020**, 5,	5	4
175	Alpha-crystallin mutations alter lens metabolites in mouse models of human cataracts. *PLoS ONE*, **2020**, 15, e0238081	3.7	4
174	Palmitic Acid-Rich High-Fat Diet Exacerbates Experimental Pulmonary Fibrosis by Modulating Endoplasmic Reticulum Stress. *American Journal of Respiratory Cell and Molecular Biology*, **2019**, 61, 737-746	5.7	21
173	Fatty acid transport protein 4 is required for incorporation of saturated ultralong-chain fatty acids into epidermal ceramides and monoacylglycerols. *Scientific Reports*, **2019**, 9, 13254	4.9	10
172	-acyl--phosphocholineserines: structures of a novel class of lipids that are biomarkers for Niemann-Pick C1 disease. *Journal of Lipid Research*, **2019**, 60, 1410-1424	6.3	17
171	Phosphatidylcholine synthesis through cholinephosphate cytidylyltransferase is dispensable in Leishmania major. *Scientific Reports*, **2019**, 9, 7602	4.9	9
170	PrfA activation in Listeria monocytogenes increases the sensitivity to class IIa bacteriocins despite impaired expression of the bacteriocin receptor. *Biochimica Et Biophysica Acta - General Subjects*, **2019**, 1863, 1283-1291	4	4
169	Loss of lipin 1-mediated phosphatidic acid phosphohydrolase activity in muscle leads to skeletal myopathy in mice. *FASEB Journal*, **2019**, 33, 652-667	0.9	19
168	Peroxisome-derived lipids regulate adipose thermogenesis by mediating cold-induced mitochondrial fission. *Journal of Clinical Investigation*, **2019**, 129, 694-711	15.9	46
167	Direct binding of phosphatidylglycerol at specific sites modulates desensitization of a ligand-gated ion channel. *ELife*, **2019**, 8,	8.9	22
166	Multiple-stage Precursor Ion Separation and High Resolution Mass Spectrometry toward Structural Characterization of 2,3-Diacyltrehalose Family from Mycobacterium tuberculosis. *Separations*, **2019**, 6, 4	3.1	7
165	Aldehyde adducts inhibit 3,4-dihydroxyphenylacetaldehyde-induced □synuclein aggregation and toxicity: Implication for Parkinson neuroprotective therapy. *European Journal of Pharmacology*, **2019**, 845, 65-73	5.3	15
164	Sterol methyltransferase is required for optimal mitochondrial function and virulence in Leishmania major. *Molecular Microbiology*, **2019**, 111, 65-81	4.1	21
163	Diabetes adversely affects phospholipid profiles in human carotid artery endarterectomy plaques. *Journal of Lipid Research*, **2018**, 59, 730-738	6.3	5
162	Mass spectrometry-based shotgun lipidomics - a critical review from the technical point of view. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 6387-6409	4.4	67
161	Mechanism of High-Level Daptomycin Resistance in. *MSphere*, **2018**, 3,	5	21
160	Retinal de novo lipogenesis coordinates neurotrophic signaling to maintain vision. *JCI Insight*, **2018**, 3,	9.9	10

159	Evaluation of cardiolipin nanodisks as lipid replacement therapy for Barth syndrome. *Journal of Biomedical Research*, **2018**, 32, 107-112	1.5	11
158	Cyclopropane fatty acid synthesis affects cell shape and acid resistance in Leishmania mexicana. *International Journal for Parasitology*, **2018**, 48, 245-256	4.3	7
157	Lipid metabolism of phenol-tolerant strains for lignin bioconversion. *Biotechnology for Biofuels*, **2018**, 11, 339	7.8	16
156	Mycobacterium tuberculosis carrying a rifampicin drug resistance mutation reprograms macrophage metabolism through cell wall lipid changes. *Nature Microbiology*, **2018**, 3, 1099-1108	26.6	51
155	Characterization of Long-Chain Fatty Acid as N-(4-Aminomethylphenyl) Pyridinium Derivative by MALDI LIFT-TOF/TOF Mass Spectrometry. *Journal of the American Society for Mass Spectrometry*, **2018**, 29, 1688-1699	3.5	13
154	Linear ion-trap MS with high-resolution MS reveals structural diversity of 1-O-acylceramide family in mouse epidermis. *Journal of Lipid Research*, **2017**, 58, 772-782	6.3	8
153	is protected from NADPH oxidase and LC3-associated phagocytosis by the LCP protein CpsA. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E8711-E8720	11.5	93
152	PexRAP Inhibits PRDM16-Mediated Thermogenic Gene Expression. *Cell Reports*, **2017**, 20, 2766-2774	10.6	20
151	Complete structural characterization of ceramides as [M-H] ions by multiple-stage linear ion trap mass spectrometry. *Biochimie*, **2016**, 130, 63-75	4.6	36
150	Development of a bile acid-based newborn screen for Niemann-Pick disease type C. *Science Translational Medicine*, **2016**, 8, 337ra63	17.5	75
149	Characterization of phthiocerol and phthiodiolone dimycocerosate esters of M. tuberculosis by multiple-stage linear ion-trap MS. *Journal of Lipid Research*, **2016**, 57, 142-55	6.3	13
148	Characterization of Hydroxyphthioceranoic and Phthioceranoic Acids by Charge-Switch Derivatization and CID Tandem Mass Spectrometry. *Journal of the American Society for Mass Spectrometry*, **2016**, 27, 622-32	3.5	14
147	Plasmenylethanolamine synthesis in Leishmania major. *Molecular Microbiology*, **2016**, 101, 238-49	4.1	9
146	Wnt Protein Signaling Reduces Nuclear Acetyl-CoA Levels to Suppress Gene Expression during Osteoblast Differentiation. *Journal of Biological Chemistry*, **2016**, 291, 13028-39	5.4	35
145	Accumulation of long-chain bases in yeast promotes their conversion to a long-chain base vinyl ether. *Journal of Lipid Research*, **2016**, 57, 2040-2050	6.3	2
144	Exogenous cardiolipin localizes to mitochondria and prevents TAZ knockdown-induced apoptosis in myeloid progenitor cells. *Biochemical and Biophysical Research Communications*, **2015**, 464, 580-5	3.4	24
143	Malaria parasites produce volatile mosquito attractants. *MBio*, **2015**, 6,	7.8	42
142	Identification of a Potent Microbial Lipid Antigen for Diverse NKT Cells. *Journal of Immunology*, **2015**, 195, 2540-51	5.3	32

141	Peroxisomal lipid synthesis regulates inflammation by sustaining neutrophil membrane phospholipid composition and viability. *Cell Metabolism*, **2015**, 21, 51-64	24.6	54
140	Characterization of polar lipids of Listeria monocytogenes by HCD and low-energy CAD linear ion-trap mass spectrometry with electrospray ionization. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 2519-28	4.4	23
139	Memory CD8(+) T cells use cell-intrinsic lipolysis to support the metabolic programming necessary for development. *Immunity*, **2014**, 41, 75-88	32.3	463
138	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. *Journal of the American Society for Mass Spectrometry*, **2014**, 25, 1412-20	3.5	21
137	Sterol biosynthesis is required for heat resistance but not extracellular survival in leishmania. *PLoS Pathogens*, **2014**, 10, e1004427	7.6	38
136	Multiple-stage linear ion-trap with high resolution mass spectrometry towards complete structural characterization of phosphatidylethanolamines containing cyclopropane fatty acyl chain in Leishmania infantum. *Journal of Mass Spectrometry*, **2014**, 49, 201-9	2.2	18
135	Activation of iNKT cells by a distinct constituent of the endogenous glucosylceramide fraction. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 13433-8	11.5	75
134	Characterization of mycobacterial triacylglycerols and monomeromycolyl diacylglycerols from Mycobacterium smegmatis biofilm by electrospray ionization multiple-stage and high-resolution mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 7415-26	4.4	13
133	Development and validation of LC-MS/MS method for determination of very long acyl chain (C22:0 and C24:0) ceramides in human plasma. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 7357-65	4.4	16
132	Sphingosine kinase A is a pleiotropic and essential enzyme for Leishmania survival and virulence. *Molecular Microbiology*, **2013**, 90, 489-501	4.1	6
131	Diversion of phagosome trafficking by pathogenic Rhodococcus equi depends on mycolic acid chain length. *Cellular Microbiology*, **2013**, 15, 458-73	3.9	18
130	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. *Analytica Chimica Acta*, **2013**, 771, 73-85	6.6	7
129	MmpL11 protein transports mycolic acid-containing lipids to the mycobacterial cell wall and contributes to biofilm formation in Mycobacterium smegmatis. *Journal of Biological Chemistry*, **2013**, 288, 24213-22	5.4	72
128	Requirement of fatty acid transport protein 4 for development, maturation, and function of sebaceous glands in a mouse model of ichthyosis prematurity syndrome. *Journal of Biological Chemistry*, **2013**, 288, 3964-76	5.4	25
127	Recognition of microbial and mammalian phospholipid antigens by NKT cells with diverse TCRs. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 1827-32	11.5	107
126	Type I phosphotidylinosotol 4-phosphate 5-kinase regulates osteoclasts in a bifunctional manner. *Journal of Biological Chemistry*, **2013**, 288, 5268-77	5.4	3
125	Liver fatty acid binding protein (L-Fabp) modulates murine stellate cell activation and diet-induced nonalcoholic fatty liver disease. *Hepatology*, **2013**, 57, 2202-12	11.2	50
124	Selective hepatic insulin resistance in a murine model heterozygous for a mitochondrial trifunctional protein defect. *Hepatology*, **2013**, 57, 2213-23	11.2	41

123	Structural elucidation of diglycosyl diacylglycerol and monoglycosyl diacylglycerol from Streptococcus pneumoniae by multiple-stage linear ion-trap mass spectrometry with electrospray ionization. *Journal of Mass Spectrometry*, **2012**, 47, 115-23	2.2	25
122	Inhibiting adipose tissue lipogenesis reprograms thermogenesis and PPARγ activation to decrease diet-induced obesity. *Cell Metabolism*, **2012**, 16, 189-201	24.6	164
121	Structural determination of glycopeptidolipids of Mycobacterium smegmatis by high-resolution multiple-stage linear ion-trap mass spectrometry with electrospray ionization. *Journal of Mass Spectrometry*, **2012**, 47, 1269-81	2.2	10
120	The PmrAB system-inducing conditions control both lipid A remodeling and O-antigen length distribution, influencing the Salmonella Typhimurium-host interactions. *Journal of Biological Chemistry*, **2012**, 287, 38778-89	5.4	22
119	Immunologic mapping of glycomes: implications for cancer diagnosis and therapy. *Frontiers in Bioscience - Scholar*, **2011**, 3, 1520-32	2.4	3
118	aprABC: a Mycobacterium tuberculosis complex-specific locus that modulates pH-driven adaptation to the macrophage phagosome. *Molecular Microbiology*, **2011**, 80, 678-94	4.1	125
117	Structural definition of trehalose 6-monomycolates and trehalose 6,6′-dimycolates from the pathogen Rhodococcus equi by multiple-stage linear ion-trap mass spectrometry with electrospray ionization. *Journal of the American Society for Mass Spectrometry*, **2011**, 22, 2160-70	3.5	16
116	Invariant natural killer T cells recognize lipid self antigen induced by microbial danger signals. *Nature Immunology*, **2011**, 12, 1202-11	19.1	245
115	Characterization of sulfolipids of Mycobacterium tuberculosis H37Rv by multiple-stage linear ion-trap high-resolution mass spectrometry with electrospray ionization reveals that the family of sulfolipid II predominates. *Biochemistry*, **2011**, 50, 9135-47	3.2	22
114	Characterization of mycolic acids from the pathogen Rhodococcus equi by tandem mass spectrometry with electrospray ionization. *Analytical Biochemistry*, **2011**, 409, 112-22	3.1	31
113	Innate and cytokine-driven signals, rather than microbial antigens, dominate in natural killer T cell activation during microbial infection. *Journal of Experimental Medicine*, **2011**, 208, 1163-77	16.6	208
112	Ncb5or deficiency increases fatty acid catabolism and oxidative stress. *Journal of Biological Chemistry*, **2011**, 286, 11141-54	5.4	26
111	Jasmonate perception by inositol-phosphate-potentiated COI1-JAZ co-receptor. *Nature*, **2010**, 468, 400-5	30.4	951
110	Deletion of UDP-glucose pyrophosphorylase reveals a UDP-glucose independent UDP-galactose salvage pathway in Leishmania major. *Glycobiology*, **2010**, 20, 872-82	5.8	17
109	Cell-free synthesis and functional characterization of sphingolipid synthases from parasitic trypanosomatid protozoa. *Journal of Biological Chemistry*, **2010**, 285, 20580-7	5.4	32
108	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. *Journal of the American Society for Mass Spectrometry*, **2010**, 21, 657-69	3.5	103
107	Caseation of human tuberculosis granulomas correlates with elevated host lipid metabolism. *EMBO Molecular Medicine*, **2010**, 2, 258-74	12	316
106	Toward total structural analysis of cardiolipins: multiple-stage linear ion-trap mass spectrometry on the [M - 2H + 3Li]+ ions. *Journal of the American Society for Mass Spectrometry*, **2010**, 21, 1863-9	3.5	14

105	Identification of new 2-amino-3-methylimidazo[4,5-f]quinoline urinary metabolites from beta-naphthoflavone-treated mice. *Drug Metabolism and Disposition*, **2009**, 37, 1690-7	4	3
104	Mycobacterium abscessus Glycopeptidolipids mask underlying cell wall phosphatidyl-myo-inositol mannosides blocking induction of human macrophage TNF-alpha by preventing interaction with TLR2. *Journal of Immunology*, **2009**, 183, 1997-2007	5.3	96
103	The Bacillus anthracis protein MprF is required for synthesis of lysylphosphatidylglycerols and for resistance to cationic antimicrobial peptides. *Journal of Bacteriology*, **2009**, 191, 1311-9	3.5	55
102	Degradation of host sphingomyelin is essential for Leishmania virulence. *PLoS Pathogens*, **2009**, 5, e1000692	7.2	47
101	Characterization of new metabolites from in vivo biotransformation of 2-amino-3-methylimidazo[4,5-f]quinoline in mouse by mass spectrometry. *Journal of Mass Spectrometry*, **2009**, 44, 1359-68	2.2	0
100	Isolation and identification of two novel SDS-resistant secreted chitinases from Aeromonas schubertii. *Biotechnology Progress*, **2009**, 25, 124-31	2.8	23
99	Electrospray ionization with low-energy collisionally activated dissociation tandem mass spectrometry of glycerophospholipids: mechanisms of fragmentation and structural characterization. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2009**, 877, 2673-95	3.2	253
98	Immunologic glycosphingolipidomics and NKT cell development in mouse thymus. *Journal of Proteome Research*, **2009**, 8, 2740-51	5.6	43
97	Developmentally regulated sphingolipid synthesis in African trypanosomes. *Molecular Microbiology*, **2008**, 70, 281-96	4.1	64
96	Structural characterization of sulfated steroids that activate mouse pheromone-sensing neurons. *Biochemistry*, **2008**, 47, 14009-19	3.2	21
95	Effectors of rapid homeostatic responses of endoplasmic reticulum cholesterol and 3-hydroxy-3-methylglutaryl-CoA reductase. *Journal of Biological Chemistry*, **2008**, 283, 1445-1455	5.4	87
94	Sulfated steroids as natural ligands of mouse pheromone-sensing neurons. *Journal of Neuroscience*, **2008**, 28, 6407-18	6.6	155
93	Elucidation of the double-bond position of long-chain unsaturated fatty acids by multiple-stage linear ion-trap mass spectrometry with electrospray ionization. *Journal of the American Society for Mass Spectrometry*, **2008**, 19, 1673-80	3.5	85
92	Structural characterization of unsaturated glycerophospholipids by multiple-stage linear ion-trap mass spectrometry with electrospray ionization. *Journal of the American Society for Mass Spectrometry*, **2008**, 19, 1681-91	3.5	96
91	Novel carbonyl and nitrile products from reactive chlorinating species attack of lysosphingolipid. *Chemistry and Physics of Lipids*, **2007**, 145, 72-84	3.7	16
90	Structural characterization of phosphatidyl-myo-inositol mannosides from Mycobacterium bovis Bacillus Calmette Guérin by multiple-stage quadrupole ion-trap mass spectrometry with electrospray ionization. I. PIMs and lyso-PIMs. *Journal of the American Society for Mass Spectrometry*	3.5	44
89	Structural characterization of phosphatidyl-myo-inositol mannosides from Mycobacterium bovis Bacillus Calmette Guérin by multiple-stage quadrupole ion-trap mass spectrometry with electrospray ionization. II. Monoacyl- and diacyl-PIMs. *Journal of the American Society for Mass Spectrometry*, **2007**, 18, 479-92	3.5	43
88	Electrospray ionization multiple stage quadrupole ion-trap and tandem quadrupole mass spectrometric studies on phosphatidylglycerol from Arabidopsis leaves. *Journal of the American Society for Mass Spectrometry*, **2007**, 18, 783-90	3.5	41

87	Characterization of inositol phosphorylceramides from Leishmania major by tandem mass spectrometry with electrospray ionization. *Journal of the American Society for Mass Spectrometry*, **2007**, 18, 1591-604	3.5	59
86	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. *Journal of the American Society for Mass Spectrometry*, **2007**, 18, 1848-58	3.5	84
85	Differentiation of 1-O-alk-1Renyl-2-acyl and 1-O-alkyl-2-acyl glycerophospholipids by multiple-stage linear ion-trap mass spectrometry with electrospray ionization. *Journal of the American Society for Mass Spectrometry*, **2007**, 18, 2065-73	3.5	61
84	Redirection of sphingolipid metabolism toward de novo synthesis of ethanolamine in Leishmania. *EMBO Journal*, **2007**, 26, 1094-104	13	95
83	Anionic lipids enriched at the ExPortal of Streptococcus pyogenes. *Journal of Bacteriology*, **2007**, 189, 801-6	3.5	46
82	Myeloperoxidase-derived 2-chlorohexadecanal forms Schiff bases with primary amines of ethanolamine glycerophospholipids and lysine. *Chemistry and Physics of Lipids*, **2006**, 139, 157-70	3.7	26
81	Matrix metalloproteinase-9 degrades amyloid-beta fibrils in vitro and compact plaques in situ. *Journal of Biological Chemistry*, **2006**, 281, 24566-74	5.4	254
80	Matrix metalloproteinases expressed by astrocytes mediate extracellular amyloid-beta peptide catabolism. *Journal of Neuroscience*, **2006**, 26, 10939-48	6.6	269
79	A bromoenol lactone suicide substrate inactivates group VIA phospholipase A2 by generating a diffusible bromomethyl keto acid that alkylates cysteine thiols. *Biochemistry*, **2006**, 45, 1061-73	3.2	47
78	Identification of the lipopolysaccharide modifications controlled by the Salmonella PmrA/PmrB system mediating resistance to Fe(III) and Al(III). *Molecular Microbiology*, **2006**, 61, 645-54	4.1	67
77	Selective plasmenylcholine oxidation by hypochlorous acid: formation of lysophosphatidylcholine chlorohydrins. *Chemistry and Physics of Lipids*, **2006**, 144, 34-44	3.7	29
76	Characterization of cardiolipin from Escherichia coli by electrospray ionization with multiple stage quadrupole ion-trap mass spectrometric analysis of [M - 2H + Na]- ions. *Journal of the American Society for Mass Spectrometry*, **2006**, 17, 420-9	3.5	57
75	Characterization of cardiolipin as the sodiated ions by positive-ion electrospray ionization with multiple stage quadrupole ion-trap mass spectrometry. *Journal of the American Society for Mass Spectrometry*, **2006**, 17, 1146-57	3.5	44
74	Structural characterization of cardiolipin by tandem quadrupole and multiple-stage quadrupole ion-trap mass spectrometry with electrospray ionization. *Journal of the American Society for Mass Spectrometry*, **2005**, 16, 491-504	3.5	109
73	Ionic-liquid matrices for improved analysis of phospholipids by MALDI-TOF mass spectrometry. *Journal of the American Society for Mass Spectrometry*, **2005**, 16, 679-82	3.5	124
72	Studies on phosphatidylserine by tandem quadrupole and multiple stage quadrupole ion-trap mass spectrometry with electrospray ionization: structural characterization and the fragmentation processes. *Journal of the American Society for Mass Spectrometry*, **2005**, 16, 1510-1522	3.5	122
71	Leishmania salvage and remodelling of host sphingolipids in amastigote survival and acidocalcisome biogenesis. *Molecular Microbiology*, **2005**, 55, 1566-78	4.1	85
70	Progressive lung disease and surfactant dysfunction with a deletion in surfactant protein C gene. *American Journal of Respiratory Cell and Molecular Biology*, **2004**, 30, 771-6	5.7	103

69	The PmrA-regulated pmrC gene mediates phosphoethanolamine modification of lipid A and polymyxin resistance in Salmonella enterica. *Journal of Bacteriology*, **2004**, 186, 4124-33	3.5	238
68	Islet complex lipids: involvement in the actions of group VIA calcium-independent phospholipase A(2) in beta-cells. *Diabetes*, **2004**, 53 Suppl 1, S179-85	0.9	24
67	PhoP-regulated Salmonella resistance to the antimicrobial peptides magainin 2 and polymyxin B. *Molecular Microbiology*, **2004**, 53, 229-41	4.1	119
66	Characterization of acylphosphatidylglycerols from Salmonella typhimurium by tandem mass spectrometry with electrospray ionization. *Journal of the American Society for Mass Spectrometry*, **2004**, 15, 1-11	3.5	55
65	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. *Journal of the American Society for Mass Spectrometry*, **2004**, 15, 536-46	3.5	89
64	Characterization of N-terminal processing of group VIA phospholipase A2 and of potential cleavage sites of amyloid precursor protein constructs by automated identification of signature peptides in LC/MS/MS analyses of proteolytic digests. *Journal of the American Society for Mass Spectrometry*, **2004**, 15, 1780-93	3.5	15
63	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. *Biochemistry*, **2004**, 43, 918-30	3.2	82
62	Sphingolipids are essential for differentiation but not growth in Leishmania. *EMBO Journal*, **2003**, 22, 6016-26	13	87
61	Structural distinction among inositol phosphate isomers using high-energy and low-energy collisional-activated dissociation tandem mass spectrometry with electrospray ionization. *Journal of Mass Spectrometry*, **2003**, 38, 447-57	2.2	17
60	Characterization of alkylacyl, alk-1-enylacyl and lyso subclasses of glycerophosphocholine by tandem quadrupole mass spectrometry with electrospray ionization. *Journal of Mass Spectrometry*, **2003**, 38, 752-63	2.2	104
59	Electrospray ionization/tandem quadrupole mass spectrometric studies on phosphatidylcholines: the fragmentation processes. *Journal of the American Society for Mass Spectrometry*, **2003**, 14, 352-63	3.5	267
58	Identification and macrophage-activating activity of glycolipids released from intracellular Mycobacterium bovis BCG. *Molecular Microbiology*, **2003**, 48, 875-88	4.1	91
57	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. *Biochemistry*, **2003**, 42, 13929-40	3.2	35
56	Identification of alpha-chloro fatty aldehydes and unsaturated lysophosphatidylcholine molecular species in human atherosclerotic lesions. *Circulation*, **2003**, 108, 3128-33	16.7	167
55	Myeloperoxidase-derived reactive chlorinating species from human monocytes target plasmalogens in low density lipoprotein. *Journal of Biological Chemistry*, **2003**, 278, 36365-72	5.4	74
54	Characterization of ceramides by low energy collisional-activated dissociation tandem mass spectrometry with negative-ion electrospray ionization. *Journal of the American Society for Mass Spectrometry*, **2002**, 13, 558-70	3.5	103
53	Structural studies on ceramides as lithiated adducts by low energy collisional-activated dissociation tandem mass spectrometry with electrospray ionization. *Journal of the American Society for Mass Spectrometry*, **2002**, 13, 680-95	3.5	88
52	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. *Journal of Biological Chemistry*, **2002**, 277, 4694-703	5.4	23

51	Reactive chlorinating species produced during neutrophil activation target tissue plasmalogens: production of the chemoattractant, 2-chlorohexadecanal. *Journal of Biological Chemistry*, **2002**, 277, 3842-9	5.4	72
50	Delta6-, Stearoyl CoA-, and Delta5-desaturase enzymes are expressed in beta-cells and are altered by increases in exogenous PUFA concentrations. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2002**, 1580, 40-56	5	15
49	Studies of phospholipid metabolism, proliferation, and secretion of stably transfected insulinoma cells that overexpress group VIA phospholipase A2. *Lipids*, **2001**, 36, 689-700	1.6	42
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47	Studies on phosphatidylglycerol with triple quadrupole tandem mass spectrometry with electrospray ionization: Fragmentation processes and structural characterization. *Journal of the American Society for Mass Spectrometry*, **2001**, 12, 1036-1043	3.5	135
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