Masaki Goto

List of Publications by Year
in descending order

54 papers	534 citations	623734 14 h-index	713466 21 g-index
55 all docs	55 docs citations	55 times ranked	355 citing authors

#	Article	IF	Citations
1	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
2	Subgel-phase formation of membranes of ether-linked phosphatidylcholines. Chemistry and Physics of Lipids, 2021, 239, 105119.	3.2	2
3	Membrane fusion of phospholipid bilayers under high pressure: Spherical and irreversible growth of giant vesicles. Biophysical Chemistry, 2021, 277, 106639.	2.8	7
4	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
5	Salt effect on bilayer phase transitions of dipalmitoylphosphatidylglycerol in saline water under high pressure. High Pressure Research, 2019, 39, 238-247.	1.2	4
6	Membrane States of Saturated Glycerophospholipids: A Thermodynamic Study of Bilayer Phase Transitions. Chemical and Pharmaceutical Bulletin, 2019, 67, 300-307.	1.3	6
7	Phase behavior of binary bilayer membrane of dipalmitoylphosphatidylcholine and stigmasterol. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2635-2645.	3.6	4
8	Temperatureâ€“ and Pressureâ€“Induced Phase Transitions of Phosphatidylethanolamine Bilayer Membranes. Membrane, 2019, 44, 40-49.	0.0	0
9	Phase behavior of cholesterol-containing binary membrane of an ether-linked phospholipid, dihexadecylphosphatidylcholine. Colloid and Polymer Science, 2018, 296, 697-711.	2.1	3
10	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
11	Thermotropic and barotropic phase transitions on diacylphosphatidylethanolamine bilayer membranes. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1222-1232.	2.6	11
12	Ligand partitioning into lipid bilayer membranes under high pressure: Implication of variation in phase-transition temperatures. Chemistry and Physics of Lipids, 2017, 209, 9-18.	3.2	6
13	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
14	Comprehensive characterization of temperature- and pressure-induced bilayer phase transitions for saturated phosphatidylcholines containing longer chain homologs. Colloids and Surfaces B: Biointerfaces, 2015, 128, 389-397.	5.0	19
15	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
16	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
17	How does acyl chain length affect thermotropic phase behavior of saturated diacylphosphatidylcholineâ€“cholesterol binary bilayers?. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2513-2523.	2.6	17
18	Thermotropic and Barotropic Phase Behavior of Phosphatidylcholine Bilayers. International Journal of Molecular Sciences, 2013, 14, 2282-2302.	4.1	54

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19	Membrane States of Lipids in Biological Membranes ^|^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
20	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
21	VOLUMETRIC STUDY ON DIOLEOYLPHOSPHATIDYLCHOLINE BILAYER BY PRESSURE PERTURBATION CALORIMETRY. International Journal of Modern Physics Conference Series, 2012, 06, 762-767.	0.7	0
22	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
23	Thermotropic Phase Behavior of Binary Bilayer Membrane of Dipalmitoylphosphatidylcholine and Ergosterol. Chemistry Letters, 2012, 41, 1087-1089.	1.3	1
24	Morphological Change of Vesicle Particles Can Produce a Peculiar Stepwise Transition in Dipalmitoylphosphatidylglycerol Bilayer at High NaCl Concentration. Chemistry Letters, 2012, 41, 304-306.	1.3	8
25	Study on the Subgel-Phase Formation Using an Asymmetric Phospholipid Bilayer Membrane by High-Pressure Fluorometry. Langmuir, 2012, 28, 12191-12198.	3.5	12
26	Volumetric characterization of ester- and ether-linked lipid bilayers by pressure perturbation calorimetry and densitometry. Colloids and Surfaces B: Biointerfaces, 2012, 92, 232-239.	5.0	7
27	Hydrostatic Pressure Reveals Bilayer Phase Behavior of Dioctadecyldimethylammonium Bromide and Chloride. Langmuir, 2011, 27, 1592-1598.	3.5	11
28	Thermotropic and Barotropic Phase Transitions of Dialkyldimethylammonium Bromide Bilayer Membranes: Effect of Chain Length. Langmuir, 2011, 27, 5824-5831.	3.5	11
29	Mucosal immune features to phosphorylcholine by nasal Flt3 ligand cDNA-based vaccination. Vaccine, 2011, 29, 5747-5757.	3.8	10
30	Imaging of Phosphatidylcholine Bilayers by a High-Pressure Fluorescence Technique: Detection of the Packing Difference. Bulletin of the Chemical Society of Japan, 2011, 84, 1329-1335.	3.2	10
31	Chain elongation of diacylphosphatidylcholine induces fully bilayer interdigitation under atmospheric pressure. Colloids and Surfaces B: Biointerfaces, 2011, 84, 44-48.	5.0	16
32	Prodan fluorescence detects the bilayer packing of asymmetric phospholipids. Colloids and Surfaces B: Biointerfaces, 2011, 84, 55-62.	5.0	20
33	Pressure study on symmetric and asymmetric phospholipid bilayers: effect of vesicle size on Prodan fluorescence. Annals of the New York Academy of Sciences, 2010, 1189, 68-76.	3.8	4
34	Pressure effect on the bilayer phase transition of asymmetric lipids with an unsaturated acyl chain. Annals of the New York Academy of Sciences, 2010, 1189, 77-85.	3.8	17
35	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
36	A critical role for highly conserved Glu610 residue of oligopeptidase B from Trypanosoma brucei in thermal stability. Journal of Biochemistry, 2010, 147, 201-211.	1.7	14

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37	Effect of Vesicle Size on the Prodan Fluorescence in Diheptadecanoylphosphatidylcholine Bilayer Membrane under Atmospheric and High Pressures. Langmuir, 2010, 26, 13377-13384.	3.5	18
38	Application of pressure perturbation calorimetry to the aqueous system of phospholipid vesicle dispersion. High Pressure Research, 2010, 30, 490-498.	1.2	0
39	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
40	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
41	Chain asymmetry alters thermotropic and barotropic properties of phospholipid bilayer membranes. Chemistry and Physics of Lipids, 2009, 161, 65-76.	3.2	32
42	Interaction modes of long-chain fatty acids in dipalmitoylphosphatidylcholine bilayer membrane: contrast to mode of inhalation anesthetics. Chemistry and Physics of Lipids, 2009, 158, 71-80.	3.2	15
43	A Peculiar Phase Transition of Plasmalogen Bilayer Membrane under High Pressure. Langmuir, 2009, 25, 11265-11268.	3.5	8
44	Barotropic and thermotropic bilayer phase behavior of positional isomers of unsaturated mixed-chain phosphatidylcholines. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1056-1063.	2.6	23
45	Lateral phase separation in cholesterol/diheptadecanoylphosphatidylcholine binary bilayer membrane. Colloids and Surfaces B: Biointerfaces, 2008, 65, 213-219.	5.0	13
46	A new interpretation of eutectic behavior for distearoylphosphatidylcholineâ€“cholesterol binary bilayer membrane. Biophysical Chemistry, 2008, 135, 95-101.	2.8	20
47	High-pressure study on bilayer phase behavior of oleoylmyristoyl- and myristoyloleoyl-phosphatidylcholines. Biophysical Chemistry, 2008, 138, 36-41.	2.8	7
48	Thermotropic and barotropic phase transitions of dilauroylphosphatidylcholine bilayer. Chemistry and Physics of Lipids, 2008, 153, 138-143.	3.2	13
49	Effect of hydrostatic pressure on the bilayer phase behavior of symmetric and asymmetric phospholipids with the same total chain length. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1067-1078.	2.6	45
50	Cholesterol Suppresses Pressure-induced Interdigitation of Dipalmitoylphosphatidylcholine Bilayer Membrane. Chemistry Letters, 2008, 37, 604-605.	1.3	4
51	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
52	Barotropic phase transition between the lamellar liquid crystal phase and the inverted hexagonal phase of dioleoylphosphatidylethanolamine. Colloids and Surfaces B: Biointerfaces, 2006, 50, 85-88.	5.0	8
53	Bilayer phase transitions of N-methylated dioleoylphosphatidylethanolamines under high pressure. Chemistry and Physics of Lipids, 2006, 142, 94-102.	3.2	37
54	Barotropic Phase Transitions of 1-Palmitoyl-2-stearoylphosphatidylcholine Bilayer Membrane. Chemistry Letters, 2005, 34, 270-271.	1.3	9