Teruhiko Baba

List of Publications by Year
in descending order

49 papers	1,167 citations	516561 16 h-index	377752 34 g-index
51 all docs	51 docs citations	51 times ranked	1114 citing authors

#	Article	IF	Citations
1	Effect of liposome surface modification with water-soluble phospholipid polymer chain-conjugated lipids on interaction with human plasma proteins. Journal of Materials Chemistry B, 2022, 10, 2512-2522.	2.9	9
2	Overview of Recent Progress in Studies on Archaealâ€"Type Artificial Lipid Membranes and Their Applications. Membrane, 2022, 47, 46-53.	0.0	0
3	Membrane properties of ether-type phosphatidylcholine bearing partially fluorinated C18-monoacetylenic chains and their applicability to membrane protein reconstitution matrices. Colloids and Surfaces B: Biointerfaces, 2021, 198, 111459.	2.5	3
4	Effect of the fluorination degree of partially fluorinated octyl-phosphocholine surfactants on their interfacial properties and interactions with purple membrane as a membrane protein model. Chemistry and Physics of Lipids, 2020, 227, 104870.	1.5	4
5	Mechanisms of aggregation and fibril formation of the amyloidogenic N-terminal fragment of apolipoprotein A-I. Journal of Biological Chemistry, 2019, 294, 13515-13524.	1.6	15
6	Aggregation behavior of short-chained archaeal phospholipid analogs: Contribution of methyl branches to lipid hydrophobicity and membrane formability. Colloids and Interface Science Communications, 2019, 32, 100200.	2.0	4
7	Effect of Phosphatidylserine and Cholesterol on Membrane-mediated Fibril Formation by the N-terminal Amyloidogenic Fragment of Apolipoprotein A-I. Scientific Reports, 2018, 8, 5497.	1.6	9
8	Formation of stable nanodiscs by bihelical apolipoprotein Aâ€I mimetic peptide. Journal of Peptide Science, 2016, 22, 116-122.	0.8	38
9	Heparin promotes fibril formation by the Nâ€terminal fragment of amyloidogenic apolipoprotein Aâ€I. FEBS Letters, 2016, 590, 3492-3500.	1.3	15
10	Amyloidogenic Mutation Promotes Fibril Formation of the N-terminal Apolipoprotein A-I on Lipid Membranes. Journal of Biological Chemistry, 2015, 290, 20947-20959.	1.6	12
11	Effect of the fluorination degree of hydrophobic chains on the monolayer behavior of unsaturated diacylphosphatidylcholines bearing partially fluorinated 9-octadecynoyl (stearoloyl) groups at the airâ€"water interface. Colloids and Surfaces B: Biointerfaces, 2014, 123, 246-253.	2.5	5
12	Effect of perfluoroalkyl chain length on monolayer behavior of partially fluorinated oleic acid molecules at the airâ€"water interface. Chemistry and Physics of Lipids, 2013, 172-173, 31-39.	1.5	8
13	Physicochemical Studies of Bacteriorhodopsin Reconstituted in Partially Fluorinated Phosphatidylcholine Bilayers. Journal of Physical Chemistry B, 2013, 117, 5422-5429.	1.2	24
14	Non-ideal mixing of dimyristoylphosphatidylcholine with its partially fluorinated analogue in hydrated bilayers. Chemical Physics Letters, 2013, 559, 107-111.	1.2	13
15	Effect of Partial Fluorination in the Myristoyl Groups on Thermal and Interfacial Properties of Dimyristoylphosphatidylcholine. Chemistry Letters, 2012, 41, 1495-1497.	0.7	14
16	Dynamic Molecular Behavior of Semi-Fluorinated Oleic, Elaidic and Stearic Acids in the Liquid State. Journal of Oleo Science, 2012, 61, 649-657.	0.6	8
17	Design and Characterization of Partially Fluorinated Lipid Liquid-Crystal Membranes as Biomaterials. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2010, 68, 206-216.	0.0	7
18	å¹³è¡¡æ‹¡å¼µåœ§ã€€PURE systemã•wPURE systemã€€ãƒ•ãƒ¬ãƒ³ã€€æ¸¬ç'ºçš„ç›¸äº'ä½œç"¨ï¼ˆã«ã‚ˆã‚‹Ï€é›»åãƒ®éžå±€åœ¨åŒ–ï¼‰. Yu 68, 267-267.	0.0	0

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19	Dynamic interaction between oppositely charged vesicles: Aggregation, lipid mixing, and disaggregation. Journal of Colloid and Interface Science, 2008, 320, 611-614.	5.0	9
20	Synthesis and monolayer properties of double-chained phosphatidylcholines containing perfluoroalkyl groups of different length. Journal of Fluorine Chemistry, 2008, 129, 686-690.	0.9	13
21	Synthesis and characterization of partially fluorinated stearolic acid analogs: Effect of their fluorine content on the monolayer at the airâ€“water interface. Journal of Fluorine Chemistry, 2007, 128, 120-126.	0.9	14
22	Synthesis of phospholipids containing perfluorooctyl group and their interfacial properties. Journal of Fluorine Chemistry, 2007, 128, 133-138.	0.9	17
23	Molecular Dynamics Study of Bipolar Tetraether Lipid Membranes. Biophysical Journal, 2005, 89, 3195-3202.	0.2	77
24	Highly fluorinated C18 fatty acids: synthesis and interfacial properties. Journal of Fluorine Chemistry, 2004, 125, 1959-1964.	0.9	22
25	Dynamics of a highly branched lipid bilayer: a molecular dynamics study. Chemical Physics Letters, 2004, 390, 35-40.	1.2	41
26	Molecular Dynamics Study on the Effects of Chain Branching on the Physical Properties of Lipid Bilayers:Â 2. Permeability. Journal of Physical Chemistry B, 2004, 108, 9346-9356.	1.2	115
27	Comparative molecular dynamics study of ether- and ester-linked phospholipid bilayers. Journal of Chemical Physics, 2004, 121, 9648-9654.	1.2	70
28	Artificial Phytanyl-Chained Glycolipid Vesicle Membranes with Low Proton Permeability are Suitable for Proton Pump Reconstitution Matrices. , 2004, , 143-150.		0
29	Glycolipid Liquid Crystals as Novel Matrices for Membrane Protein Manipulations. , 2004, , 129-141.		0
30	Molecular Dynamics Study on the Effect of Chain Branching on the Physical Properties of Lipid Bilayers:â€‰ Structural Stability. Journal of Physical Chemistry B, 2003, 107, 14030-14035.	1.2	58
31	Permeation property and intramembrane environments of synthetic phytanyl-chained glyceroglycolipid membranes. Membrane Science and Technology, 2003, , 605-631.	0.5	0
32	pH and salt-induced reversible aggregation of nonionic synthetic glycolipid vesicles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 207, 215-221.	2.3	13
33	Membrane Properties of Modeled Archaeal Glycolipids and Their Biotechnological Application.. Membrane, 2002, 27, 303-309.	0.0	0
34	Hydration and Molecular Motions in Synthetic Phytanyl-Chained Glycolipid Vesicle Membranes. Biophysical Journal, 2001, 81, 3377-3386.	0.2	45
35	Forces that Control pH-Dependent Aggregation of Nonionic Glycolipid Vesicles. Langmuir, 2001, 17, 1853-1859.	1.6	15
36	Interaction between DNAâ€“cationic liposome complexes and erythrocytes is an important factor in systemic gene transfer via the intravenous route in mice: the role of the neutral helper lipid. Gene Therapy, 2001, 8, 677-686.	2.3	168

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37	Interglycolipid Membrane Interactions: pH-Dependent Aggregation of Nonionic Synthetic Glycolipid Vesicles. Journal of Colloid and Interface Science, 2000, 223, 235-243.	5.0	36
38	Anomeric Effects on the Stability of Bilayers of Galactosylphytoceramides and on the Interaction with Phospholipids. Langmuir, 2000, 16, 7156-7161.	1.6	6
39	Aggregation Behavior of Nonionic Clycolipid Vesicles in Acidic Region. Journal of Dispersion Science and Technology, 2000, 21, 907-913.	1.3	1
40	Self-assembly of synthetic glycolipid/water systems. Advances in Colloid and Interface Science, 1999, 80, 233-270.	7.0	105
41	Formation and characterization of planar lipid bilayer membranes from synthetic phytanyl-chained glycolipids. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1421, 91-102.	1.4	61
42	Synthetic Phytanyl-Chained Glycolipid Vesicle Membrane as a Novel Matrix for Functional Reconstitution of Cyanobacterial Photosystem II Complex. Biochemical and Biophysical Research Communications, 1999, 265, 734-738.	1.0	22
43	Physical properties and structure of poly(ethylene glycol)-silk fibroin conjugate films. Polymer, 1997, 38, 487-490.	1.8	44
44	Lipid Layer-Immobilized Membranes Prepared by Ultrafiltration and Their Gas Permeation Properties. Journal of Colloid and Interface Science, 1994, 163, 259-261.	5.0	1
45	Preparation of N-Propionyl Chitosan Membranes for Ultrafiltration and Their Properties of Chemical Resistance and Fouling.. Kobunshi Ronbunshu, 1994, 51, 523-529.	0.2	0
46	Effect of Organic Solvents as Gelating Agents on Performance of Chitosan Membranes for Ultrafiltration.. Kobunshi Ronbunshu, 1993, 50, 35-40.	0.2	3
47	Evaluation of gas diffusion coefficients in membrane by the volumetric permeability apparatus of the piston-feeder type.. Membrane, 1990, 15, 25-33.	0.0	0
48	Interaction of polyoxyethylene cholesteryl ethers with liposomal membranes. Colloid and Polymer Science, 1989, 267, 201-208.	1.0	7
49	Hemolytic activity of polyoxyethylene cholesteryl ethers. Colloid and Polymer Science, 1987, 265, 943-949.	1.0	16