

Hiroshi Umakoshi

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141
papers

1,633
citations

21
h-index

33
g-index

144
ext. papers

1,844
ext. citations

3.8
avg, IF

4.86
L-index

#	Paper	IF	Citations
141	Emergent properties arising from the assembly of amphiphiles. Artificial vesicle membranes as reaction promoters and regulators. <i>Chemical Communications</i> , 2014 , 50, 10177-97	5.8	106
140	Calcein permeation across phosphatidylcholine bilayer membrane: effects of membrane fluidity, liposome size, and immobilization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 73, 156-60	6	99
139	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, 4830-8	4	87
138	Chiral Recognition of L-Amino Acids on Liposomes Prepared with L-Phospholipid. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21065-72	9.5	53
137	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	6	52
136	Liposome membrane itself can affect gene expression in the Escherichia coli cell-free translation system. <i>Langmuir</i> , 2008 , 24, 10537-42	4	49
135	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, 221-30	6	38
134	Roles of Sterol Derivatives in Regulating the Properties of Phospholipid Bilayer Systems. <i>Langmuir</i> , 2016 , 32, 6176-84	4	36
133	Model system for heat-induced translocation of cytoplasmic beta-galactosidase across phospholipid bilayer membrane. <i>Biotechnology Progress</i> , 1998 , 14, 218-26	2.8	33
132	Liposome modified with Mn-porphyrin complex can simultaneously induce antioxidative enzyme-like activity of both superoxide dismutase and peroxidase. <i>Langmuir</i> , 2008 , 24, 4451-5	4	33
131	Membrane surface-enhanced Raman spectroscopy for sensitive detection of molecular behavior of lipid assemblies. <i>Analytical Chemistry</i> , 2015 , 87, 4772-80	7.8	32
130	Systematical characterization of phase behaviors and membrane properties of fatty acid/didecyldimethylammonium bromide vesicles. <i>Langmuir</i> , 2014 , 30, 12721-8	4	32
129	Characterization of Aqueous Oleic Acid/Oleate Dispersions by Fluorescent Probes and Raman Spectroscopy. <i>Langmuir</i> , 2016 , 32, 7606-12	4	31
128	Liposome-recruited activity of oxidized and fragmented superoxide dismutase. <i>Langmuir</i> , 2008 , 24, 350-4		31
127	Extractive cultivation of Escherichia coli using poly(ethylene glycol)/phosphate aqueous two-phase systems to produce intracellular beta-galactosidase. <i>Biotechnology Progress</i> , 1995 , 11, 202-7	2.8	31
126	Evaluation of temperature and guanidine hydrochloride-induced protein-liposome interactions by using immobilized liposome chromatography. <i>Biochemical Engineering Journal</i> , 2006 , 29, 174-181	4.2	30
125	Extractive cultivation of recombinant Escherichia coli using aqueous two-phase systems for production and separation of intracellular heat shock proteins. <i>Biotechnology Progress</i> , 1996 , 12, 51-6	2.8	29

124	Chiral Selective Adsorption of Ibuprofen on a Liposome Membrane. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 2790-5	3.4	27
123	Conformational change of single-stranded RNAs induced by liposome binding. <i>Nucleic Acids Research</i> , 2011 , 39, 8891-900	20.1	26
122	Conformationally changed cytochrome c-mediated fusion of enzyme- and substrate-containing liposomes. <i>Biotechnology Progress</i> , 1999 , 15, 689-96	2.8	24
121	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, 450-4	3.3	23
120	Heterogeneous cationic liposomes modified with 3[<i>N</i> -[(<i>N</i> ', <i>N</i> '-dimethylamino)ethyl]carbonyl]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, 1899-907	4	21
119	Multi-Level Characterization of the Membrane Properties of Resveratrol-Incorporated Liposomes. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 4091-4098	3.4	20
118	Immobilization of intact liposomes on solid surfaces: a quartz crystal microbalance study. <i>Journal of Colloid and Interface Science</i> , 2009 , 336, 902-7	9.3	19
117	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, 842785-3	2.3	18
116	Immobilized-Liposome Sensor System for Detection of Proteins under Stress Conditions. <i>Membrane</i> , 2007 , 32, 294-301	0	18
115	Heat-induced translocation of cytoplasmic beta-galactosidase across inner membrane of <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 1998 , 14, 210-7	2.8	17
114	Detection of a heat stress-mediated interaction between protein and phospholipid membrane using dielectric measurement. <i>Journal of Bioscience and Bioengineering</i> , 2003 , 95, 252-6	3.3	17
113	The Potential Anticancer Activity of 5-Fluorouracil Loaded in Cellulose Fibers Isolated from Rice Straw. <i>International Journal of Nanomedicine</i> , 2020 , 15, 5417-5432	7.3	17
112	Pseudo-Interphase of Liposome Promotes 1,3-Dipolar Cycloaddition Reaction of Benzonitrile Oxide and <i>N</i> -Ethylmaleimide in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 9772-9	3.4	16
111	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, 258-64	6	15
110	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	2.6	15
109	Lipid-Surrounding Water Molecules Probed by Time-Resolved Emission Spectra of Laurdan. <i>Langmuir</i> , 2019 , 35, 6762-6770	4	14
108	Solvatochromic Modeling of Laurdan for Multiple Polarity Analysis of Dihydrospingomyelin Bilayer. <i>Biophysical Journal</i> , 2019 , 116, 874-883	2.9	14
107	Development of liposome-based mimics of superoxide dismutase and peroxidase based on the "LIPOzyme" concept. <i>Journal of Biotechnology</i> , 2010 , 147, 59-63	3.7	14

106	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	4.2	14
105	Use Liposome as a Designable Platform for Molecular Recognition ~ from Statistical Separation to Recognitive Separation. <i>Solvent Extraction Research and Development</i> , 2013 , 20, 1-13	0.7	13
104	Liposomes destabilize tRNA during heat stress. <i>Biotechnology Journal</i> , 2010 , 5, 526-9	5.6	13
103	Cationic liposome can interfere mRNA translation in an E. coli cell-free translation system. <i>Biochemical Engineering Journal</i> , 2010 , 52, 38-43	4.2	13
102	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, 3630-6	4	13
101	Fluorescent Probe Study of AOT Vesicle Membranes and Their Alteration upon Addition of Aniline or the Aniline Dimer p-Aminodiphenylamine (PADPA). <i>Langmuir</i> , 2017 , 33, 1984-1994	4	12
100	Induction of Chiral Recognition with Lipid Nanodomains Produced by Polymerization. <i>Biomacromolecules</i> , 2017 , 18, 1180-1188	6.9	12
99	Functional Hydration Behavior: Interrelation between Hydration and Molecular Properties at Lipid Membrane Interfaces. <i>Journal of Chemistry</i> , 2019 , 2019, 1-15	2.3	12
98	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	4	12
97	Abeta/Cu-catalyzed oxidation of cholesterol in 1,2-dipalmitoyl phosphatidylcholine liposome membrane. <i>Journal of Bioscience and Bioengineering</i> , 2010 , 109, 145-8	3.3	12
96	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	6	11
95	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	4.2	11
94	Systematic Characterization of DMPC/DHPC Self-Assemblies and Their Phase Behaviors in Aqueous Solution. <i>Colloids and Interfaces</i> , 2018 , 2, 73	3	11
93	Liposomes Can Achieve Enantioselective C-C Bond Formation of an Amino Acid Derivative in Aqueous Media. <i>ACS Omega</i> , 2017 , 2, 91-97	3.9	10
92	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	6.5	10
91	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, 343-50	6	10
90	Enhanced cytotoxicity for colon 26 cells using doxorubicin-loaded sorbitan monooleate (Span 80) vesicles. <i>International Journal of Biological Sciences</i> , 2013 , 9, 142-8	11.2	10
89	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	4.2	10

88	Membrane Surface-Enhanced Raman Spectroscopy for Cholesterol-Modified Lipid Systems: Effect of Gold Nanoparticle Size. <i>ACS Omega</i> , 2019 , 4, 13687-13695	3.9	9
87	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	3.4	9
86	Utilization of cell response under heat, chemical, and combined stresses for selective recovery of cytoplasmic beta-galactosidase from Escherichia coli cells. <i>Biotechnology Progress</i> , 1998 , 14, 909-12	2.8	9
85	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	6	8
84	Liposome Membrane as a Platform for the L-Pro-Catalyzed Michael Addition of trans- β -Nitrostyrene and Acetone. <i>Langmuir</i> , 2015 , 31, 12968-74	4	8
83	Modulation of yeast hexokinase on bio-inspired membranes. <i>Biochemical Engineering Journal</i> , 2012 , 69, 138-143	4.2	8
82	Chitosanase displayed on liposome can increase its activity and stability. <i>Journal of Biotechnology</i> , 2010 , 146, 105-13	3.7	8
81	High performance optical resolution with liposome immobilized hydrogel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 136, 256-61	6	7
80	Development of metal affinity-immobilized liposome chromatography and its basic characteristics. <i>Biochemical Engineering Journal</i> , 2014 , 84, 66-73	4.2	7
79	Growth behavior of α -protofibrils on liposome membranes and their membrane perturbation effect. <i>Biochemical Engineering Journal</i> , 2013 , 71, 81-88	4.2	7
78	Membranomics Research on Interactions between Liposome Membranes with Membrane Chip Analysis. <i>Membrane</i> , 2009 , 34, 342-350	0	7
77	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, 602-5	3.3	7
76	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	0.7	7
75	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	3.9	6
74	Oxidative stress can affect the gene silencing effect of DOTAP liposome in an in vitro translation system. <i>International Journal of Biological Sciences</i> , 2011 , 7, 253-60	11.2	6
73	Monitoring of membrane damages by dialysis treatment: Study with membrane chip analysis. <i>Desalination and Water Treatment</i> , 2010 , 17, 45-51		6
72	Characterization of Oxidized and Fragmented Superoxide Dismutase Recruited on Liposome Surface. <i>Membrane</i> , 2008 , 33, 173-179	0	6
71	A novel method of vesicle preparation by simple dilution of bicelle solution. <i>Biochemical Engineering Journal</i> , 2020 , 162, 107725	4.2	6

70	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	6	6
69	Direct Observation of Amyloid Behavior at Phospholipid Membrane Constructed on Gold Nanoparticles. <i>International Journal of Analytical Chemistry</i> , 2018 , 2018, 2571808	1.4	6
68	Effect of Boundary Edge in DOPC/DPPC/Cholesterol Liposomes on Acceleration of l-Histidine Preferential Adsorption. <i>Langmuir</i> , 2016 , 32, 6011-9	4	5
67	Melting-Temperature-Dependent Interactions of Ergosterol with Unsaturated and Saturated Lipids in Model Membranes. <i>Langmuir</i> , 2019 , 35, 10640-10647	4	5
66	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	3.4	5
65	Characterization of the physicochemical properties of phospholipid vesicles prepared in CO ₂ /water systems at high pressure. <i>Biointerphases</i> , 2015 , 10, 031005	1.8	5
64	Formation of spherulitic amyloid aggregate by anionic liposomes. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 426, 165-71	3.4	5
63	Cationic Liposome Inhibits Gene Expression in an E.coliCellFree Translation System. <i>Membrane</i> , 2009 , 34, 146-151	0	5
62	Preparation of Hollow Fiber Immobilized Liposome Membrane. <i>Membrane</i> , 2009 , 34, 272-280	0	5
61	Effective Concentration of Ionic Liquids for Enhanced Saccharification of Cellulose. <i>ChemEngineering</i> , 2018 , 2, 47	2.6	5
60	Comparison of Physicochemical Membrane Properties of Vesicles Modified with Guanidinium Derivatives. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 9213-9222	3.4	4
59	Homochiral oligomerization of L-histidine in the presence of liposome membranes. <i>Colloid and Polymer Science</i> , 2015 , 293, 3649-3653	2.4	4
58	Evaluation of Molecular Ordering in Bicelle Bilayer Membranes Based on Induced Circular Dichroism Spectra. <i>Langmuir</i> , 2020 , 36, 3242-3250	4	4
57	Hydrophobic properties of tRNA with varied conformations evaluated by an aqueous two-phase system. <i>International Journal of Biological Sciences</i> , 2012 , 8, 1188-96	11.2	4
56	Secondary nucleation of Aβ fibrils on liposome membrane. <i>AIChE Journal</i> , 2012 , 58, 3625-3632	3.6	4
55	A new biosensing by Dielectric Dispersion Analysis of interaction between lipid membrane of liposome and target biomolecules up to 20 GHz range 2012 ,		4
54	Enzymatic hydrolysis of cellulose recovered from ionic liquid-salt aqueous two-phase system. <i>Journal of Bioscience and Bioengineering</i> , 2020 , 129, 624-631	3.3	4
53	Preferential Adsorption of l-Histidine onto DOPC/Sphingomyelin/3-[N-(N',N'-dimethylaminoethane)carbonyl]cholesterol Liposomes in the Presence of Chiral Organic Acids. <i>Langmuir</i> , 2017 , 33, 3831-3838	4	3

52	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	1.3	3
51	Electrophoretic separation method for membrane pore-forming proteins in multilayer lipid membranes. <i>Electrophoresis</i> , 2016 , 37, 762-8	3.6	3
50	Sensitivity Enhancement of Leakage Current Microsensor for Detection of Target Protein by Using Protein Denaturant. <i>IEEE Sensors Journal</i> , 2011 , 11, 2749-2755	4	3
49	CuttingEdge of Membrane Stress Biotechnology. <i>Membrane</i> , 2008 , 33, 300-306	0	3
48	A Simple Method for Continuous Synthesis of Bicelles in Microfluidic Systems. <i>Langmuir</i> , 2021 , 37, 12255-12263	4	3
47	Characterization of Amyloid Fibrils with An Aqueous Two-Phase System: Implications of Fibril Formation. <i>Solvent Extraction Research and Development</i> , 2010 , 17, 121-128	0.7	3
46	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	6	3
45	Liposome Membranes Assist the L-Proline-catalyzed Aldol Reaction of Acetone and p-Nitrobenzaldehyde in Water. <i>Chemistry Letters</i> , 2018 , 47, 931-934	1.7	3
44	Enantioselective C-C Bond Formation Enhanced by Self-Assembly of Achiral Surfactants. <i>ACS Omega</i> , 2017 , 2, 1447-1453	3.9	2
43	Effect of dehydrocholic acid conjugated with a hydrocarbon on a lipid bilayer composed of 1,2-dioleoyl-sn-glycero-3-phosphocholine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 58-65	6	2
42	Detection of L-Proline-Catalyzed Michael Addition Reaction in Model Biomembrane. <i>Journal of Chemistry</i> , 2019 , 2019, 1-8	2.3	2
41	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	1.7	2
40	Liposome membrane can induce self-cleavage of RNA that models the core fragments of hammerhead ribozyme. <i>European Biophysics Journal</i> , 2016 , 45, 55-62	1.9	2
39	Characterization of DDAB/Cholesterol Vesicles and Its Comparison with Lipid/Cholesterol Vesicles. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 1989-1994	1.3	2
38	Partitioning of Hydrophobic Molecules to Liposome Membranes Can Induce Variations in their Micro-Polarity and Micro-Viscosity. <i>Solvent Extraction Research and Development</i> , 2015 , 22, 79-85	0.7	2
37	Investigation of Fatty Acid Keto-hydrazone Modified Liposome's Properties as a Drug Carrier. <i>Journal of Drug Delivery</i> , 2015 , 2015, 481670	2.3	2
36	Preparation of superoxide dismutase LIPOzyme in hollow fiber membrane module. <i>Desalination and Water Treatment</i> , 2010 , 17, 281-287		2
35	Development of LIPOzymes Based on Biomembrane Process Chemistry 2010 , 421-441		2

34	Superoxide Dismutase-like Activity of Liposomes Modified with Dodecanoyl His and Metal Ions. <i>Membrane</i> , 2008 , 33, 180-187	0	2
33	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	2.4	2
32	Changes Caused by Liposomes to the Belousov-Zhabotinsky Reaction. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 9862-9869	3.4	2
31	Preparation of Bilayer Molecular Assembly from Fatty Acid and Detergent. <i>Kagaku Kagaku Ronbunshu</i> , 2021 , 47, 51-56	0.4	2
30	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	3.4	2
29	In Situ Cell Surface Modification for Surface-enhanced Raman Analysis of Cell Membrane. <i>Chemistry Letters</i> , 2016 , 45, 622-624	1.7	2
28	Insight into the Exosomal Membrane: From Viewpoints of Membrane Fluidity and Polarity. <i>Langmuir</i> , 2021 , 37, 11195-11202	4	2
27	Characterization of Liposome Membrane Containing Chlorophyll a Molecules and Its Photosensitized Functions. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 4888-4893	1.3	1
26	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	0.8	1
25	Nanotechnology for Food Engineering: Biomembrane and Nanocarriers. <i>Journal of Chemistry</i> , 2019 , 2019, 1-3	2.3	1
24	Development of Time-course Oxygen Binding Analysis for Hemoglobin-based Oxygen Carriers. <i>Analytical Sciences</i> , 2017 , 33, 953-956	1.7	1
23	A leakage current microsensor for detection of interaction between an electrolyte-entrapping liposome and protein 2009 ,		1
22	Engineering Science of LIPOzyme Process Chemistry. <i>Membrane</i> , 2009 , 34, 179-185	0	1
21	A Membrane-Based Approach toward Bio-Inspired Membrane <i>Membrane</i> , 2012 , 37, 264-269	0	1
20	Characterization of pH-Responsive Self-Assembly Behaviors of Fatty Acid-Functionalized Prodrug. <i>Biochemical Engineering Journal</i> , 2020 , 164, 107794	4.2	1
19	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	1.7	1
18	Modulation of the Belousov-Zhabotinsky Reaction with Lipid Bilayers: Effects of Lipid Head Groups and Membrane Properties. <i>Langmuir</i> , 2021 , 37, 6811-6818	4	1
17	Investigation of Quercetin interaction behaviors with lipid bilayers: Toward understanding its antioxidative effect within biomembrane. <i>Journal of Bioscience and Bioengineering</i> , 2021 , 132, 49-55	3.3	1

16	Effect of Stearylguanidinium-Modified POPC Vesicles on the Melting Behavior of tRNA Molecules. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 5662-9	3.4	1
15	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	1.3	1
14	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	4	0
13	Structure and Properties Characterization of Amphiphilic Dendrons Modified Lipid Membrane. <i>Chemistry Letters</i> , 2021 , 50, 187-190	1.7	0
12	Preparation and Characterization of Poly-N-isopropylacrylamide Cryogels containing Liposomes and Their Adsorption Properties of Tryptophan. <i>Solvent Extraction Research and Development</i> , 2018 , 25, 37-46	0.7	0
11	Hydrolase-Like Activity Provided by Zinc(II) and Oleoyl-Histidine at Liposome Membrane Surface. <i>Colloids and Interfaces</i> , 2018 , 2, 24	3	0
10	Preferential Adsorption of L-Tryptophan by L-Phospholipid Coated Porous Polymer Particles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 112535	6	0
9	A Novel Role of Vesicles as Templates for the Oxidation and Oligomerization of p-Aminodiphenylamine by Cytochrome c. <i>Helvetica Chimica Acta</i> , 2017 , 100, e1700027	2	
8	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	0.7	
7	Protein Recognition by Stressed Liposome. <i>Membrane</i> , 2010 , 35, 224-229	0	
6	Silver Nanoparticle-Phospholipid Self-Assembly Systems for Membrane Surface-Enhanced Raman Spectroscopy Analysis. <i>Membrane</i> , 2020 , 45, 187-192	0	
5	Potential Interaction Behavior of Lanosterol and Unsaturated Phosphocholine in Monolayer Membrane. <i>Membrane</i> , 2019 , 44, 199-233	0	
4	Chiral Recognition / Conversion on Liposome. <i>Membrane</i> , 2019 , 44, 69-75	0	
3	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	
2	Medical Applications of Biointerface. <i>Hyomen Kagaku</i> , 2009 , 30, 236-247		
1	Effects of Lipid Bilayers and Polarity of the Organic Substrate on the Belousov-Zhabotinsky Reaction. <i>Membrane</i> , 2021 , 46, 233-240	0	