

Fong-Fu Hsu

List of Publications by Year in descending order

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194
papers

16,180
citations

10389
72
h-index

17592
121
g-index

205
all docs

205
docs citations

205
times ranked

17831
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. | 2.8 | 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. | 3.0 | 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. | 3.7 | 8 |
| 4 | Electrospray ionization with higher-energy collision dissociation tandem mass spectrometry toward characterization of ceramides as $[M+Li]^+$ ions: Mechanisms of fragmentation and structural identification. <i>Analytica Chimica Acta</i> , 2021, 1142, 221-234. | 5.4 | 9 |
| 5 | CEPT1-Mediated Phospholipogenesis Regulates Endothelial Cell Function and Ischemia-Induced Angiogenesis Through PPAR α . <i>Diabetes</i> , 2021, 70, 549-561. | 0.6 | 11 |
| 6 | Mass Spectrometry-Based Lipidomics: An Overview. <i>Methods in Molecular Biology</i> , 2021, 2306, 1-10. | 0.9 | 2 |
| 7 | Endothelial ether lipids link the vasculature to blood pressure, behavior, and neurodegeneration. <i>Journal of Lipid Research</i> , 2021, 62, 100079. | 4.2 | 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. | 0.9 | 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. | 0.9 | 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. | 0.9 | 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. | 3.9 | 16 |
| 12 | Targeting a Radiosensitizing Antibody-Drug Conjugate to a Radiation-Inducible Antigen. <i>Clinical Cancer Research</i> , 2021, 27, 3224-3233. | 7.0 | 9 |
| 13 | Glucose-mediated de novo lipogenesis in photoreceptors drives early diabetic retinopathy. <i>Journal of Biological Chemistry</i> , 2021, 297, 101104. | 3.4 | 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. | 0.9 | 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 Tetraacyltrehalose Family. <i>Biochemistry</i> , 2021, 60, 381-397. | 2.5 | 5 |
| 16 | Shotgun Lipidomic Analysis of <i>Leishmania</i> Cells. <i>Methods in Molecular Biology</i> , 2021, 2306, 215-225. | 0.9 | 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. | 2.6 | 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, . | 2.9 | 7 |

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|----|--|------|-----------|
| 19 | Alpha-crystallin mutations alter lens metabolites in mouse models of human cataracts. PLoS ONE, 2020, 15, e0238081. | 2.5 | 12 |
| 20 | 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. | 2.8 | 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. Journal of the American Society for Mass Spectrometry, 2020, 31, 611-623. | 2.8 | 3 |
| 22 | Loss of lipin 1-mediated phosphatidic acid phosphohydrolase activity in muscle leads to skeletal myopathy in mice. FASEB Journal, 2019, 33, 652-667. | 0.5 | 30 |
| 23 | 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. | 2.9 | 73 |
| 24 | 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. | 3.3 | 17 |
| 25 | N-acyl-O-phosphocholineserines: structures of a novel class of lipids that are biomarkers for Niemann-Pick C1 disease. Journal of Lipid Research, 2019, 60, 1410-1424. | 4.2 | 31 |
| 26 | Phosphatidylcholine synthesis through cholinephosphate cytidylyltransferase is dispensable in <i>Leishmania major</i> . Scientific Reports, 2019, 9, 7602. | 3.3 | 17 |
| 27 | PrfA activation in <i>Listeria monocytogenes</i> increases the sensitivity to class IIa bacteriocins despite impaired expression of the bacteriocin receptor. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1283-1291. | 2.4 | 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> . Separations, 2019, 6, 4. | 2.4 | 7 |
| 29 | Aldehyde adducts inhibit 3,4-dihydroxyphenylacetaldehyde-induced α -synuclein aggregation and toxicity: Implication for Parkinson neuroprotective therapy. European Journal of Pharmacology, 2019, 845, 65-73. | 3.5 | 18 |
| 30 | Sterol methyltransferase is required for optimal mitochondrial function and virulence in <i>Leishmania major</i> . Molecular Microbiology, 2019, 111, 65-81. | 2.5 | 39 |
| 31 | Peroxisome-derived lipids regulate adipose thermogenesis by mediating cold-induced mitochondrial fission. Journal of Clinical Investigation, 2019, 129, 694-711. | 8.2 | 95 |
| 32 | Direct binding of phosphatidylglycerol at specific sites modulates desensitization of a ligand-gated ion channel. ELife, 2019, 8, . | 6.0 | 34 |
| 33 | Diabetes adversely affects phospholipid profiles in human carotid artery endarterectomy plaques. Journal of Lipid Research, 2018, 59, 730-738. | 4.2 | 13 |
| 34 | Cyclopropane fatty acid synthesis affects cell shape and acid resistance in <i>Leishmania mexicana</i> . International Journal for Parasitology, 2018, 48, 245-256. | 3.1 | 11 |
| 35 | Lipid metabolism of phenol-tolerant <i>Rhodococcus opacus</i> strains for lignin bioconversion. Biotechnology for Biofuels, 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. Nature Microbiology, 2018, 3, 1099-1108. | 13.3 | 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. Journal of the American Society for Mass Spectrometry, 2018, 29, 1688-1699. | 2.8 | 19 |
| 38 | Mass spectrometry-based shotgun lipidomics – a critical review from the technical point of view. Analytical and Bioanalytical Chemistry, 2018, 410, 6387-6409. | 3.7 | 103 |
| 39 | Mechanism of High-Level Daptomycin Resistance in <i>Corynebacterium striatum</i> . MSphere, 2018, 3, . | 2.9 | 28 |
| 40 | Retinal de novo lipogenesis coordinates neurotrophic signaling to maintain vision. JCI Insight, 2018, 3, . | 5.0 | 18 |
| 41 | Evaluation of cardiolipin nanodisks as lipid replacement therapy for Barth syndrome. Journal of Biomedical Research, 2018, 32, 107-112. | 1.6 | 14 |
| 42 | Linear ion-trap MSn with high-resolution MS reveals structural diversity of 1-O-acylceramide family in mouse epidermis. Journal of Lipid Research, 2017, 58, 772-782. | 4.2 | 11 |
| 43 | <i>Mycobacterium tuberculosis</i> 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. | 7.1 | 138 |
| 44 | PexRAP Inhibits PRDM16-Mediated Thermogenic Gene Expression. Cell Reports, 2017, 20, 2766-2774. | 6.4 | 32 |
| 45 | Plasmenylethanolamine synthesis in <i>Leishmania major</i> . Molecular Microbiology, 2016, 101, 238-249. | 2.5 | 16 |
| 46 | Wnt Protein Signaling Reduces Nuclear Acetyl-CoA Levels to Suppress Gene Expression during Osteoblast Differentiation. Journal of Biological Chemistry, 2016, 291, 13028-13039. | 3.4 | 43 |
| 47 | 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. | 4.2 | 3 |
| 48 | Complete structural characterization of ceramides as [M+H] ⁺ ions by multiple-stage linear ion trap mass spectrometry. Biochimie, 2016, 130, 63-75. | 2.6 | 43 |
| 49 | Development of a bile acid-based newborn screen for Niemann-Pick disease type C. Science Translational Medicine, 2016, 8, 337ra63. | 12.4 | 89 |
| 50 | Characterization of phthiocerol and phthiodiolone dimycocerosate esters of M. tuberculosis by multiple-stage linear ion-trap MS. Journal of Lipid Research, 2016, 57, 142-155. | 4.2 | 19 |
| 51 | 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, 622-632. | 2.8 | 17 |
| 52 | Peroxisomal Lipid Synthesis Regulates Inflammation by Sustaining Neutrophil Membrane Phospholipid Composition and Viability. Cell Metabolism, 2015, 21, 51-64. | 16.2 | 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. Analytical and Bioanalytical Chemistry, 2015, 407, 2519-2528. | 3.7 | 26 |
| 54 | Exogenous cardiolipin localizes to mitochondria and prevents TAZ knockdown-induced apoptosis in myeloid progenitor cells. Biochemical and Biophysical Research Communications, 2015, 464, 580-585. | 2.1 | 28 |

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|----|---|------|-----------|
| 55 | Malaria Parasites Produce Volatile Mosquito Attractants. MBio, 2015, 6, . | 4.1 | 61 |
| 56 | Identification of a Potent Microbial Lipid Antigen for Diverse NKT Cells. Journal of Immunology, 2015, 195, 2540-2551. | 0.8 | 40 |
| 57 | Sterol Biosynthesis Is Required for Heat Resistance but Not Extracellular Survival in Leishmania. PLoS Pathogens, 2014, 10, e1004427. | 4.7 | 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> . Journal of Mass Spectrometry, 2014, 49, 201-209. | 1.6 | 23 |
| 59 | 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, 13433-13438. | 7.1 | 83 |
| 60 | Memory CD8+ T Cells Use Cell-Intrinsic Lipolysis to Support the Metabolic Programming Necessary for Development. Immunity, 2014, 41, 75-88. | 14.3 | 650 |
| 61 | 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, 1412-1420. | 2.8 | 25 |
| 62 | 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, 7415-7426. | 3.7 | 16 |
| 63 | Development and validation of LC-MS/MS method for determination of very long acyl chain (C22:0 and C24:0) in Tj ETQq1 1,0,784314 rgBT /O | 3.7 | 26 |
| 64 | Sphingosine kinase A is a pleiotropic and essential enzyme for <i>Leishmania</i> survival and virulence. Molecular Microbiology, 2013, 90, 489-501. | 2.5 | 9 |
| 65 | Diversion of phagosome trafficking by pathogenic <i>Rhodococcus equi</i> depends on mycolic acid chain length. Cellular Microbiology, 2013, 15, 458-473. | 2.1 | 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. Analytica Chimica Acta, 2013, 771, 73-85. | 5.4 | 8 |
| 67 | 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, 24213-24222. | 3.4 | 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. Journal of Biological Chemistry, 2013, 288, 3964-3976. | 3.4 | 31 |
| 69 | 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, 1827-1832. | 7.1 | 129 |
| 70 | Type I Phosphatidylinositol 4-Phosphate 5-Kinase β Regulates Osteoclasts in a Bifunctional Manner*. Journal of Biological Chemistry, 2013, 288, 5268-5277. | 3.4 | 6 |
| 71 | Liver fatty acid binding protein (L-Fabp) modulates murine stellate cell activation and diet-induced nonalcoholic fatty liver disease. Hepatology, 2013, 57, 2202-2212. | 7.3 | 68 |
| 72 | Selective hepatic insulin resistance in a murine model heterozygous for a mitochondrial trifunctional protein defect. Hepatology, 2013, 57, 2213-2223. | 7.3 | 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. Journal of Biological Chemistry, 2012, 287, 38778-38789. | 3.4 | 32 |
| 74 | Inhibiting Adipose Tissue Lipogenesis Reprograms Thermogenesis and PPAR β Activation to Decrease Diet-Induced Obesity. Cell Metabolism, 2012, 16, 189-201. | 16.2 | 205 |
| 75 | Structural determination of glycopeptidolipids of <i>Mycobacterium smegmatis</i> by high-resolution multiple-stage linear ion-trap mass spectrometry with electrospray ionization. Journal of Mass Spectrometry, 2012, 47, 1269-1281. | 1.6 | 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. Journal of Mass Spectrometry, 2012, 47, 115-123. | 1.6 | 30 |
| 77 | Invariant natural killer T cells recognize lipid self antigen induced by microbial danger signals. Nature Immunology, 2011, 12, 1202-1211. | 14.5 | 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. Biochemistry, 2011, 50, 9135-9147. | 2.5 | 29 |
| 79 | Immunologic mapping of glycomes: implications for cancer diagnosis and therapy. Frontiers in Bioscience - Scholar, 2011, S3, 1520. | 2.1 | 3 |
| 80 | <i>apABC</i> : a <i>Mycobacterium tuberculosis</i> complex-specific locus that modulates pH-driven adaptation to the macrophage phagosome. Molecular Microbiology, 2011, 80, 678-694. | 2.5 | 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. Journal of the American Society for Mass Spectrometry, 2011, 22, 2160-2170. | 2.8 | 17 |
| 82 | Characterization of mycolic acids from the pathogen <i>Rhodococcus equi</i> by tandem mass spectrometry with electrospray ionization. Analytical Biochemistry, 2011, 409, 112-122. | 2.4 | 37 |
| 83 | 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, 1163-1177. | 8.5 | 239 |
| 84 | Ncb5or Deficiency Increases Fatty Acid Catabolism and Oxidative Stress. Journal of Biological Chemistry, 2011, 286, 11141-11154. | 3.4 | 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. Journal of the American Society for Mass Spectrometry, 2010, 21, 657-669. | 2.8 | 117 |
| 86 | Caseation of human tuberculosis granulomas correlates with elevated host lipid metabolism. EMBO Molecular Medicine, 2010, 2, 258-274. | 6.9 | 417 |
| 87 | 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, 1863-1869. | 2.8 | 16 |
| 88 | Jasmonate perception by inositol-phosphate-potentiated COI1-JAZ co-receptor. Nature, 2010, 468, 400-405. | 27.8 | 1,192 |
| 89 | Deletion of UDP-glucose pyrophosphorylase reveals a UDP-glucose independent UDP-galactose salvage pathway in <i>Leishmania major</i> . Glycobiology, 2010, 20, 872-882. | 2.5 | 18 |
| 90 | Cell-free Synthesis and Functional Characterization of Sphingolipid Synthases from Parasitic Trypanosomatid Protozoa. Journal of Biological Chemistry, 2010, 285, 20580-20587. | 3.4 | 37 |

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|-----|--|-----|-----------|
| 91 | Identification of New 2-Amino-3-methylimidazo[4,5- <i>f</i>]quinoline Urinary Metabolites from β -Naphthoflavone-Treated Mice. <i>Drug Metabolism and Disposition</i> , 2009, 37, 1690-1697. | 3.3 | 3 |
| 92 | <i>Mycobacterium abscessus</i> Glycopeptidolipids Mask Underlying Cell Wall Phosphatidyl-myoinositol Mannosides Blocking Induction of Human Macrophage TNF- α by Preventing Interaction with TLR2. <i>Journal of Immunology</i> , 2009, 183, 1997-2007. | 0.8 | 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. | 2.2 | 75 |
| 94 | Degradation of Host Sphingomyelin Is Essential for Leishmania Virulence. <i>PLoS Pathogens</i> , 2009, 5, e1000692. | 4.7 | 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. | 1.6 | 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. | 2.6 | 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. | 2.3 | 299 |
| 98 | Immunologic Glycosphingolipidomics and NKT Cell Development in Mouse Thymus. <i>Journal of Proteome Research</i> , 2009, 8, 2740-2751. | 3.7 | 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. | 2.8 | 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. | 2.8 | 104 |
| 101 | Developmentally regulated sphingolipid synthesis in African trypanosomes. <i>Molecular Microbiology</i> , 2008, 70, 281-296. | 2.5 | 80 |
| 102 | Structural Characterization of Sulfated Steroids That Activate Mouse Pheromone-Sensing Neurons. <i>Biochemistry</i> , 2008, 47, 14009-14019. | 2.5 | 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. | 3.4 | 91 |
| 104 | Sulfated Steroids as Natural Ligands of Mouse Pheromone-Sensing Neurons. <i>Journal of Neuroscience</i> , 2008, 28, 6407-6418. | 3.6 | 174 |
| 105 | Anionic Lipids Enriched at the ExPortal of <i>Streptococcus pyogenes</i> . <i>Journal of Bacteriology</i> , 2007, 189, 801-806. | 2.2 | 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. | 3.2 | 18 |
| 107 | Structural characterization of phosphatidyl-myoinositol 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. | 2.8 | 48 |
| 108 | Structural characterization of phosphatidyl-myoinositol 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. | 2.8 | 52 |

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|-----|--|-----|-----------|
| 109 | 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, 783-790. | 2.8 | 47 |
| 110 | Characterization of inositol phosphorylceramides from Leishmania major by tandem mass spectrometry with electrospray ionization. Journal of the American Society for Mass Spectrometry, 2007, 18, 1591-1604. | 2.8 | 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. Journal of the American Society for Mass Spectrometry, 2007, 18, 1848-1858. | 2.8 | 89 |
| 112 | Differentiation of 1-O-alk-1- ϵ^2 -enyl-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, 2065-2073. | 2.8 | 67 |
| 113 | Redirection of sphingolipid metabolism toward de novo synthesis of ethanolamine in Leishmania. EMBO Journal, 2007, 26, 1094-1104. | 7.8 | 108 |
| 114 | Matrix Metalloproteinases Expressed by Astrocytes Mediate Extracellular Amyloid-beta Peptide Catabolism. Journal of Neuroscience, 2006, 26, 10939-10948. | 3.6 | 314 |
| 115 | A Bromoenol Lactone Suicide Substrate Inactivates Group VIA Phospholipase A ₂ by Generating a Diffusible Bromomethyl Keto Acid That Alkylates Cysteine Thiols. Biochemistry, 2006, 45, 1061-1073. | 2.5 | 53 |
| 116 | Identification of the lipopolysaccharide modifications controlled by the Salmonella PmrA/PmrB system mediating resistance to Fe(III) and Al(III). Molecular Microbiology, 2006, 61, 645-654. | 2.5 | 76 |
| 117 | Selective plasmenechol oxidation by hypochlorous acid: formation of lysophosphatidylcholine chlorohydrins. Chemistry and Physics of Lipids, 2006, 144, 34-44. | 3.2 | 31 |
| 118 | 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, 420-429. | 2.8 | 63 |
| 119 | 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, 1146-1157. | 2.8 | 51 |
| 120 | Myeloperoxidase-derived 2-chlorohexadecanal forms Schiff bases with primary amines of ethanolamine glycerophospholipids and lysine. Chemistry and Physics of Lipids, 2006, 139, 157-170. | 3.2 | 29 |
| 121 | Matrix Metalloproteinase-9 Degrades Amyloid- β^2 Fibrils in Vitro and Compact Plaques in Situ. Journal of Biological Chemistry, 2006, 281, 24566-24574. | 3.4 | 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. Journal of the American Society for Mass Spectrometry, 2005, 16, 491-504. | 2.8 | 119 |
| 124 | Ionic-liquid matrices for improved analysis of phospholipids by MALDI-TOF mass spectrometry. Journal of the American Society for Mass Spectrometry, 2005, 16, 679-682. | 2.8 | 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. Journal of the American Society for Mass Spectrometry, 2005, 16, 1510-1522. | 2.8 | 133 |
| 126 | Leishmania salvage and remodelling of host sphingolipids in amastigote survival and acidocalcisome biogenesis. Molecular Microbiology, 2005, 55, 1566-1578. | 2.5 | 101 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Progressive Lung Disease and Surfactant Dysfunction with a Deletion in Surfactant Protein C Gene. American Journal of Respiratory Cell and Molecular Biology, 2004, 30, 771-776. | 2.9 | 114 |
| 128 | The PmrA-Regulated pmrC Gene Mediates Phosphoethanolamine Modification of Lipid A and Polymyxin Resistance in Salmonella enterica. Journal of Bacteriology, 2004, 186, 4124-4133. | 2.2 | 286 |
| 129 | Islet Complex Lipids: Involvement in the Actions of Group VIA Calcium-Independent Phospholipase A2 in β -Cells. Diabetes, 2004, 53, S179-S185. | 0.6 | 25 |
| 130 | PhoP-regulated <i>Salmonella</i> resistance to the antimicrobial peptides magainin 2 and polymyxin B. Molecular Microbiology, 2004, 53, 229-241. | 2.5 | 135 |
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