

# Hiroshi Umakoshi

## List of Publications by Year in descending order

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143  
papers

2,063  
citations

257357

24  
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315616

38  
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144  
all docs

144  
docs citations

144  
times ranked

1974  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergent properties arising from the assembly of amphiphiles. Artificial vesicle membranes as reaction promoters and regulators. <i>Chemical Communications</i> , 2014, 50, 10177-10197.	2.2	115
2	Calcein permeation across phosphatidylcholine bilayer membrane: Effects of membrane fluidity, liposome size, and immobilization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 156-160.	2.5	114
3	Detection of Nanosized Ordered Domains in DOPC/DPPC and DOPC/Ch Binary Lipid Mixture Systems of Large Unilamellar Vesicles Using a TEMPO Quenching Method. <i>Langmuir</i> , 2013, 29, 4830-4838.	1.6	104
4	Chiral Recognition of $\alpha$ -Amino Acids on Liposomes Prepared with $\alpha$ -Phospholipid. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 21065-21072.	4.0	69
5	Span 80 vesicles have a more fluid, flexible and "wet" surface than phospholipid liposomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 28-35.	2.5	61
6	Roles of Sterol Derivatives in Regulating the Properties of Phospholipid Bilayer Systems. <i>Langmuir</i> , 2016, 32, 6176-6184.	1.6	61
7	Liposome Membrane Itself Can Affect Gene Expression in the <i>Escherichia coli</i> Cell-Free Translation System. <i>Langmuir</i> , 2008, 24, 10537-10542.	1.6	53
8	Relationship between the mobility of phosphocholine headgroups of liposomes and the hydrophobicity at the membrane interface: A characterization with spectrophotometric measurements. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 221-230.	2.5	44
9	Characterization of Aqueous Oleic Acid/Oleate Dispersions by Fluorescent Probes and Raman Spectroscopy. <i>Langmuir</i> , 2016, 32, 7606-7612.	1.6	42
10	Systematical Characterization of Phase Behaviors and Membrane Properties of Fatty Acid/Didecyltrimethylammonium Bromide Vesicles. <i>Langmuir</i> , 2014, 30, 12721-12728.	1.6	38
11	Membrane Surface-Enhanced Raman Spectroscopy for Sensitive Detection of Molecular Behavior of Lipid Assemblies. <i>Analytical Chemistry</i> , 2015, 87, 4772-4780.	3.2	38
12	Liposome Modified with Mn <sup>2+</sup> Porphyrin Complex Can Simultaneously Induce Antioxidative Enzyme-like Activity of Both Superoxide Dismutase and Peroxidase. <i>Langmuir</i> , 2008, 24, 4451-4455.	1.6	37
13	Extractive cultivation of <i>Escherichia coli</i> using poly(ethylene glycol)/phosphate aqueous two-phase systems to produce intracellular $\beta$ -galactosidase. <i>Biotechnology Progress</i> , 1995, 11, 202-207.	1.3	36
14	<p></p>The Potential Anticancer Activity of 5-Fluorouracil Loaded in Cellulose Fibers Isolated from Rice Straw<p></p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 5417-5432.	3.3	36
15	Conformational change of single-stranded RNAs induced by liposome binding. <i>Nucleic Acids Research</i> , 2011, 39, 8891-8900.	6.5	35
16	Model System for Heat-Induced Translocation of Cytoplasmic $\beta$ -Galactosidase across Phospholipid Bilayer Membrane. <i>Biotechnology Progress</i> , 1998, 14, 218-226.	1.3	34
17	Liposome-Recruited Activity of Oxidized and Fragmented Superoxide Dismutase. <i>Langmuir</i> , 2008, 24, 350-354.	1.6	33
18	Chiral Selective Adsorption of Ibuprofen on a Liposome Membrane. <i>Journal of Physical Chemistry B</i> , 2016, 120, 2790-2795.	1.2	33

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19	Evaluation of temperature and guanidine hydrochloride-induced protein-liposome interactions by using immobilized liposome chromatography. <i>Biochemical Engineering Journal</i> , 2006, 29, 174-181.	1.8	32
20	Extractive Cultivation of Recombinant <i>Escherichia coli</i> using Aqueous Two-Phase Systems for Production and Separation of Intracellular Heat Shock Proteins. <i>Biotechnology Progress</i> , 1996, 12, 51-56.	1.3	30
21	Active Targeting to Osteosarcoma Cells and Apoptotic Cell Death Induction by the Novel Lectin <i>Eucheuma serra</i> Agglutinin Isolated from a Marine Red Alga. <i>Journal of Drug Delivery</i> , 2012, 2012, 1-11.	2.5	26
22	Multi-Level Characterization of the Membrane Properties of Resveratrol-Incorporated Liposomes. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4091-4098.	1.2	26
23	Charged liposome affects the translation and folding steps of in vitro expression of green fluorescent protein. <i>Journal of Bioscience and Bioengineering</i> , 2009, 108, 450-454.	1.1	25
24	Conformationally Changed Cytochrome c-Mediated Fusion of Enzyme- and Substrate-Containing Liposomes. <i>Biotechnology Progress</i> , 1999, 15, 689-696.	1.3	24
25	Heterogeneous Cationic Liposomes Modified with 3 <sup>β</sup> -[N-(N,N-dimethylamino)ethyl]carbamoyl-cholesterol Can Induce Partial Conformational Changes in Messenger RNA and Regulate Translation in an <i>Escherichia coli</i> Cell-Free Translation System. <i>Langmuir</i> , 2013, 29, 1899-1907.	1.6	24
26	Solvatochromic Modeling of Laurdan for Multiple Polarity Analysis of Dihydr sphingomyelin Bilayer. <i>Biophysical Journal</i> , 2019, 116, 874-883.	0.2	24
27	Immobilized-Liposome Sensor System for Detection of Proteins under Stress Conditions. <i>Membrane</i> , 2007, 32, 294-301.	0.0	23
28	Detection of a heat stress-mediated interaction between protein and phospholipid membrane using dielectric measurement. <i>Journal of Bioscience and Bioengineering</i> , 2003, 95, 252-256.	1.1	22
29	Membrane interaction between Span 80 vesicle and phospholipid vesicle (liposome): Span 80 vesicle can perturb and hemifuse with liposomal membrane. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 106, 258-264.	2.5	21
30	Membrane Surface-Enhanced Raman Spectroscopy for Cholesterol-Modified Lipid Systems: Effect of Gold Nanoparticle Size. <i>ACS Omega</i> , 2019, 4, 13687-13695.	1.6	21
31	Immobilization of intact liposomes on solid surfaces: A quartz crystal microbalance study. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 902-907.	5.0	20
32	Functional Hydration Behavior: Interrelation between Hydration and Molecular Properties at Lipid Membrane Interfaces. <i>Journal of Chemistry</i> , 2019, 2019, 1-15.	0.9	20
33	Lipid-Surrounding Water Molecules Probed by Time-Resolved Emission Spectra of Laurdan. <i>Langmuir</i> , 2019, 35, 6762-6770.	1.6	20
34	Heat-Induced Translocation of Cytoplasmic $\beta$ -Galactosidase across Inner Membrane of <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 1998, 14, 210-217.	1.3	19
35	Polymethylthiophene/Nafion-modified glassy carbon electrode for selective detection of dopamine in the presence of ascorbic acid. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 2035-2042.	1.5	18
36	Pseudo-Interphase of Liposome Promotes 1,3-Dipolar Cycloaddition Reaction of Benzonitrile Oxide and N-Ethylmaleimide in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9772-9779.	1.2	17

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37	Induction of Chiral Recognition with Lipid Nanodomains Produced by Polymerization. <i>Biomacromolecules</i> , 2017, 18, 1180-1188.	2.6	17
38	Cationic liposome can interfere mRNA translation in an E. coli cell-free translation system. <i>Biochemical Engineering Journal</i> , 2010, 52, 38-43.	1.8	16
39	Quantitative Monitoring of Microphase Separation Behaviors in Cationic Liposomes Using HHC, DPH, and Laurdan: Estimation of the Local Electrostatic Potentials in Microdomains. <i>Langmuir</i> , 2016, 32, 3630-3636.	1.6	16
40	Gel-Phase-like Ordered Membrane Properties Observed in Dispersed Oleic Acid/1-Oleoylglycerol Self-Assemblies: Systematic Characterization Using Raman Spectroscopy and a Laurdan Fluorescent Probe. <i>Langmuir</i> , 2018, 34, 2081-2088.	1.6	16
41	Characterization of Ionic Liquid Aqueous Two-Phase Systems: Phase Separation Behaviors and the Hydrophobicity Index between the Two Phases. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5866-5874.	1.2	16
42	Characterization and control of stimuli-induced membrane fusion of liposomes in the presence of proteins and stimuli responsive polymers. <i>Biochemical Engineering Journal</i> , 2002, 12, 7-19.	1.8	15
43	Development of liposome-based mimics of superoxide dismutase and peroxidase based on the $\alpha$ -LIPzyme concept. <i>Journal of Biotechnology</i> , 2010, 147, 59-63.	1.9	15
44	Insight into the Exosomal Membrane: From Viewpoints of Membrane Fluidity and Polarity. <i>Langmuir</i> , 2021, 37, 11195-11202.	1.6	15
45	Liposomes destabilize tRNA during heat stress. <i>Biotechnology Journal</i> , 2010, 5, 526-529.	1.8	14
46	Use Liposome as a Designable Platform for Molecular Recognition ~ from $\alpha$ -Statistical Separation to $\alpha$ -Recognitive Separation. <i>Solvent Extraction Research and Development</i> , 2013, 20, 1-13.	0.5	14
47	Systematic Characterization of DMPC/DHPC Self-Assemblies and Their Phase Behaviors in Aqueous Solution. <i>Colloids and Interfaces</i> , 2018, 2, 73.	0.9	14
48	Systematic Characterization of Nanostructured Lipid Carriers from Cetyl Palmitate/Caprylic Triglyceride/Tween 80 Mixtures in an Aqueous Environment. <i>Langmuir</i> , 2021, 37, 4284-4293.	1.6	14
49	$\text{Au}^{2+}$ /Cu-catalyzed oxidation of cholesterol in 1,2-dipalmitoyl phosphatidylcholine liposome membrane. <i>Journal of Bioscience and Bioengineering</i> , 2010, 109, 145-148.	1.1	13
50	Relationship between the mobility of phosphocholine headgroup and the protein-liposome interaction: A dielectric spectroscopic study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 343-350.	2.5	13
51	Fluorescent Probe Study of AOT Vesicle Membranes and Their Alteration upon Addition of Aniline or the Aniline Dimer <i>p</i> -Aminodiphenylamine (PADPA). <i>Langmuir</i> , 2017, 33, 1984-1994.	1.6	13
52	Negatively charged liposome as a potent inhibitor of post-translation during in vitro synthesis of green fluorescent protein. <i>Biochemical Engineering Journal</i> , 2009, 46, 154-160.	1.8	12
53	Enhanced Cytotoxicity for Colon 26 Cells Using Doxorubicin-Loaded Sorbitan Monooleate (Span 80) Vesicles. <i>International Journal of Biological Sciences</i> , 2013, 9, 142-148.	2.6	12
54	Tailor-made drug carrier: Comparison of formation-dependent physicochemical properties within self-assembled aggregates for an optimal drug carrier. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 269-276.	2.5	12

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55	Melting-Temperature-Dependent Interactions of Ergosterol with Unsaturated and Saturated Lipids in Model Membranes. <i>Langmuir</i> , 2019, 35, 10640-10647.	1.6	12
56	Liposome Membrane as a Platform for the $\alpha$ -Pro-Catalyzed Michael Addition of <i>trans</i> - $\beta$ -Nitrostyrene and Acetone. <i>Langmuir</i> , 2015, 31, 12968-12974.	1.6	11
57	Liposomes modified with cardiolipin can act as a platform to regulate the potential flux of NADP + -dependent isocitrate dehydrogenase. <i>Metabolic Engineering Communications</i> , 2016, 3, 8-14.	1.9	11
58	Direct Observation of Amyloid $\beta$ Behavior at Phospholipid Membrane Constructed on Gold Nanoparticles. <i>International Journal of Analytical Chemistry</i> , 2018, 2018, 1-7.	0.4	11
59	Role of liposome on recognition and folding of oxidized and fragmented superoxide dismutase for its re-activation. <i>Biochemical Engineering Journal</i> , 2009, 46, 313-319.	1.8	10
60	Formation of lens-like vesicles induced via microphase separations on a sorbitan monoester membrane with different headgroups. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 235-242.	2.5	10
61	Liposomes Can Achieve Enantioselective C-C Bond Formation of an $\alpha$ -Amino Acid Derivative in Aqueous Media. <i>ACS Omega</i> , 2017, 2, 91-97.	1.6	10
62	Ergosterol-Induced Ordered Phase in Ternary Lipid Mixture Systems of Unsaturated and Saturated Phospholipid Membranes. <i>Journal of Physical Chemistry B</i> , 2019, 123, 6161-6168.	1.2	10
63	A Simple Method for Continuous Synthesis of Bicelles in Microfluidic Systems. <i>Langmuir</i> , 2021, 37, 12255-12262.	1.6	10
64	Utilization of Cell Response under Heat, Chemical, and Combined Stresses for Selective Recovery of Cytoplasmic $\beta$ -Galactosidase from <i>Escherichia coli</i> Cells. <i>Biotechnology Progress</i> , 1998, 14, 909-912.	1.3	9
65	Growth behavior of $\beta$ protofibrils on liposome membranes and their membrane perturbation effect. <i>Biochemical Engineering Journal</i> , 2013, 71, 81-88.	1.8	9
66	Membranomics Research on Interactions between Liposome Membranes with Membrane Chip Analysis. <i>Membrane</i> , 2009, 34, 342-350.	0.0	8
67	Chitosanase displayed on liposome can increase its activity and stability. <i>Journal of Biotechnology</i> , 2010, 146, 105-113.	1.9	8
68	Modulation of yeast hexokinase on bio-inspired membranes. <i>Biochemical Engineering Journal</i> , 2012, 69, 138-143.	1.8	8
69	Development of metal affinity-immobilized liposome chromatography and its basic characteristics. <i>Biochemical Engineering Journal</i> , 2014, 84, 66-73.	1.8	8
70	Effect of Boundary Edge in DOPC/DPPC/Cholesterol Liposomes on Acceleration of $\alpha$ -Histidine Preferential Adsorption. <i>Langmuir</i> , 2016, 32, 6011-6019.	1.6	8
71	Comparison of Physicochemical Membrane Properties of Vesicles Modified with Guanidinium Derivatives. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9213-9222.	1.2	8
72	A novel method of vesicle preparation by simple dilution of bicelle solution. <i>Biochemical Engineering Journal</i> , 2020, 162, 107725.	1.8	8

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73	Enhanced Release of Chitosanase from <i>Streptomyces griseus</i> through Direct Interaction of Liposome with Cell Membrane under Heat Stress. <i>Journal of Bioscience and Bioengineering</i> , 2008, 106, 602-605.	1.1	7
74	Oxidative Stress Can Affect the Gene Silencing Effect of DOTAP Liposome in an <i>In Vitro</i> Translation System. <i>International Journal of Biological Sciences</i> , 2011, 7, 253-260.	2.6	7
75	Formation of spherulitic amyloid $\beta^2$ aggregate by anionic liposomes. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 165-171.	1.0	7
76	High performance optical resolution with liposome immobilized hydrogel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 256-261.	2.5	7
77	Evaluation of Molecular Ordering in Bicelle Bilayer Membranes Based on Induced Circular Dichroism Spectra. <i>Langmuir</i> , 2020, 36, 3242-3250.	1.6	7
78	Comparison of Partitioning Behaviors of L-/D-Trp in Solvent-Water System and Liposome Membrane System. <i>Solvent Extraction Research and Development</i> , 2013, 20, 213-217.	0.5	7
79	Dependence of the Core-Shell Structure on the Lipid Composition of Nanostructured Lipid Carriers: Implications for Drug Carrier Design. <i>ACS Applied Nano Materials</i> , 2022, 5, 9958-9969.	2.4	7
80	Characterization of Oxidized and Fragmented Superoxide Dismutase Recruited on Liposome Surface. <i>Membrane</i> , 2008, 33, 173-179.	0.0	6
81	Monitoring of membrane damages by dialysis treatment: Study with membrane chip analysis. <i>Desalination and Water Treatment</i> , 2010, 17, 45-51.	1.0	6
82	A new biosensing by Dielectric Dispersion Analysis of interaction between lipid membrane of liposome and target biomolecules up to 20 GHz range. , 2012, , .		6
83	Hydrophobic Properties of tRNA with Varied Conformations Evaluated by an Aqueous Two-Phase System. <i>International Journal of Biological Sciences</i> , 2012, 8, 1188-1196.	2.6	6
84	Secondary nucleation of $\text{A}\beta^2$ fibrils on liposome membrane. <i>AIChE Journal</i> , 2012, 58, 3625-3632.	1.8	6
85	Design of Pyrene-Fatty Acid Conjugates for Real-Time Monitoring of Drug Delivery and Controllability of Drug Release. <i>ACS Omega</i> , 2018, 3, 3572-3580.	1.6	6
86	Liposome Membranes Assist the Proline-catalyzed Aldol Reaction of Acetone and p-Nitrobenzaldehyde in Water. <i>Chemistry Letters</i> , 2018, 47, 931-934.	0.7	6
87	Aggregation of chlorophyll a induced in self-assembled membranes composed of DMPC and DHPC. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 403-408.	2.5	6
88	Enzymatic hydrolysis of cellulose recovered from ionic liquid-salt aqueous two-phase system. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 624-631.	1.1	6
89	Cationic Liposome Inhibits Gene Expression in an <i>E.coli</i> Cell-Free Translation System. <i>Membrane</i> , 2009, 34, 146-151.	0.0	5
90	Preparation of Hollow Fiber Immobilized Liposome Membrane. <i>Membrane</i> , 2009, 34, 272-280.	0.0	5

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91	Characterization of the physicochemical properties of phospholipid vesicles prepared in CO <sub>2</sub> /water systems at high pressure. <i>Biointerphases</i> , 2015, 10, 031005.	0.6	5
92	Electrophoretic separation method for membrane pore-forming proteins in multilayer lipid membranes. <i>Electrophoresis</i> , 2016, 37, 762-768.	1.3	5
93	Preferential Adsorption of L-Histidine onto DOPC/Sphingomyelin/3-[(2-dimethylaminoethane)carbamoyl]cholesterol Liposomes in the Presence of Chiral Organic Acids. <i>Langmuir</i> , 2017, 33, 3831-3838.	1.6	5
94	Adsorption Behavior of Propranolol on Negatively-Charged Liposomes and Its Influence on Membrane Fluidity and Polarity. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 1721-1728.	0.9	5
95	Effective Concentration of Ionic Liquids for Enhanced Saccharification of Cellulose. <i>ChemEngineering</i> , 2018, 2, 47.	1.0	5
96	Detection of L-Proline-Catalyzed Michael Addition Reaction in Model Biomembrane. <i>Journal of Chemistry</i> , 2019, 2019, 1-8.	0.9	5
97	Characterization of Amyloid $\beta$ Fibrils with An Aqueous Two-Phase System: Implications of Fibril Formation. <i>Solvent Extraction Research and Development</i> , 2010, 17, 121-128.	0.5	5
98	Preferential Adsorption of L-Tryptophan by L-Phospholipid Coated Porous Polymer Particles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, , 112535.	2.5	5
99	Homochiral oligomerization of L-histidine in the presence of liposome membranes. <i>Colloid and Polymer Science</i> , 2015, 293, 3649-3653.	1.0	4
100	Characterization of sorbitan surfactant-based vesicles at the molecular scale using NMR: Effect of acyl chain length vs. phospholipid composition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 33-37.	2.5	4
101	Development of Easy, Harmless, and Energy-saving Water Cleanup Method Based on Self-flotation of Hollow Glass Beads Coated with Fatty Acids. <i>Chemistry Letters</i> , 2016, 45, 544-546.	0.7	4
102	Enantioselective C=C Bond Formation Enhanced by Self-Assembly of Achiral Surfactants. <i>ACS Omega</i> , 2017, 2, 1447-1453.	1.6	4
103	Modulation of the Belousov-Zhabotinsky Reaction with Lipid Bilayers: Effects of Lipid Head Groups and Membrane Properties. <i>Langmuir</i> , 2021, 37, 6811-6818.	1.6	4
104	Quantitative Determination of Relative Permittivity Based on the Fluorescence Property of Pyrene Derivatives: An Interpretation of Hydrophobicity in Self-Assembled Aggregates of Nonionic Amphiphiles. <i>Journal of Physical Chemistry B</i> , 2021, 125, 6192-6200.	1.2	4
105	Characterization of entrapment behavior of polyphenols in nanostructured lipid carriers and its effect on their antioxidative activity. <i>Journal of Bioscience and Bioengineering</i> , 2022, 134, 269-275.	1.1	4
106	Fluorescence study on the domain formation of N-dodecanoyl-L-tryptophan within a liposome membrane. <i>Colloid and Polymer Science</i> , 2006, 285, 239-243.	1.0	3
107	Cutting-Edge of Membrane Stress Biotechnology. <i>Membrane</i> , 2008, 33, 300-306.	0.0	3
108	Sensitivity Enhancement of Leakage Current Microsensor for Detection of Target Protein by Using Protein Denaturant. <i>IEEE Sensors Journal</i> , 2011, 11, 2749-2755.	2.4	3

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109	Investigation of Fatty Acid Ketohydrazone Modified Liposome's Properties as a Drug Carrier. Journal of Drug Delivery, 2015, 2015, 1-7.	2.5	3
110	Development of Time-course Oxygen Binding Analysis for Hemoglobin-based Oxygen Carriers. Analytical Sciences, 2017, 33, 953-956.	0.8	3
111	Nanotechnology for Food Engineering: Biomembrane and Nanocarriers. Journal of Chemistry, 2019, 2019, 1-3.	0.9	3
112	Effect of dehydrocholic acid conjugated with a hydrocarbon on a lipid bilayer composed of 1,2-dioleoyl-sn-glycero-3-phosphocholine. Colloids and Surfaces B: Biointerfaces, 2019, 181, 58-65.	2.5	3
113	Structure and Properties Characterization of Amphiphilic Dendrons Modified Lipid Membrane. Chemistry Letters, 2021, 50, 187-190.	0.7	3
114	Investigation of Quercetin interaction behaviors with lipid bilayers: Toward understanding its antioxidative effect within biomembrane. Journal of Bioscience and Bioengineering, 2021, 132, 49-55.	1.1	3
115	Superoxide Dismutase-like Activity of Liposomes Modified with Dodecanoyl His and Metal Ions. Membrane, 2008, 33, 180-187.	0.0	2
116	A leakage current microsensor for detection of interaction between an electrolyte-entrapping liposome and protein. , 2009, , .		2
117	Preparation of superoxide dismutase LIPOzyme in hollow fiber membrane module. Desalination and Water Treatment, 2010, 17, 281-287.	1.0	2
118	Partitioning of Hydrophobic Molecules to Liposome Membranes Can Induce Variations in their Micro-Polarity and Micro-Viscosity. Solvent Extraction Research and Development, 2015, 22, 79-85.	0.5	2
119	In Situ Cell Surface Modification for Surface-enhanced Raman Analysis of Cell Membrane. Chemistry Letters, 2016, 45, 622-624.	0.7	2
120	Liposome membrane can induce self-cleavage of RNA that models the core fragments of hammerhead ribozyme. European Biophysics Journal, 2016, 45, 55-62.	1.2	2
121	Preparation and Characterization of Poly-<i>N,N'-isopropylacrylamide</i> Cryogels containing Liposomes and Their Adsorption Properties of Tryptophan. Solvent Extraction Research and Development, 2018, 25, 37-46.	0.5	2
122	Characterization of DDAB/Cholesterol Vesicles and Its Comparison with Lipid/Cholesterol Vesicles. Journal of Nanoscience and Nanotechnology, 2018, 18, 1989-1994.	0.9	2
123	Changes Caused by Liposomes to the Belousov-Zhabotinsky Reaction. Journal of Physical Chemistry B, 2020, 124, 9862-9869.	1.2	2
124	Preparation of Bilayer Molecular Assembly from Fatty Acid and Detergent. Kagaku Kogaku Ronbunshu, 2021, 47, 51-56.	0.1	2
125	A bio-thermochemical sensor of microbolometer immobilized liposome for detection of causative protein of Alzheimer's disease, amyloid beta. , 2009, , .		1
126	Engineering Science of LIPOzyme Process Chemistry. Membrane, 2009, 34, 179-185.	0.0	1



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127	Effect of Stearylguanidinium-Modified POPC Vesicles on the Melting Behavior of tRNA Molecules. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5662-5669.	1.2	1
128	Characterization of Liposome Membrane Containing Chlorophyll a Molecules and Its Photosensitized Functions. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4888-4893.	0.9	1
129	Hydrolase-Like Activity Provided by Zinc(II) and Oleoyl-Histidine at Liposome Membrane Surface. <i>Colloids and Interfaces</i> , 2018, 2, 24.	0.9	1
130	Smart Preparation of Polydiacetylene Hydrogel Based on Self-Assembly of Tricosadiynoic Acid and 1-Oleoylglycerol (Monoolein). <i>Journal of Chemical Engineering of Japan</i> , 2019, 52, 311-316.	0.3	1
131	Characterization of pH-Responsive Self-Assembly Behaviors of Fatty Acid-Functionalized Prodrug. <i>Biochemical Engineering Journal</i> , 2020, 164, 107794.	1.8	1
132	Site Specific Analysis of Anionic Lipid by Membrane Surface-enhanced Raman Spectroscopy with Different Sized Gold Nanoparticles. <i>Chemistry Letters</i> , 2020, 49, 1107-1110.	0.7	1
133	Effects of Lipid Bilayers and Polarity of the Organic Substrate on the Belousovâ€ŽZhabotinsky Reaction. <i>Membrane</i> , 2021, 46, 233-240.	0.0	1
134	A Simple Dilution Method for Preparation of Different Aggregates from Oleic Acid/CHAPSO Bicelles. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 5993-5999.	0.9	1
135	A â€œMembranomeâ€• Based Approach toward â€œBio-Inspired Membraneâ€• <i>Membrane</i> , 2012, 37, 264-269.	0.0	1
136	â€œOriginal Contributionâ€ Potential Interaction Behavior of Lanosterol and Unsaturated Phosphocholine in Monolayer Membrane. <i>Membrane</i> , 2019, 44, 199-233.	0.0	1
137	Protein Recognition by Stressed Liposome. <i>Membrane</i> , 2010, 35, 224-229.	0.0	0
138	Comparison of the Interfacial Properties of Span 80 Vesicle, W/O Emulsions and Liposomes. <i>Solvent Extraction Research and Development</i> , 2014, 21, 191-199.	0.5	0
139	A Novel Role of Vesicles as Templates for the Oxidation and Oligomerization of <i>p</i> -Aminodiphenylamine by Cytochrome <i>c</i> . <i>Helvetica Chimica Acta</i> , 2017, 100, e1700027.	1.0	0
140	Medical Applications of Biointerface. <i>Hyomen Kagaku</i> , 2009, 30, 236-247.	0.0	0
141	Chiral Recognition / Conversion on Liposome. <i>Membrane</i> , 2019, 44, 69-75.	0.0	0
142	Characterization of Molecular Behaviors on Phospholipid Membrane Surface based on Membrane Surface-Enhanced Raman Spectroscopy Method. <i>Vacuum and Surface Science</i> , 2019, 62, 194-197.	0.0	0
143	Silver Nanoparticleâ€ Phospholipid Selfâ€ Assembly Systems for Membrane Surfaceâ€ Enhanced Raman Spectroscopy Analysis. <i>Membrane</i> , 2020, 45, 187-192.	0.0	0