

Hitoshi Matsuki

List of Publications by Year in descending order

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68
papers

1,316
citations

361413

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377865

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docs citations

69
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Barotropic phase transitions and pressure-induced interdigitation on bilayer membranes of phospholipids with varying acyl chain lengths. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1414, 165-174.	2.6	121
2	Effect of local anesthetics on the bilayer membrane of dipalmitoylphosphatidylcholine: interdigitation of lipid bilayer and vesicleâ€“micelle transition. <i>Biophysical Chemistry</i> , 2000, 87, 25-36.	2.8	75
3	Thermotropic and barotropic phase transitions of N-methylated dipalmitoylphosphatidylethanolamine bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1668, 25-32.	2.6	64
4	Barotropic phase transitions of dioleoylphosphatidylcholine and stearyl-oleoylphosphatidylcholine bilayer membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1374, 1-8.	2.6	63
5	Thermotropic and barotropic phase behavior of dihexadecylphosphatidylcholine bilayer membrane. <i>Chemistry and Physics of Lipids</i> , 1996, 82, 125-132.	3.2	61
6	Thermotropic and Barotropic Phase Behavior of Phosphatidylcholine Bilayers. <i>International Journal of Molecular Sciences</i> , 2013, 14, 2282-2302.	4.1	54
7	Thermotropic and barotropic phase transition on bilayer membranes of phospholipids with varying acyl chain-lengths. <i>Chemistry and Physics of Lipids</i> , 1997, 89, 97-105.	3.2	50
8	Effect of unsaturated acyl chains on the thermotropic and barotropic phase transitions of phospholipid bilayer membranes. <i>Chemistry and Physics of Lipids</i> , 1999, 100, 151-164.	3.2	47
9	Thermotropic and barotropic phase transitions in bilayer membranes of ether-linked phospholipids with varying alkyl chain lengths. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 479-489.	2.6	45
10	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
11	Effect of pressure on the Prodan fluorescence in bilayer membranes of phospholipids with varying acyl chain lengths. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 42, 79-88.	5.0	38
12	Effect of deuterium oxide on the thermodynamic quantities associated with phase transitions of phosphatidylcholine bilayer membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1712, 92-100.	2.6	38
13	Bilayer phase transitions of N-methylated dioleoylphosphatidylethanolamines under high pressure. <i>Chemistry and Physics of Lipids</i> , 2006, 142, 94-102.	3.2	37
14	Effect of local anesthetics on the phase transition temperatures of ether- and ester-linked phospholipid bilayer membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000, 18, 41-50.	5.0	34
15	Pressure-induced phase transitions of lipid bilayers observed by fluorescent probes Prodan and Laurdan. <i>Biophysical Chemistry</i> , 2005, 117, 199-206.	2.8	34
16	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
17	Effects of Pressure and Ethanol on the Phase Behavior of Dipalmitoylphosphatidylcholine Multilamellar Vesicles. <i>Chemistry Letters</i> , 1992, 21, 1963-1966.	1.3	27
18	Effects of pressure and local anesthetic tetracaine on dipalmitoylphosphatidylcholine bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1997, 1325, 272-280.	2.6	23

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19	Partitioning of local anesthetic dibucaine into bilayer membranes of dimyristoylphosphatidylcholine. <i>Colloids and Surfaces B: Biointerfaces</i> , 1997, 10, 51-57.	5.0	23
20	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
21	Partition coefficients of charged and uncharged local anesthetics into dipalmitoylphosphatidylcholine bilayer membrane: estimation from pH dependence on the depression of phase transition temperatures. <i>Colloids and Surfaces B: Biointerfaces</i> , 2001, 22, 77-84.	5.0	20
22	A new interpretation of eutectic behavior for distearoylphosphatidylcholine-cholesterol binary bilayer membrane. <i>Biophysical Chemistry</i> , 2008, 135, 95-101.	2.8	20
23	Prodan fluorescence detects the bilayer packing of asymmetric phospholipids. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 55-62.	5.0	20
24	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
25	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
26	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
27	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
28	Incorporation of Micelle-Forming Local Anesthetics into Surface-Adsorbed Films and Micelles of Decylammonium Chloride. <i>Langmuir</i> , 1997, 13, 2687-2693.	3.5	16
29	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
30	Membrane-buffer partition coefficients of a local anesthetic tetracaine monitored by an anesthetic sensor; effects of temperature and pH. <i>Toxicology Letters</i> , 1998, 100-101, 441-445.	0.8	15
31	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
32	Lateral phase separation in cholesterol/diheptadecanoylphosphatidylcholine binary bilayer membrane. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 65, 213-219.	5.0	13
33	Thermotropic and barotropic phase transitions of dilauroylphosphatidylcholine bilayer. <i>Chemistry and Physics of Lipids</i> , 2008, 153, 138-143.	3.2	13
34	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
35	Thermotropic and barotropic phase transitions on diacylphosphatidylethanolamine bilayer membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1222-1232.	2.6	11
36	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

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37	Barotropic Phase Transitions of 1-Palmitoyl-2-stearoylphosphatidylcholine Bilayer Membrane. <i>Chemistry Letters</i> , 2005, 34, 270-271.	1.3	9
38	Dissociation equilibrium between uncharged and charged local anesthetic lidocaine in a surface-adsorbed film. <i>Colloid and Polymer Science</i> , 2005, 283, 512-520.	2.1	9
39	Effects of pressure and the local anesthetic tetracaine on dihexadecylphosphatidylcholine bilayer membrane. <i>Colloids and Surfaces B: Biointerfaces</i> , 1997, 8, 261-266.	5.0	8
40	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
41	A Peculiar Phase Transition of Plasmalogen Bilayer Membrane under High Pressure. <i>Langmuir</i> , 2009, 25, 11265-11268.	3.5	8
42	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
43	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
44	How Do Membranes Respond to Pressure?. <i>Sub-Cellular Biochemistry</i> , 2015, 72, 321-343.	2.4	7
45	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
46	Effect of Pressure on the Phase Behavior of Diheptadecanoyl-phosphatidylcholine Bilayer Membrane.. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 1998, 7, 1277-1279.	0.0	7
47	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
48	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
49	Are There Any Specific Receptors for Anesthetics? Contradiction in Temperature Dependence of Anesthetic Action.. <i>Seibutsu Butsuri</i> , 2001, 41, 4-8.	0.1	6
50	Phase Behavior of Phospholipid Bilayer Membranes under High Pressure.. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 1995, 4, 223-230.	0.0	5
51	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
52	Phase behavior of binary bilayer membrane of dipalmitoylphosphatidylcholine and stigmasterol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2635-2645.	3.6	4
53	Surface Tension Measurements with High Accuracy. Investigation of Accuracy for Automatic Measurements by the Drop Volume Method.. <i>Journal of Oleo Science</i> , 2001, 50, 173-183.	1.4	4
54	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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55	High Pressure Bioscience. Phospholipid Bilayer Membranes under High Pressure.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1999, 9, 213-220.	0.0	3
56	Preferential partitioning of uncharged local anesthetics into the surface-adsorbed film. Colloids and Surfaces B: Biointerfaces, 2004, 38, 91-99.	5.0	2
57	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
58	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
59	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
60	Subgel-phase formation of membranes of ether-linked phosphatidylcholines. Chemistry and Physics of Lipids, 2021, 239, 105119.	3.2	2
61	Phase Behavior of Phospholipid Bilayer Membranes under High Pressure.. Seibutsu Butsuri, 2000, 40, 94-98.	0.1	1
62	2P129 Binding of Local Anesthetics to Bovine Serum Albumin(31. Protein folding and misfolding) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	0.1	0
63	3P068 Study of the interaction between protein and anesthetic(Proteins-stability, folding, and other) Tj ETQq1 1 0.784314 rgBT /Ove	0.1	0
64	Study on Phase Transitions of Phospholipid Bilayer Membranes under High Pressure. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2021, 31, 96-111.	0.0	0
65	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
66	Temperature and Pressure-Induced Phase Transitions of Phosphatidylethanolamine Bilayer Membranes. Membrane, 2019, 44, 40-49.	0.0	0
67	é«~âœšâš>ãCEè,,è³ã«ãšã1/4ãJMâ1/2±éÿ¿. Kagaku To Seibutsu, 2020, 58, 529-536.	0.0	0
68	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