

# Masaki Goto

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Thermotropic and Barotropic Phase Behavior of Phosphatidylcholine Bilayers. <i>International Journal of Molecular Sciences</i> , 2013, 14, 2282-2302.	4.1	54
2	Effect of hydrostatic pressure on the bilayer phase behavior of symmetric and asymmetric phospholipids with the same total chain length. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1067-1078.	2.6	45
3	Bilayer phase transitions of N-methylated dioleoylphosphatidylethanolamines under high pressure. <i>Chemistry and Physics of Lipids</i> , 2006, 142, 94-102.	3.2	37
4	Chain asymmetry alters thermotropic and barotropic properties of phospholipid bilayer membranes. <i>Chemistry and Physics of Lipids</i> , 2009, 161, 65-76.	3.2	32
5	Barotropic and thermotropic bilayer phase behavior of positional isomers of unsaturated mixed-chain phosphatidylcholines. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1056-1063.	2.6	23
6	A new interpretation of eutectic behavior for distearoylphosphatidylcholine-cholesterol binary bilayer membrane. <i>Biophysical Chemistry</i> , 2008, 135, 95-101.	2.8	20
7	Prodan fluorescence detects the bilayer packing of asymmetric phospholipids. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 55-62.	5.0	20
8	Comprehensive characterization of temperature- and pressure-induced bilayer phase transitions for saturated phosphatidylcholines containing longer chain homologs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 389-397.	5.0	19
9	Effect of Vesicle Size on the Prodan Fluorescence in Diheptadecanoylphosphatidylcholine Bilayer Membrane under Atmospheric and High Pressures. <i>Langmuir</i> , 2010, 26, 13377-13384.	3.5	18
10	Pressure effect on the bilayer phase transition of asymmetric lipids with an unsaturated acyl chain. <i>Annals of the New York Academy of Sciences</i> , 2010, 1189, 77-85.	3.8	17
11	How does acyl chain length affect thermotropic phase behavior of saturated diacylphosphatidylcholine-cholesterol binary bilayers?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2513-2523.	2.6	17
12	Chain elongation of diacylphosphatidylcholine induces fully bilayer interdigitation under atmospheric pressure. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 44-48.	5.0	16
13	Interaction modes of long-chain fatty acids in dipalmitoylphosphatidylcholine bilayer membrane: contrast to mode of inhalation anesthetics. <i>Chemistry and Physics of Lipids</i> , 2009, 158, 71-80.	3.2	15
14	A critical role for highly conserved Glu610 residue of oligopeptidase B from <i>Trypanosoma brucei</i> in thermal stability. <i>Journal of Biochemistry</i> , 2010, 147, 201-211.	1.7	14
15	Lateral phase separation in cholesterol/diheptadecanoylphosphatidylcholine binary bilayer membrane. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 65, 213-219.	5.0	13
16	Thermotropic and barotropic phase transitions of dilauroylphosphatidylcholine bilayer. <i>Chemistry and Physics of Lipids</i> , 2008, 153, 138-143.	3.2	13
17	Study on the Subgel-Phase Formation Using an Asymmetric Phospholipid Bilayer Membrane by High-Pressure Fluorometry. <i>Langmuir</i> , 2012, 28, 12191-12198.	3.5	12
18	Hydrostatic Pressure Reveals Bilayer Phase Behavior of Dioctadecyldimethylammonium Bromide and Chloride. <i>Langmuir</i> , 2011, 27, 1592-1598.	3.5	11

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19	Thermotropic and Barotropic Phase Transitions of Dialkyldimethylammonium Bromide Bilayer Membranes: Effect of Chain Length. <i>Langmuir</i> , 2011, 27, 5824-5831.	3.5	11
20	Thermotropic and barotropic phase transitions on diacylphosphatidylethanolamine bilayer membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1222-1232.	2.6	11
21	Mucosal immune features to phosphorylcholine by nasal Flt3 ligand cDNA-based vaccination. <i>Vaccine</i> , 2011, 29, 5747-5757.	3.8	10
22	Imaging of Phosphatidylcholine Bilayers by a High-Pressure Fluorescence Technique: Detection of the Packing Difference. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 1329-1335.	3.2	10
23	Barotropic Phase Transitions of 1-Palmitoyl-2-stearoylphosphatidylcholine Bilayer Membrane. <i>Chemistry Letters</i> , 2005, 34, 270-271.	1.3	9
24	Barotropic phase transition between the lamellar liquid crystal phase and the inverted hexagonal phase of dioleoylphosphatidylethanolamine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 50, 85-88.	5.0	8
25	A Peculiar Phase Transition of Plasmalogen Bilayer Membrane under High Pressure. <i>Langmuir</i> , 2009, 25, 11265-11268.	3.5	8
26	Morphological Change of Vesicle Particles Can Produce a Peculiar Stepwise Transition in Dipalmitoylphosphatidylglycerol Bilayer at High NaCl Concentration. <i>Chemistry Letters</i> , 2012, 41, 304-306.	1.3	8
27	High-pressure study on bilayer phase behavior of oleoylmyristoyl- and myristoyloleoyl-phosphatidylcholines. <i>Biophysical Chemistry</i> , 2008, 138, 36-41.	2.8	7
28	Volumetric characterization of ester- and ether-linked lipid bilayers by pressure perturbation calorimetry and densitometry. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 232-239.	5.0	7
29	Membrane fusion of phospholipid bilayers under high pressure: Spherical and irreversible growth of giant vesicles. <i>Biophysical Chemistry</i> , 2021, 277, 106639.	2.8	7
30	Ligand partitioning into lipid bilayer membranes under high pressure: Implication of variation in phase-transition temperatures. <i>Chemistry and Physics of Lipids</i> , 2017, 209, 9-18.	3.2	6
31	Membrane States of Saturated Glycerophospholipids: A Thermodynamic Study of Bilayer Phase Transitions. <i>Chemical and Pharmaceutical Bulletin</i> , 2019, 67, 300-307.	1.3	6
32	Cholesterol Suppresses Pressure-induced Interdigitation of Dipalmitoylphosphatidylcholine Bilayer Membrane. <i>Chemistry Letters</i> , 2008, 37, 604-605.	1.3	4
33	Pressure study on symmetric and asymmetric phospholipid bilayers: effect of vesicle size on Prodan fluorescence. <i>Annals of the New York Academy of Sciences</i> , 2010, 1189, 68-76.	3.8	4
34	Salt effect on bilayer phase transitions of dipalmitoylphosphatidylglycerol in saline water under high pressure. <i>High Pressure Research</i> , 2019, 39, 238-247.	1.2	4
35	Phase behavior of binary bilayer membrane of dipalmitoylphosphatidylcholine and stigmaterol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2635-2645.	3.6	4
36	Phase behavior of cholesterol-containing binary membrane of an ether-linked phospholipid, dihexadecylphosphatidylcholine. <i>Colloid and Polymer Science</i> , 2018, 296, 697-711.	2.1	3

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37	PHASE BEHAVIOR OF DIPALMITOYLPHOSPHATIDYLGLYCEROL BILAYER MEMBRANE IN SALINE WATER UNDER HIGH PRESSURE. International Journal of Modern Physics Conference Series, 2012, 06, 727-732.	0.7	2
38	Effect of pressure on bilayer phase behavior of N -methylated di-O -hexadecylphosphatidylethanolamines: relevance of head-group modification on the bilayer interdigitation. Biophysical Chemistry, 2017, 231, 64-70.	2.8	2
39	Formation of intermediate gel-liquid crystalline phase on medium-chain phosphatidylcholine bilayers: Phase transitions depending on the bilayer packing. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183197.	2.6	2
40	Subgel-phase formation of membranes of ether-linked phosphatidylcholines. Chemistry and Physics of Lipids, 2021, 239, 105119.	3.2	2
41	Membrane States of Lipids in Biological Membranes&lt;br/&gt;^   ^mdash;Structure-Function Relationship Revealed from Pressure Study^   ^mdash;. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2013, 23, 30-38.	0.0	2
42	Thermotropic Phase Behavior of Binary Bilayer Membrane of Dipalmitoylphosphatidylcholine and Ergosterol. Chemistry Letters, 2012, 41, 1087-1089.	1.3	1
43	Recovery of tobacco BYâ€2 cells after high hydrostatic pressure treatment. Annals of the New York Academy of Sciences, 2010, 1189, 139-142.	3.8	0
44	Application of pressure perturbation calorimetry to the aqueous system of phospholipid vesicle dispersion. High Pressure Research, 2010, 30, 490-498.	1.2	0
45	Packing state in bilayer membranes of diacylphosphatidylcholines with varying acyl chain lengths under high pressures. High Pressure Research, 2010, 30, 475-482.	1.2	0
46	VOLUMETRIC STUDY ON DIOLEOYLPHOSPHATIDYLCHOLINE BILAYER BY PRESSURE PERTURBATION CALORIMETRY. International Journal of Modern Physics Conference Series, 2012, 06, 762-767.	0.7	0
47	Can Lipid Rafts be Explained Thermodynamically?â€”Solid/Liquid Phase Diagram for Incongruent Melting and Cluster Formationâ€”. Seibutsu Butsuri, 2014, 54, 154-157.	0.1	0
48	High-Pressure Fluorescence Study on Bilayer Phase Behavior of Symmetric and Asymmetric Phospholipids. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2008, 18, 267-272.	0.0	0
49	Barotropic Phase Transitions of Asymmetric Phospholipid Bilayer Membranes: Molecular Asymmetry and Phase Stability. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2010, 20, 306-314.	0.0	0
50	Imaging of Phosphatidylcholine Bilayers by a High-Pressure Fluorometry. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2013, 23, 157-166.	0.0	0
51	Pressure-Induced Interdigitation of Lipid Bilayer Membranes: Dependence on Acyl-Chain Length and Limitation of the Formation. Zairyo/Journal of the Society of Materials Science, Japan, 2014, 63, 620-623.	0.2	0
52	Association Behavior of Double-Chain Ionic Surfactants: Elucidation of the Membrane States by High-Pressure Study. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2018, 28, 81-87.	0.0	0
53	Temperatureâ€” and Pressureâ€”Induced Phase Transitions of Phosphatidylethanolamine Bilayer Membranes. Membrane, 2019, 44, 40-49.	0.0	0
54	Temperature- and Pressure-Induced Bilayer Phase Transitions of an Amide-Linked Phosphatidylcholine: A Contrasting Effect of Chain-Linkage Type. Bulletin of the Chemical Society of Japan, 2022, 95, 261-270.	3.2	0