

Toshihide Kobayashi

List of Publications by Year in descending order

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Version: 2024-02-01

186
papers

10,945
citations

30047

54
h-index

36008

97
g-index

198
all docs

198
docs citations

198
times ranked

11916
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | MOSPD2 is an endoplasmic reticulumâ€“lipid droplet tether functioning in LD homeostasis. <i>Journal of Cell Biology</i> , 2022, 221, . | 2.3 | 13 |
| 2 | A novel sterol-binding protein reveals heterogeneous cholesterol distribution in neurite outgrowth and in late endosomes/lysosomes. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, . | 2.4 | 3 |
| 3 | Imaging Sphingomyelin- and Cholesterol-Enriched Domains in the Plasma Membrane Using a Novel Probe and Super-Resolution Microscopy. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1310, 81-90. | 0.8 | 2 |
| 4 | Impact of Intrinsic and Extrinsic Factors on Cellular Sphingomyelin Imaging with Specific Reporter Proteins. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2021, 4, 251525642110424. | 0.4 | 4 |
| 5 | Imaging cholesterol depletion at the plasma membrane by methyl- β -cyclodextrin. <i>Journal of Lipid Research</i> , 2021, 62, 100077. | 2.0 | 9 |
| 6 | Direct homophilic interaction of LAMP2A with the two-domain architecture revealed by site-directed photo-crosslinks and steric hindrances in mammalian cells. <i>Autophagy</i> , 2021, 17, 4286-4304. | 4.3 | 9 |
| 7 | Extreme deformability of insect cell membranes is governed by phospholipid scrambling. <i>Cell Reports</i> , 2021, 35, 109219. | 2.9 | 25 |
| 8 | The use of pore-forming toxins to image lipids and lipid domains. <i>Methods in Enzymology</i> , 2021, 649, 503-542. | 0.4 | 10 |
| 9 | PMP2/FABP8 induces PI(4,5)P2-dependent transbilayer reorganization of sphingomyelin in the plasma membrane. <i>Cell Reports</i> , 2021, 37, 109935. | 2.9 | 22 |
| 10 | Wrapping axons in mammals and <i>Drosophila</i> : Different lipids, same principle. <i>Biochimie</i> , 2020, 178, 39-48. | 1.3 | 3 |
| 11 | Cholesterol asymmetry at the tip of filopodia during cell adhesion. <i>FASEB Journal</i> , 2020, 34, 6185-6197. | 0.2 | 13 |
| 12 | Formation of tubules and helical ribbons by ceramide phosphoethanolamine-containing membranes. <i>Scientific Reports</i> , 2019, 9, 5812. | 1.6 | 12 |
| 13 | Intracellular and Plasma Membrane Cholesterol Labeling and Quantification Using Filipin and GFP-D4. <i>Methods in Molecular Biology</i> , 2019, 1949, 137-152. | 0.4 | 39 |
| 14 | <sc>NPC</sc> 1 enables cholesterol mobilization during long-term potentiation that can be restored in Niemannâ€“Pick disease type C by <sc>CYP</sc> 46A1 activation. <i>EMBO Reports</i> , 2019, 20, e48143. | 2.0 | 44 |
| 15 | Plasma membrane sphingomyelin modulates thymocyte development by inhibiting TCR-induced apoptosis. <i>International Immunology</i> , 2019, 31, 211-223. | 1.8 | 10 |
| 16 | Transbilayer lipid asymmetry. <i>Current Biology</i> , 2018, 28, R386-R391. | 1.8 | 110 |
| 17 | Molecular mechanisms of action of sphingomyelin-specific pore-forming toxin, lysenin. <i>Seminars in Cell and Developmental Biology</i> , 2018, 73, 188-198. | 2.3 | 30 |
| 18 | Protein probes to visualize sphingomyelin and ceramide phosphoethanolamine. <i>Chemistry and Physics of Lipids</i> , 2018, 216, 132-141. | 1.5 | 20 |

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|----|--|-----|-----------|
| 19 | Raft-based sphingomyelin interactions revealed by new fluorescent sphingomyelin analogs. <i>Journal of Cell Biology</i> , 2017, 216, 1183-1204. | 2.3 | 108 |
| 20 | <scp>STARD</scp>3 mediates endoplasmic reticulumâ€toâ€endosome cholesterol transport at membrane contact sites. <i>EMBO Journal</i> , 2017, 36, 1412-1433. | 3.5 | 191 |
| 21 | Photoswitchable phospholipid FRET acceptor: Detergent free intermembrane transfer assay of fluorescent lipid analogs. <i>Scientific Reports</i> , 2017, 7, 2900. | 1.6 | 2 |
| 22 | In Situ STM and Vibrational Study of Nanometer-Scale Reorganization of a Phospholipid Monolayer Accompanied by Potential-Driven Headgroup Digestion. <i>Langmuir</i> , 2017, 33, 13157-13167. | 1.6 | 4 |
| 23 | Eudicot plant-specific sphingolipids determine host selectivity of microbial NLP cytolysins. <i>Science</i> , 2017, 358, 1431-1434. | 6.0 | 167 |
| 24 | Dynamics of sphingomyelin- and cholesterol-enriched lipid domains during cytokinesis. <i>Methods in Cell Biology</i> , 2017, 137, 15-24. | 0.5 | 16 |
| 25 | A novel sphingomyelin/cholesterol domainâ€specific probe reveals the dynamics of the membrane domains during virus release and in Niemannâ€Pick type C. <i>FASEB Journal</i> , 2017, 31, 1301-1322. | 0.2 | 34 |
| 26 | PDMP, a ceramide analogue, acts as an inhibitor of mTORC1 by inducing its translocation from lysosome to endoplasmic reticulum. <i>Experimental Cell Research</i> , 2017, 350, 103-114. | 1.2 | 14 |
| 27 | Complementation analysis reveals a potential role of human <i>ARV1</i> in GPI anchor biosynthesis. <i>Yeast</i> , 2016, 33, 37-42. | 0.8 | 13 |
| 28 | Plasma Membrane Origin of the Steroidogenic Pool of Cholesterol Used in Hormone-induced Acute Steroid Formation in Leydig Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 26109-26125. | 1.6 | 41 |
| 29 | Psychosine-triggered endomitosis is modulated by membrane sphingolipids through regulation of phosphoinositide 4,5-bisphosphate production at the cleavage furrow. <i>Molecular Biology of the Cell</i> , 2016, 27, 2037-2050. | 0.9 | 8 |
| 30 | Stimulatory effects of combined endocrine disruptors on MA-10 Leydig cell steroid production and lipid homeostasis. <i>Toxicology</i> , 2016, 355-356, 21-30. | 2.0 | 25 |
| 31 | Acute accumulation of free cholesterol induces the degradation of perilipin 2 and Rab18-dependent fusion of ER and lipid droplets in cultured human hepatocytes. <i>Molecular Biology of the Cell</i> , 2016, 27, 3293-3304. | 0.9 | 21 |
| 32 | Detection of Sphingomyelin Clusters by Raman Spectroscopy. <i>Biophysical Journal</i> , 2016, 111, 999-1007. | 0.2 | 35 |
| 33 | Probing phosphoethanolamine-containing lipids in membranes with duramycin/cinnamycin and aegerolysin proteins. <i>Biochimie</i> , 2016, 130, 81-90. | 1.3 | 25 |
| 34 | Formation of Ordered Phospholipid Monolayer on a Hydrophilically Modified Au(111) Substrate. <i>ACS Nano</i> , 2016, 10, 7811-7820. | 7.3 | 4 |
| 35 | Activation of STING requires palmitoylation at the Golgi. <i>Nature Communications</i> , 2016, 7, 11932. | 5.8 | 436 |
| 36 | Crystal structure of an invertebrate cytolysin pore reveals unique properties and mechanism of assembly. <i>Nature Communications</i> , 2016, 7, 11598. | 5.8 | 71 |

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|----|---|-----|-----------|
| 37 | Intrinsically disordered region of influenza A NP regulates viral genome packaging via interactions with viral RNA and host PI(4,5)P 2. <i>Virology</i> , 2016, 496, 116-126. | 1.1 | 18 |
| 38 | Phospholipase C α 21 induces membrane tubulation and is involved in caveolae formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7834-7839. | 3.3 | 28 |
| 39 | Effect of Cholesterol on the Interaction of Cytochrome P450 Substrate Drug Chlorzoxazone with the Phosphatidylcholine Bilayer. <i>Biochemistry</i> , 2016, 55, 3888-3898. | 1.2 | 13 |
| 40 | Detectors for evaluating the cellular landscape of sphingomyelin- and cholesterol-rich membrane domains. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 812-829. | 1.2 | 41 |
| 41 | Pore-forming toxins: Properties, diversity, and uses as tools to image sphingomyelin and ceramide phosphoethanolamine. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 576-592. | 1.4 | 29 |
| 42 | Assemblies of pore-forming toxins visualized by atomic force microscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 500-511. | 1.4 | 30 |
| 43 | Revisiting transbilayer distribution of lipids in the plasma membrane. <i>Chemistry and Physics of Lipids</i> , 2016, 194, 58-71. | 1.5 | 47 |
| 44 | Asymmetrical diacylglycerol dynamics on the cytosolic and luminal sides of a single endomembrane in living cells. <i>Scientific Reports</i> , 2015, 5, 12960. | 1.6 | 5 |
| 45 | Development of a Novel Tetravalent Synthetic Peptide That Binds to Phosphatidic Acid. <i>PLoS ONE</i> , 2015, 10, e0131668. | 1.1 | 6 |
| 46 | Targeting Cholesterol in a Liquid-Disordered Environment by Theonellamides Modulates Cell Membrane Order and Cell Shape. <i>Chemistry and Biology</i> , 2015, 22, 604-610. | 6.2 | 20 |
| 47 | A weight averaged approach for predicting amide vibrational bands of a sphingomyelin bilayer. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29113-29123. | 1.3 | 13 |
| 48 | Visualization of Lipid Membrane Reorganization Induced by a Pore-Forming Toxin Using High-Speed Atomic Force Microscopy. <i>ACS Nano</i> , 2015, 9, 7960-7967. | 7.3 | 51 |
| 49 | Evaluation of aegerolysins as novel tools to detect and visualize ceramide phosphoethanolamine, a major sphingolipid in invertebrates. <i>FASEB Journal</i> , 2015, 29, 3920-3934. | 0.2 | 46 |
| 50 | Properties and functions of lactosylceramide from mouse neutrophils. <i>Glycobiology</i> , 2015, 25, 655-668. | 1.3 | 32 |
| 51 | Transport through recycling endosomes requires EHD1 recruitment by a phosphatidylserine translocase. <i>EMBO Journal</i> , 2015, 34, 669-688. | 3.5 | 113 |
| 52 | Transbilayer lipid distribution in nano scale. <i>Journal of Cell Science</i> , 2015, 128, 1627-38. | 1.2 | 95 |
| 53 | Scanning Tunneling Microscope Observation of the Phosphatidylserine Domains in the Phosphatidylcholine Monolayer. <i>Langmuir</i> , 2015, 31, 5449-5455. | 1.6 | 10 |
| 54 | CARTS biogenesis requires VAP lipid transfer protein complexes functioning at the endoplasmic reticulum-Golgi interface. <i>Molecular Biology of the Cell</i> , 2015, 26, 4686-4699. | 0.9 | 51 |

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|----|---|------|-----------|
| 55 | Deficiency in the Lipid Exporter ABCA1 Impairs Retrograde Sterol Movement and Disrupts Sterol Sensing at the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2015, 290, 23464-23477. | 1.6 | 56 |
| 56 | Visualization of the heterogeneous membrane distribution of sphingomyelin associated with cytokinesis, cell polarity, and sphingolipidosis. <i>FASEB Journal</i> , 2015, 29, 477-493. | 0.2 | 76 |
| 57 | <i>Clostridium perfringens</i> Alpha-Toxin Induces Gm1a Clustering and Trka Phosphorylation in the Host Cell Membrane. <i>PLoS ONE</i> , 2015, 10, e0120497. | 1.1 | 16 |
| 58 | Transbilayer Lipid Distribution in Nano Scale. <i>FASEB Journal</i> , 2015, 29, 568.15. | 0.2 | 0 |
| 59 | Regulation of the transbilayer movement of diacylglycerol in the plasma membrane. <i>Biochimie</i> , 2014, 107, 43-50. | 1.3 | 15 |
| 60 | Assembling of a Pore-Forming Toxin on a Model Membrane. <i>Biophysical Journal</i> , 2014, 106, 97a. | 0.2 | 0 |
| 61 | Homologous genes, <i>Pe.pleurotolysin A</i> and <i>Pe.ostreolysin</i> , are both specifically and highly expressed in primordia and young fruiting bodies of <i>Pleurotus eryngii</i> . <i>Mycoscience</i> , 2014, 55, 113-117. | 0.3 | 10 |
| 62 | Imaging local sphingomyelin-rich domains in the plasma membrane using specific probes and advanced microscopy. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 720-726. | 1.2 | 29 |
| 63 | Lipid compartmentalization in the endosome system. <i>Seminars in Cell and Developmental Biology</i> , 2014, 31, 48-56. | 2.3 | 72 |
| 64 | Sphingomyelin regulates the transbilayer movement of diacylglycerol in the plasma membrane of <i>Madinâ€šDarby</i> canine kidney cells. <i>FASEB Journal</i> , 2013, 27, 3284-3297. | 0.2 | 24 |
| 65 | Real-Time Visualization of a Pore-Forming Toxin Assembling on a Model Membrane. <i>Biophysical Journal</i> , 2013, 104, 360a. | 0.2 | 0 |
| 66 | Antibody-Induced Acetylcholine Receptor Clusters Inhibit Liquid-Ordered and Liquid-Disordered Domains. <i>Biophysical Journal</i> , 2013, 105, 1601-1611. | 0.2 | 12 |
| 67 | Real-Time Visualization of Assembling of a Sphingomyelin-Specific Toxin on Planar Lipid Membranes. <i>Biophysical Journal</i> , 2013, 105, 1397-1405. | 0.2 | 64 |
| 68 | Clot retraction is mediated by factor XIII-dependent fibrin- α IIb β 3-myosin axis in platelet sphingomyelin-rich membrane rafts. <i>Blood</i> , 2013, 122, 3340-3348. | 0.6 | 73 |
| 69 | A Bilirubin-Inducible Fluorescent Protein from Eel Muscle. <i>Cell</i> , 2013, 153, 1602-1611. | 13.5 | 269 |
| 70 | Binding of a pleurotolysin ortholog from <i>Pleurotus eryngii</i> to sphingomyelin and cholesterol-rich membrane domains. <i>Journal of Lipid Research</i> , 2013, 54, 2933-2943. | 2.0 | 49 |
| 71 | Bis(Monoacylglycero)Phosphate Accumulation in Macrophages Induces Intracellular Cholesterol Redistribution, Attenuates Liver-X Receptor/ATP-Binding Cassette Transporter A1/ATP-Binding Cassette Transporter G1 Pathway, and Impairs Cholesterol Efflux. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1803-1811. | 1.1 | 24 |
| 72 | Role for Phospholipid Flippase Complex of ATP8A1 and CDC50A Proteins in Cell Migration. <i>Journal of Biological Chemistry</i> , 2013, 288, 4922-4934. | 1.6 | 80 |

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|----|---|-----|-----------|
| 73 | 1P191 Actin dynamics in cells cultured on engineered micro-topographical substrate(12.Cell) Tj ETQq1 1 0.784314 rgBT /Overlock 10 S137. | 0.0 | 0 |
| 74 | Visualization of Sterol-Rich Membrane Domains with Fluorescently-Labeled Theonellamides. PLoS ONE, 2013, 8, e83716. | 1.1 | 27 |
| 75 | A Role for Sphingomyelin-Rich Lipid Domains in the Accumulation of Phosphatidylinositol-4,5-Bisphosphate to the Cleavage Furrow during Cytokinesis. Molecular and Cellular Biology, 2012, 32, 1396-1407. | 1.1 | 125 |
| 76 | Lipid Polarity Is Maintained in Absence of Tight Junctions. Journal of Biological Chemistry, 2012, 287, 9525-9533. | 1.6 | 41 |
| 77 | Limonoid Compounds Inhibit Sphingomyelin Biosynthesis by Preventing CERT Protein-dependent Extraction of Ceramides from the Endoplasmic Reticulum. Journal of Biological Chemistry, 2012, 287, 24397-24411. | 1.6 | 29 |
| 78 | The Single-Giant Unilamellar Vesicle Method Reveals Lysenin-Induced Pore Formation in Lipid Membranes Containing Sphingomyelin. Biochemistry, 2012, 51, 5160-5172. | 1.2 | 44 |
| 79 | Nanomechanical Recognition of Sphingomyelin-Rich Membrane Domains by Atomic Force Microscopy. Biochemistry, 2012, 51, 74-82. | 1.2 | 14 |
| 80 | On the origin of the 1602 cm ⁻¹ Raman band of yeasts; contribution of ergosterol. Journal of Biophotonics, 2012, 5, 724-728. | 1.1 | 34 |
| 81 | Phosphatidylglucoside: Its structure, thermal behavior, and domain formation in plasma membranes. Chemistry and Physics of Lipids, 2012, 165, 197-206. | 1.5 | 15 |
| 82 | Rapid flip-flop motions of diacylglycerol and ceramide in phospholipid bilayers. Chemical Physics Letters, 2012, 522, 96-102. | 1.2 | 52 |
| 83 | Evaluation of the influence of ionization states and spacers in the thermotropic phase behaviour of amino acid-based cationic lipids and the transfection efficiency of their assemblies. International Journal of Pharmaceutics, 2012, 422, 364-373. | 2.6 | 27 |
| 84 | Subcellular localization of sphingomyelin revealed by two toxin-based probes in mammalian cells. Genes To Cells, 2012, 17, 720-727. | 0.5 | 40 |
| 85 | Spectroscopic Evidence for the Unusual Stereochemical Configuration of an Endosome-Specific Lipid. Angewandte Chemie - International Edition, 2012, 51, 533-535. | 7.2 | 35 |
| 86 | Fluorescent probes for superresolution imaging of lipid domains on the plasma membrane. Chemical Science, 2011, 2, 1548. | 3.7 | 108 |
| 87 | Imaging lipid dynamics. Neuroscience Research, 2011, 71, e28-e29. | 1.0 | 0 |
| 88 | Î±7-type acetylcholine receptor localization and its modulation by nicotine and cholesterol in vascular endothelial cells. Journal of Cellular Biochemistry, 2011, 112, 3276-3288. | 1.2 | 34 |
| 89 | Fluorescence image screening for chemical compounds modifying cholesterol metabolism and distribution. Journal of Lipid Research, 2011, 52, 2084-2094. | 2.0 | 40 |
| 90 | Sphingomyelin Synthase 1-generated Sphingomyelin Plays an Important Role in Transferrin Trafficking and Cell Proliferation. Journal of Biological Chemistry, 2011, 286, 36053-36062. | 1.6 | 63 |

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|-----|---|-----|-----------|
| 91 | Multiplex analysis of sphingolipids using amine-reactive tags (iTRAQ). <i>Journal of Lipid Research</i> , 2011, 52, 1294-1302. | 2.0 | 12 |
| 92 | Small-angle and wide-angle X-ray scattering study on the bilayer structure of synthetic and bovine heart cardiolipins. <i>Journal of Physics: Conference Series</i> , 2010, 247, 012021. | 0.3 | 0 |
| 93 | Single channel properties of lysenin measured in artificial lipid bilayers and their applications to biomolecule detection. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2010, 86, 920-925. | 1.6 | 12 |
| 94 | Gangliosides and β 1-Integrin Are Required for Caveolae and Membrane Domains. <i>Traffic</i> , 2010, 11, 348-360. | 1.3 | 45 |
| 95 | Marine antifungal theonellamides target 3β -hydroxysterol to activate Rho1 signaling. <i>Nature Chemical Biology</i> , 2010, 6, 519-526. | 3.9 | 111 |
| 96 | 2P237 Effect of the degree of saturation on membrane thickness of cardiolipin bilayers : implications for Barth syndrome(The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010, 50, S124. | 0.0 | 0 |
| 97 | Duramycin-Induced Destabilization of a Phosphatidylethanolamine Monolayer at the Air-Water Interface Observed by Vibrational Sum-Frequency Generation Spectroscopy. <i>Langmuir</i> , 2010, 26, 16055-16062. | 1.6 | 33 |
| 98 | Phosphatidylglucoside Forms Specific Lipid Domains on the Outer Leaflet of the Plasma Membrane. <i>Biochemistry</i> , 2010, 49, 4732-4739. | 1.2 | 37 |
| 99 | Flip-Flop Motions of Lipid Molecules in Mixed Bilayer Systems. <i>Biophysical Journal</i> , 2010, 98, 489a. | 0.2 | 1 |
| 100 | Fyn Tyrosine Kinase Regulates the Surface Expression of Glycosylphosphatidylinositol-linked Ephrin via the Modulation of Sphingomyelin Metabolism. <i>Journal of Biological Chemistry</i> , 2009, 284, 9206-9214. | 1.6 | 11 |
| 101 | Selective decrease of bis(monoacylglycero)phosphate content in macrophages by high supplementation with docosahexaenoic acid. <i>Journal of Lipid Research</i> , 2009, 50, 243-255. | 2.0 | 38 |
| 102 | Binding of laminin-1 to monosialoganglioside GM1 in lipid rafts is crucial for neurite outgrowth. <i>Journal of Cell Science</i> , 2009, 122, 289-299. | 1.2 | 109 |
| 103 | Dynamic clustering and dispersion of lipid rafts contribute to fusion competence of myogenic cells. <i>Experimental Cell Research</i> , 2009, 315, 3052-3063. | 1.2 | 47 |
| 104 | Visualization of lipid domains. <i>Chemistry and Physics of Lipids</i> , 2009, 160, S2. | 1.5 | 0 |
| 105 | Cholesterol regulation of rab-mediated sphingolipid endocytosis. <i>Glycoconjugate Journal</i> , 2009, 26, 705-710. | 1.4 | 5 |
| 106 | Visualization of Phospholipid Particle Fusion Induced by Duramycin. <i>Langmuir</i> , 2009, 25, 8200-8207. | 1.6 | 10 |
| 107 | Glycosphingolipid deficiency increases the sterol regulatory element-mediated gene transcription. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 240-243. | 1.0 | 3 |
| 108 | Molecular interaction of imino sugars with human β -galactosidase: Insight into the mechanism of complex formation and pharmacological chaperone action in Fabry disease. <i>Molecular Genetics and Metabolism</i> , 2009, 96, 233-238. | 0.5 | 32 |

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|-----|---|-----|-----------|
| 109 | Novel Lipogenic Enzyme ELOVL7 Is Involved in Prostate Cancer Growth through Saturated Long-Chain Fatty Acid Metabolism. <i>Cancer Research</i> , 2009, 69, 8133-8140. | 0.4 | 170 |
| 110 | Imaging Lipid Membrane Domains with Lipid-Specific Probes. , 2009, 580, 203-220. | | 6 |
| 111 | Strategy of Cinnamycin and Duramycin, Peptide Toxins that Target Ethanolamine Phospholipids. <i>Seibutsu Butsuri</i> , 2009, 49, 122-125. | 0.0 | 0 |
| 112 | Involvement of very long fatty acid-containing lactosylceramide in lactosylceramide-mediated superoxide generation and migration in neutrophils. <i>Glycoconjugate Journal</i> , 2008, 25, 357-374. | 1.4 | 101 |
| 113 | Lysenin: A sphingomyelin specific pore-forming toxin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 612-618. | 1.1 | 79 |
| 114 | Binding parameters and thermodynamics of the interaction of imino sugars with a recombinant human acid β -glucosidase (α glucosidase alfa): Insight into the complex formation mechanism. <i>Clinica Chimica Acta</i> , 2008, 391, 68-73. | 0.5 | 36 |
| 115 | Lipid Bilayers at the Gel Interface for Single Ion Channel Recordings. <i>Analytical Chemistry</i> , 2008, 80, 7792-7795. | 3.2 | 27 |
| 116 | 3P-222 Lysenin channel as a nanopore for biosensing applications(The 46th Annual Meeting of the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 0.0 | 0 |
| 117 | Lipid Bilayers at Gel/Gel Interface for Ion Channel Recordings. <i>E-Journal of Surface Science and Nanotechnology</i> , 2008, 6, 130-133. | 0.1 | 5 |
| 118 | Cholesterol Controls Lipid Endocytosis through Rab11. <i>Molecular Biology of the Cell</i> , 2007, 18, 2667-2677. | 0.9 | 57 |
| 119 | Anti-bis(monoacylglycero)phosphate antibody accumulates acetylated LDL-derived cholesterol in cultured macrophages. <i>Journal of Lipid Research</i> , 2007, 48, 543-552. | 2.0 | 30 |
| 120 | Stage-Specific Association of Apolipoprotein A-I and E in Developing Mouse Retina. , 2007, 48, 1815. | | 17 |
| 121 | Increased lipid rafts and accelerated lipopolysaccharide-induced tumor necrosis factor- β secretion in Abca1-deficient macrophages. <i>Journal of Lipid Research</i> , 2007, 48, 299-306. | 2.0 | 127 |
| 122 | Membrane Properties of Dipalmitoyl Bis (monoacylglycero) phosphate. <i>Membrane</i> , 2007, 32, 221-228. | 0.0 | 2 |
| 123 | 2P296 Single channel properties of lysenin measured in the artificial lipid bilayer. II : effect of lipid composition and poly-L-lysine(Native and artificial biomembranes-excitation and channels,Poster) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 | 0.0 | 0 |
| 124 | De novo biosynthesis of the late endosome lipid, bis(monoacylglycero)phosphate. <i>Journal of Lipid Research</i> , 2007, 48, 1997-2008. | 2.0 | 71 |
| 125 | Cholesterol and Lipid/Protein Ratio Control the Oligomerization of a Sphingomyelin-Specific Toxin, Lysenin. <i>Biochemistry</i> , 2007, 46, 1495-1502. | 1.2 | 48 |
| 126 | pH-dependent Formation of Membranous Cytoplasmic Body-Like Structure of Ganglioside GM1/Bis(Monoacylglycero)Phosphate Mixed Membranes. <i>Biophysical Journal</i> , 2007, 92, L13-L15. | 0.2 | 23 |

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|-----|---|------------------|---------------|
| 127 | Curvature-Dependent Recognition of Ethanolamine Phospholipids by Duramycin and Cinnamycin. <i>Biophysical Journal</i> , 2007, 93, 1608-1619. | 0.2 | 121 |
| 128 | Structural characterization of N-lignoceroyl (C24:0) sphingomyelin bilayer membranes: a re-evaluation. <i>Journal of Applied Crystallography</i> , 2007, 40, s312-s317. | 1.9 | 12 |
| 129 | Lipid sensing and lipid sensors. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 2492-2504. | 2.4 | 38 |
| 130 | Curvature-dependent recognition of ethanolamine phospholipids by duramycin and cinnamycin. <i>Chemistry and Physics of Lipids</i> , 2007, 149, S31. | 1.5 | 1 |
| 131 | Differential Membrane Packing of Stereoisomers of Bis(monoacylglycero)phosphate. <i>Biochemistry</i> , 2006, 45, 9198-9209. | 1.2 | 21 |
| 132 | d-threo-1-Phenyl-2-decanoylamino-3-morpholino-1-propanol Alters Cellular Cholesterol Homeostasis by Modulating the Endosome Lipid Domains. <i>Biochemistry</i> , 2006, 45, 4530-4541. | 1.2 | 41 |
| 133 | 2P271 Structural investigation on highly asymmetric sphingomyelin (C24:0 SM) bilayers(40. Membrane) Tj ETQq1 S363. | 1.0784314 0.0 | rgBT /Cv 0 |
| 134 | Lipid Rafts: New Tools and a New Component. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 1526-1531. | 0.6 | 33 |
| 135 | Corrective effect on Fabry mice of yeast recombinant human β -galactosidase with N-linked sugar chains suitable for lysosomal delivery. <i>Journal of Human Genetics</i> , 2006, 51, 341-352. | 1.1 | 26 |
| 136 | Selective incorporation of docosahexaenoic acid into lysobisphosphatidic acid in cultured THP-1 macrophages. <i>Lipids</i> , 2006, 41, 189-196. | 0.7 | 19 |
| 137 | Caveolar Endocytosis and Microdomain Association of a Glycosphingolipid Analog Is Dependent on Its Sphingosine Stereochemistry*. <i>Journal of Biological Chemistry</i> , 2006, 281, 30660-30668. | 1.6 | 53 |
| 138 | Lysenin: A New Probe for Sphingomyelin. , 2006, , 475-482. | | 0 |
| 139 | Human CHMP6, a myristoylated ESCRT-III protein, interacts directly with an ESCRT-II component EAP20 and regulates endosomal cargo sorting. <i>Biochemical Journal</i> , 2005, 387, 17-26. | 1.7 | 102 |
| 140 | Total Synthesis and Biological Activities of (+)-Sulfamisterin (AB5366) and its Analogues. <i>Journal of Antibiotics</i> , 2005, 58, 37-49. | 1.0 | 17 |
| 141 | Spatial and Functional Heterogeneity of Sphingolipid-rich Membrane Domains. <i>Journal of Biological Chemistry</i> , 2005, 280, 24072-24084. | 1.6 | 157 |
| 142 | Imaging Lipid Rafts. <i>Journal of Biochemistry</i> , 2005, 137, 249-254. | 0.9 | 66 |
| 143 | Role of membrane sphingomyelin and ceramide in platform formation for Fas-mediated apoptosis. <i>Journal of Experimental Medicine</i> , 2005, 202, 249-259. | 4.2 | 142 |
| 144 | Synthesis and Inhibition Mechanism of $l^{14}C$ -Acetogenins, a Novel Type of Inhibitor of Bovine Heart Mitochondrial Complex I. <i>Biochemistry</i> , 2005, 44, 816-825. | 1.2 | 39 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Fungal Metabolite Sulfamisterin Suppresses Sphingolipid Synthesis through Inhibition of Serine Palmitoyltransferase. <i>Biochemistry</i> , 2005, 44, 268-277. | 1.2 | 28 |
| 146 | Distribution and Transport of Cholesterol-rich Membrane Domains Monitored by a Membrane-impermeant Fluorescent Polyethylene Glycol-derivatized Cholesterol. <i>Journal of Biological Chemistry</i> , 2004, 279, 23790-23796. | 1.6 | 85 |
| 147 | Mast cell- and dendritic cell-derived exosomes display a specific lipid composition and an unusual membrane organization. <i>Biochemical Journal</i> , 2004, 380, 161-171. | 1.7 | 536 |
| 148 | Lysenin: A new tool for investigating membrane lipid organization. <i>Kaibogaku Zasshi Journal of Anatomy</i> , 2004, 79, 184-190. | 1.2 | 32 |
| 149 | Local exposure of phosphatidylethanolamine on the yeast plasma membrane is implicated in cell polarity. <i>Genes To Cells</i> , 2004, 9, 891-903. | 0.5 | 65 |
| 150 | Clinical, biochemical, and cytochemical studies on a Japanese Salla disease case associated with a renal disorder. <i>Journal of Human Genetics</i> , 2004, 49, 656-663. | 1.1 | 4 |
| 151 | Recognition of Sphingomyelin by Lysenin and Lysenin-Related Proteins. <i>Biochemistry</i> , 2004, 43, 9766-9773. | 1.2 | 69 |
| 152 | A Lipid-Specific Toxin Reveals Heterogeneity of Sphingomyelin-Containing Membranes. <i>Biophysical Journal</i> , 2004, 86, 296-307. | 0.2 | 135 |
| 153 | Cinnamycin (Ro 09-0198) Promotes Cell Binding and Toxicity by Inducing Transbilayer Lipid Movement. <i>Journal of Biological Chemistry</i> , 2003, 278, 3204-3209. | 1.6 | 72 |
| 154 | Carbohydrate-dependent signaling from the phosphatidylglucoside-based microdomain induces granulocytic differentiation of HL60 cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7454-7459. | 3.3 | 66 |
| 155 | Oligomerization and Pore Formation of a Sphingomyelin-specific Toxin, Lysenin. <i>Journal of Biological Chemistry</i> , 2003, 278, 22762-22770. | 1.6 | 118 |
| 156 | Long-term systemic therapy of Fabry disease in a knockout mouse by adeno-associated virus-mediated muscle-directed gene transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13777-13782. | 3.3 | 93 |
| 157 | Separation and Characterization of Late Endosomal Membrane Domains. <i>Journal of Biological Chemistry</i> , 2002, 277, 32157-32164. | 1.6 | 333 |
| 158 | A Novel Membrane Protein, Ros3p, Is Required for Phospholipid Translocation across the Plasma Membrane in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 37855-37862. | 1.6 | 117 |
| 159 | Lipid domains in the endocytic pathway. <i>Seminars in Cell and Developmental Biology</i> , 2001, 12, 173-182. | 2.3 | 30 |
| 160 | Cross-talk between Caveolae and Glycosylphosphatidylinositol-rich Domains. <i>Journal of Biological Chemistry</i> , 2001, 276, 30729-30736. | 1.6 | 81 |
| 161 | Localization of Lysobisphosphatidic Acid-Rich Membrane Domains in Late Endosomes. <i>Biological Chemistry</i> , 2001, 382, 483-5. | 1.2 | 66 |
| 162 | Mitochondrial phospholipid hydroperoxide glutathione peroxidase inhibits the release of cytochrome c from mitochondria by suppressing the peroxidation of cardiolipin in hypoglycaemia-induced apoptosis. <i>Biochemical Journal</i> , 2000, 351, 183. | 1.7 | 205 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 163 | Lipid membrane domains in cell surface and vacuolar systems. <i>Glycoconjugate Journal</i> , 2000, 17, 163-171. | 1.4 | 23 |
| 164 | The Tetraspanin CD63/lamp3 Cycles between Endocytic and Secretory Compartments in Human Endothelial Cells. <i>Molecular Biology of the Cell</i> , 2000, 11, 1829-1843. | 0.9 | 266 |
| 165 | Interaction of Anti-Phospholipid Antibodies With Late Endosomes of Human Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, 563-574. | 1.1 | 63 |
| 166 | Rapid Access to Synthetic Lysobisphosphatidic Acids Using PIII Chemistry. <i>Organic Letters</i> , 2000, 2, 1859-1861. | 2.4 | 54 |
| 167 | Late endosomal membranes rich in lysobisphosphatidic acid regulate cholesterol transport. <i>Nature Cell Biology</i> , 1999, 1, 113-118. | 4.6 | 575 |
| 168 | A lipid associated with the antiphospholipid syndrome regulates endosome structure and function. <i>Nature</i> , 1998, 392, 193-197. | 13.7 | 727 |
| 169 | Mechanisms regulating membrane traffic in the endocytic pathway. <i>Biology of the Cell</i> , 1998, 90, 105-105. | 0.7 | 0 |
| 170 | Lipids, lipid domains and lipid-protein interactions in endocytic membrane traffic. <i>Seminars in Cell and Developmental Biology</i> , 1998, 9, 517-526. | 2.3 | 109 |
| 171 | A Chinese Hamster Ovary Cell Mutant Resistant to Phosphatidylserine Is Defective in Transbilayer Movement of Cell Surface Phosphatidylserine. <i>Experimental Cell Research</i> , 1996, 228, 341-346. | 1.2 | 12 |
| 172 | Redistribution of phosphatidylethanolamine at the cleavage furrow of dividing cells during cytokinesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 12867-12872. | 3.3 | 253 |
| 173 | Glycosphingolipid-enriched, detergent-insoluble complexes in protein sorting in epithelial cells. <i>Biochemistry</i> , 1993, 32, 6365-6373. | 1.2 | 251 |
| 174 | Sphingolipid transport from the trans-Golgi network to the apical surface in permeabilized MDCK cells. <i>FEBS Letters</i> , 1992, 300, 227-231. | 1.3 | 46 |
| 175 | A functional barrier to movement of lipids in polarized neurons. <i>Nature</i> , 1992, 359, 647-650. | 13.7 | 145 |
| 176 | Transport of exogenous fluorescent phosphatidylserine analogue to the Golgi apparatus in cultured fibroblasts. <i>Journal of Cell Biology</i> , 1991, 113, 235-244. | 2.3 | 58 |
| 177 | ATP-dependent fusion of liposomes with the Golgi apparatus of perforated cells. <i>Cell</i> , 1988, 55, 797-805. | 13.5 | 54 |
| 178 | Altered interaction between Sendai virus and a Chinese hamster cell mutant with defective cholesterol synthesis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987, 904, 159-164. | 1.4 | 7 |
| 179 | Effects of chlorpromazine and other calmodulin antagonists on phosphatidylcholine-induced vesiculation of platelet plasma membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986, 855, 58-62. | 1.4 | 9 |
| 180 | Membrane Phospholipid Synthesis in <i>Escherichia coli</i> : Alteration by Glycerol and Physiological Consequences in a pss Mutant1. <i>Journal of Biochemistry</i> , 1986, 99, 1393-1400. | 0.9 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Light-Induced Potential and Current across a Large Bacteriorhodopsin-Asolectin Planar Membrane Stabilized on a Polyacrylamide Gel Surface. <i>Journal of Biochemistry</i> , 1986, 99, 777-783. | 0.9 | 2 |
| 182 | Inhibition of platelet aggregation by synthetic phosphatidylcholines: possible involvement of vesiculation of platelet plasma membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1985, 817, 307-312. | 1.4 | 4 |
| 183 | Peroxidation of liposomes in the presence of human erythrocytes and induction of membrane damage of erythrocytes by peroxidized liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1985, 814, 170-178. | 1.4 | 38 |
| 184 | Vesiculation of platelet plasma membranes. Dilauroylglycerophosphocholine-induced shedding of a platelet plasma membrane fraction enriched in acetylcholinesterase activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1984, 778, 210-218. | 1.4 | 30 |
| 185 | Lysis of Erythrocytes by Phosphatidylcholine Containing Polyunsaturated Fatty Acid. <i>Journal of Biochemistry</i> , 1983, 93, 675-680. | 0.9 | 9 |
| 186 | Release of Vesicles Containing Acetylcholinesterase from Erythrocyte Membranes by Treatment with Dilauroylglycerophosphocholine. <i>Journal of Biochemistry</i> , 1983, 93, 1691-1699. | 0.9 | 21 |