Hiroshi Umakoshi

List of Publications by Year in Descending Order

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	Preferential Adsorption of L-Tryptophan by L-Phospholipid Coated Porous Polymer Particles. *Colloids and Surfaces B: Biointerfaces*, **2022**, 112535	6	0
140	A Simple Method for Continuous Synthesis of Bicelles in Microfluidic Systems. *Langmuir*, **2021**, 37, 12255-12262	4	3
139	Preparation of Bilayer Molecular Assembly from Fatty Acid and Detergent. *Kagaku Kogaku Ronbunshu*, **2021**, 47, 51-56	0.4	2
138	Systematic Characterization of Nanostructured Lipid Carriers from Cetyl Palmitate/Caprylic Triglyceride/Tween 80 Mixtures in an Aqueous Environment. *Langmuir*, **2021**, 37, 4284-4293	4	0
137	Modulation of the Belousov-Zhabotinsky Reaction with Lipid Bilayers: Effects of Lipid Head Groups and Membrane Properties. *Langmuir*, **2021**, 37, 6811-6818	4	1
136	Quantitative Determination of Relative Permittivity Based on the Fluorescence Property of Pyrene Derivatives: An Interpretation of Hydrophobicity in Self-Assembled Aggregates of Nonionic Amphiphiles. *Journal of Physical Chemistry B*, **2021**, 125, 6192-6200	3.4	2
135	Investigation of Quercetin interaction behaviors with lipid bilayers: Toward understanding its antioxidative effect within biomembrane. *Journal of Bioscience and Bioengineering*, **2021**, 132, 49-55	3.3	1
134	Structure and Properties Characterization of Amphiphilic Dendrons Modified Lipid Membrane. *Chemistry Letters*, **2021**, 50, 187-190	1.7	0
133	Effects of Lipid Bilayers and Polarity of the Organic Substrate on the Belousov□Zhabotinsky Reaction. *Membrane*, **2021**, 46, 233-240	0	
132	Insight into the Exosomal Membrane: From Viewpoints of Membrane Fluidity and Polarity. *Langmuir*, **2021**, 37, 11195-11202	4	2
131	A Simple Dilution Method for Preparation of Different Aggregates from Oleic Acid/CHAPSO Bicelles. *Journal of Nanoscience and Nanotechnology*, **2021**, 21, 5993-5999	1.3	1
130	Evaluation of Molecular Ordering in Bicelle Bilayer Membranes Based on Induced Circular Dichroism Spectra. *Langmuir*, **2020**, 36, 3242-3250	4	4
129	Silver Nanoparticle□Phospholipid Self□Assembly Systems for Membrane Surface□Enhanced Raman Spectroscopy Analysis. *Membrane*, **2020**, 45, 187-192	0	
128	Enzymatic hydrolysis of cellulose recovered from ionic liquid-salt aqueous two-phase system. *Journal of Bioscience and Bioengineering*, **2020**, 129, 624-631	3.3	4
127	Characterization of pH-Responsive Self-Assembly Behaviors of Fatty Acid-Functionalized Prodrug. *Biochemical Engineering Journal*, **2020**, 164, 107794	4.2	1
126	A novel method of vesicle preparation by simple dilution of bicelle solution. *Biochemical Engineering Journal*, **2020**, 162, 107725	4.2	6
125	Changes Caused by Liposomes to the Belousov-Zhabotinsky Reaction. *Journal of Physical Chemistry B*, **2020**, 124, 9862-9869	3.4	2

124	Site Specific Analysis of Anionic Lipid by Membrane Surface-enhanced Raman Spectroscopy with Different Sized Gold Nanoparticles. *Chemistry Letters*, **2020**, 49, 1107-1110	1.7	1
123	The Potential Anticancer Activity of 5-Fluorouracil Loaded in Cellulose Fibers Isolated from Rice Straw. *International Journal of Nanomedicine*, **2020**, 15, 5417-5432	7.3	17
122	Membrane Surface-Enhanced Raman Spectroscopy for Cholesterol-Modified Lipid Systems: Effect of Gold Nanoparticle Size. *ACS Omega*, **2019**, 4, 13687-13695	3.9	9
121	Functional Hydration Behavior: Interrelation between Hydration and Molecular Properties at Lipid Membrane Interfaces. *Journal of Chemistry*, **2019**, 2019, 1-15	2.3	12
120	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	6	2
119	Characterization of Ionic Liquid Aqueous Two-Phase Systems: Phase Separation Behaviors and the Hydrophobicity Index between the Two Phases. *Journal of Physical Chemistry B*, **2019**, 123, 5866-5874	3.4	9
118	Lipid-Surrounding Water Molecules Probed by Time-Resolved Emission Spectra of Laurdan. *Langmuir*, **2019**, 35, 6762-6770	4	14
117	Detection of L-Proline-Catalyzed Michael Addition Reaction in Model Biomembrane. *Journal of Chemistry*, **2019**, 2019, 1-8	2.3	2
116	Solvatochromic Modeling of Laurdan for Multiple Polarity Analysis of Dihydrosphingomyelin Bilayer. *Biophysical Journal*, **2019**, 116, 874-883	2.9	14
115	Smart Preparation of Polydiacetylene Hydrogel Based on Self-Assembly of Tricosadiynoic Acid and 1-Oleoylglycerol (Monoolein). *Journal of Chemical Engineering of Japan*, **2019**, 52, 311-316	0.8	1
114	Nanotechnology for Food Engineering: Biomembrane and Nanocarriers. *Journal of Chemistry*, **2019**, 2019, 1-3	2.3	1
113	Melting-Temperature-Dependent Interactions of Ergosterol with Unsaturated and Saturated Lipids in Model Membranes. *Langmuir*, **2019**, 35, 10640-10647	4	5
112	Ergosterol-Induced Ordered Phase in Ternary Lipid Mixture Systems of Unsaturated and Saturated Phospholipid Membranes. *Journal of Physical Chemistry B*, **2019**, 123, 6161-6168	3.4	5
111	?Original Contribution?Potential Interaction Behavior of Lanosterol and Unsaturated Phosphocholine in Monolayer Membrane. *Membrane*, **2019**, 44, 199-233	0	
110	Chiral Recognition / Conversion on Liposome. *Membrane*, **2019**, 44, 69-75	0	
109	Characterization of Molecular Behaviors on Phospholipid Membrane Surface based on Membrane Surface-Enhanced Raman Spectroscopy Method. *Vacuum and Surface Science*, **2019**, 62, 194-197	0	
108	Aggregation of chlorophyll a induced in self-assembled membranes composed of DMPC and DHPC. *Colloids and Surfaces B: Biointerfaces*, **2019**, 175, 403-408	6	6
107	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. *Langmuir*, **2018**, 34, 2081-2088	4	12

106	Design of Pyrene-Fatty Acid Conjugates for Real-Time Monitoring of Drug Delivery and Controllability of Drug Release. *ACS Omega*, **2018**, 3, 3572-3580	3.9	6
105	Characterization of DDAB/Cholesterol Vesicles and Its Comparison with Lipid/Cholesterol Vesicles. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 1989-1994	1.3	2
104	Direct Observation of Amyloid Behavior at Phospholipid Membrane Constructed on Gold Nanoparticles. *International Journal of Analytical Chemistry*, **2018**, 2018, 2571808	1.4	6
103	Systematic Characterization of DMPC/DHPC Self-Assemblies and Their Phase Behaviors in Aqueous Solution. *Colloids and Interfaces*, **2018**, 2, 73	3	11
102	Preparation and Characterization of Poly-N-isopropylacrylamide Cryogels containing Liposomes and Their Adsorption Properties of Tryptophan. *Solvent Extraction Research and Development*, **2018**, 25, 37-46	0.7	0
101	Effective Concentration of Ionic Liquids for Enhanced Saccharification of Cellulose. *ChemEngineering*, **2018**, 2, 47	2.6	5
100	Hydrolase-Like Activity Provided by Zinc(II) and Oleoyl-Histidine at Liposome Membrane Surface. *Colloids and Interfaces*, **2018**, 2, 24	3	0
99	Liposome Membranes Assist the l-Proline-catalyzed Aldol Reaction of Acetone and p-Nitrobenzaldehyde in Water. *Chemistry Letters*, **2018**, 47, 931-934	1.7	3
98	Tailor-made drug carrier: Comparison of formation-dependent physicochemical properties within self-assembled aggregates for an optimal drug carrier. *Colloids and Surfaces B: Biointerfaces*, **2017**, 152, 269-276	6	11
97	Liposomes Can Achieve Enantioselective C-C Bond Formation of an α-Amino Acid Derivative in Aqueous Media. *ACS Omega*, **2017**, 2, 91-97	3.9	10
96	Fluorescent Probe Study of AOT Vesicle Membranes and Their Alteration upon Addition of Aniline or the Aniline Dimer p-Aminodiphenylamine (PADPA). *Langmuir*, **2017**, 33, 1984-1994	4	12
95	Enantioselective C-C Bond Formation Enhanced by Self-Assembly of Achiral Surfactants. *ACS Omega*, **2017**, 2, 1447-1453	3.9	2
94	Characterization of Liposome Membrane Containing Chlorophyll a Molecules and Its Photosensitized Functions. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 4888-4893	1.3	1
93	A Novel Role of Vesicles as Templates for the Oxidation and Oligomerization of p-Aminodiphenylamine by Cytochrome c. *Helvetica Chimica Acta*, **2017**, 100, e1700027	2	
92	Multi-Level Characterization of the Membrane Properties of Resveratrol-Incorporated Liposomes. *Journal of Physical Chemistry B*, **2017**, 121, 4091-4098	3.4	20
91	Induction of Chiral Recognition with Lipid Nanodomains Produced by Polymerization. *Biomacromolecules*, **2017**, 18, 1180-1188	6.9	12
90	Preferential Adsorption of l-Histidine onto DOPC/Sphingomyelin/3β[N-(N′,N′-dimethylaminoethane)carbamoyl]cholesterol Liposomes in the Presence of Chiral Organic Acids. *Langmuir*, **2017**, 33, 3831-3838	4	3
89	Comparison of Physicochemical Membrane Properties of Vesicles Modified with Guanidinium Derivatives. *Journal of Physical Chemistry B*, **2017**, 121, 9213-9222	3.4	4

88	Adsorption Behavior of Propranolol on Negatively-Charged Liposomes and Its Influence on Membrane Fluidity and Polarity. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 1721-1728	1.3	3
87	Development of Time-course Oxygen Binding Analysis for Hemoglobin-based Oxygen Carriers. *Analytical Sciences*, **2017**, 33, 953-956	1.7	1
86	Development of Easy, Harmless, and Energy-saving Water Cleanup Method Based on Self-flotation of Hollow Glass Beads Coated with Fatty Acids. *Chemistry Letters*, **2016**, 45, 544-546	1.7	2
85	Characterization of Aqueous Oleic Acid/Oleate Dispersions by Fluorescent Probes and Raman Spectroscopy. *Langmuir*, **2016**, 32, 7606-12	4	31
84	Effect of Boundary Edge in DOPC/DPPC/Cholesterol Liposomes on Acceleration of l-Histidine Preferential Adsorption. *Langmuir*, **2016**, 32, 6011-9	4	5
83	Electrophoretic separation method for membrane pore-forming proteins in multilayer lipid membranes. *Electrophoresis*, **2016**, 37, 762-8	3.6	3
82	Liposomes modified with cardiolipin can act as a platform to regulate the potential flux of NADP-dependent isocitrate dehydrogenase. *Metabolic Engineering Communications*, **2016**, 3, 8-14	6.5	10
81	Chiral Selective Adsorption of Ibuprofen on a Liposome Membrane. *Journal of Physical Chemistry B*, **2016**, 120, 2790-5	3.4	27
80	Liposome membrane can induce self-cleavage of RNA that models the core fragments of hammerhead ribozyme. *European Biophysics Journal*, **2016**, 45, 55-62	1.9	2
79	Effect of Stearylguanidinium-Modified POPC Vesicles on the Melting Behavior of tRNA Molecules. *Journal of Physical Chemistry B*, **2016**, 120, 5662-9	3.4	1
78	Characterization of sorbitan surfactant-based vesicles at the molecular scale using NMR: Effect of acyl chain length vs. phospholipid composition. *Colloids and Surfaces B: Biointerfaces*, **2016**, 144, 33-37	6	3
77	Quantitative Monitoring of Microphase Separation Behaviors in Cationic Liposomes Using HHC, DPH, and Laurdan: Estimation of the Local Electrostatic Potentials in Microdomains. *Langmuir*, **2016** , 32, 3630-6	4	13
76	Roles of Sterol Derivatives in Regulating the Properties of Phospholipid Bilayer Systems. *Langmuir*, **2016**, 32, 6176-84	4	36
75	In Situ Cell Surface Modification for Surface-enhanced Raman Analysis of Cell Membrane. *Chemistry Letters*, **2016**, 45, 622-624	1.7	2
74	Pseudo-Interphase of Liposome Promotes 1,3-Dipolar Cycloaddition Reaction of Benzonitrile Oxide and N-Ethylmaleimide in Aqueous Solution. *Journal of Physical Chemistry B*, **2015**, 119, 9772-9	3.4	16
73	Membrane surface-enhanced Raman spectroscopy for sensitive detection of molecular behavior of lipid assemblies. *Analytical Chemistry*, **2015**, 87, 4772-80	7.8	32
72	Formation of lens-like vesicles induced via microphase separations on a sorbitan monoester membrane with different headgroups. *Colloids and Surfaces B: Biointerfaces*, **2015**, 135, 235-242	6	8
71	Chiral Recognition of L-Amino Acids on Liposomes Prepared with L-Phospholipid. *ACS Applied Materials & Interfaces*, **2015**, 7, 21065-72	9.5	53

70	High performance optical resolution with liposome immobilized hydrogel. *Colloids and Surfaces B: Biointerfaces*, **2015**, 136, 256-61	6	7
69	Homochiral oligomerization of L-histidine in the presence of liposome membranes. *Colloid and Polymer Science*, **2015**, 293, 3649-3653	2.4	4
68	Characterization of the physicochemical properties of phospholipid vesicles prepared in CO2/water systems at high pressure. *Biointerphases*, **2015**, 10, 031005	1.8	5
67	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	0.7	2
66	Investigation of Fatty Acid Ketohydrazone Modified Liposome's Properties as a Drug Carrier. *Journal of Drug Delivery*, **2015**, 2015, 481670	2.3	2
65	Liposome Membrane as a Platform for the L-Pro-Catalyzed Michael Addition of trans-β-Nitrostyrene and Acetone. *Langmuir*, **2015**, 31, 12968-74	4	8
64	Relationship between the mobility of phosphocholine headgroup and the protein-liposome interaction: a dielectric spectroscopic study. *Colloids and Surfaces B: Biointerfaces*, **2014**, 116, 343-50	6	10
63	Development of metal affinity-immobilized liposome chromatography and its basic characteristics. *Biochemical Engineering Journal*, **2014**, 84, 66-73	4.2	7
62	Systematical characterization of phase behaviors and membrane properties of fatty acid/didecyldimethylammonium bromide vesicles. *Langmuir*, **2014**, 30, 12721-8	4	32
61	Emergent properties arising from the assembly of amphiphiles. Artificial vesicle membranes as reaction promoters and regulators. *Chemical Communications*, **2014**, 50, 10177-97	5.8	106
60	Comparison of the Interfacial Properties of Span 80 Vesicle, W/O Emulsions and Liposomes. *Solvent Extraction Research and Development*, **2014**, 21, 191-199	0.7	
59	Membrane interaction between Span 80 vesicle and phospholipid vesicle (liposome): Span 80 vesicle can perturb and hemifuse with liposomal membrane. *Colloids and Surfaces B: Biointerfaces*, **2013**, 106, 258-64	6	15
58	Growth behavior of Aβ protofibrils on liposome membranes and their membrane perturbation effect. *Biochemical Engineering Journal*, **2013**, 71, 81-88	4.2	7
57	Use Liposome as a Designable Platform for Molecular Recognition ~ from "Statistical Separation" to "Recognitive Separation" ~. *Solvent Extraction Research and Development*, **2013**, 20, 1-13	0.7	13
56	Heterogeneous cationic liposomes modified with 3β{N-[(N',N'-dimethylamino)ethyl]carbamoyl}cholesterol can induce partial conformational changes in messenger RNA and regulate translation in an Escherichia coli cell-free translation system. *Langmuir*, **2013**, 29, 1899-907	4	21
55	Detection of nanosized ordered domains in DOPC/DPPC and DOPC/Ch binary lipid mixture systems of large unilamellar vesicles using a TEMPO quenching method. *Langmuir*, **2013**, 29, 4830-8	4	87
54	Enhanced cytotoxicity for colon 26 cells using doxorubicin-loaded sorbitan monooleate (Span 80) vesicles. *International Journal of Biological Sciences*, **2013**, 9, 142-8	11.2	10
53	Comparison of Partitioning Behaviors of L-/D-Trpin Solvent-Water System and Liposome Membrane System. *Solvent Extraction Research and Development*, **2013**, 20, 213-217	0.7	7

52	Formation of spherulitic amyloid aggregate by anionic liposomes. *Biochemical and Biophysical Research Communications*, **2012**, 426, 165-71	3.4	5
51	Modulation of yeast hexokinase on bio-inspired membranes. *Biochemical Engineering Journal*, **2012**, 69, 138-143	4.2	8
50	Hydrophobic properties of tRNA with varied conformations evaluated by an aqueous two-phase system. *International Journal of Biological Sciences*, **2012**, 8, 1188-96	11.2	4
49	Secondary nucleation of A fibrils on liposome membrane. *AICHE Journal*, **2012**, 58, 3625-3632	3.6	4
48	A new biosensing by Dielectric Dispersion Analysis of interaction between lipid membrane of liposome and target biomolecules up to 20 GHz range **2012**,		4
47	Active Targeting to Osteosarcoma Cells and Apoptotic Cell Death Induction by the Novel Lectin Eucheuma serra Agglutinin Isolated from a Marine Red Alga. *Journal of Drug Delivery*, **2012**, 2012, 842785	2.3	18
46	A Membranome Based Approach toward Bio-Inspired Membrane *Membrane*, **2012**, 37, 264-269	0	1
45	Conformational change of single-stranded RNAs induced by liposome binding. *Nucleic Acids Research*, **2011**, 39, 8891-900	20.1	26
44	Oxidative stress can affect the gene silencing effect of DOTAP liposome in an in vitro translation system. *International Journal of Biological Sciences*, **2011**, 7, 253-60	11.2	6
43	Relationship between the mobility of phosphocholine headgroups of liposomes and the hydrophobicity at the membrane interface: a characterization with spectrophotometric measurements. *Colloids and Surfaces B: Biointerfaces*, **2011**, 88, 221-30	6	38
42	Span 80 vesicles have a more fluid, flexible and "wet" surface than phospholipid liposomes. *Colloids and Surfaces B: Biointerfaces*, **2011**, 87, 28-35	6	52
41	Sensitivity Enhancement of Leakage Current Microsensor for Detection of Target Protein by Using Protein Denaturant. *IEEE Sensors Journal*, **2011**, 11, 2749-2755	4	3
40	Preparation of superoxide dismutase LIPOzyme in hollow fiber membrane module. *Desalination and Water Treatment*, **2010**, 17, 281-287		2
39	Monitoring of membrane damages by dialysis treatment: Study with membrane chip analysis. *Desalination and Water Treatment*, **2010**, 17, 45-51		6
38	Development of LIPOzymes Based on Biomembrane Process Chemistry **2010**, 421-441		2
37	Protein Recognition by Stressed Liposome. *Membrane*, **2010**, 35, 224-229	0	
36	Liposomes destabilize tRNA during heat stress. *Biotechnology Journal*, **2010**, 5, 526-9	5.6	13
35	Abeta/Cu-catalyzed oxidation of cholesterol in 1,2-dipalmitoyl phosphatidylcholine liposome membrane. *Journal of Bioscience and Bioengineering*, **2010**, 109, 145-8	3.3	12

34	Cationic liposome can interfere mRNA translation in an E. coli cell-free translation system. *Biochemical Engineering Journal*, **2010**, 52, 38-43	4.2	13
33	Chitosanase displayed on liposome can increase its activity and stability. *Journal of Biotechnology*, **2010**, 146, 105-13	3.7	8
32	Development of liposome-based mimics of superoxide dismutase and peroxidase based on the "LIPOzyme" concept. *Journal of Biotechnology*, **2010**, 147, 59-63	3.7	14
31	Characterization of Amyloid Fibrils with An Aqueous Two-Phase System: Implications of Fibril Formation. *Solvent Extraction Research and Development*, **2010**, 17, 121-128	0.7	3
30	A leakage current microsensor for detection of interaction between an electrolyte-entrapping liposome and protein **2009**,		1
29	Charged liposome affects the translation and folding steps of in vitro expression of green fluorescent protein. *Journal of Bioscience and Bioengineering*, **2009**, 108, 450-4	3.3	23
28	Negatively charged liposome as a potent inhibitor of post-translation during in vitro synthesis of green fluorescent protein. *Biochemical Engineering Journal*, **2009**, 46, 154-160	4.2	11
27	Polymethylthiophene/Nafion-modified glassy carbon electrode for selective detection of dopamine in the presence of ascorbic acid. *Journal of Applied Electrochemistry*, **2009**, 39, 2035-2042	2.6	15
26	Immobilization of intact liposomes on solid surfaces: a quartz crystal microbalance study. *Journal of Colloid and Interface Science*, **2009**, 336, 902-7	9.3	19
25	Calcein permeation across phosphatidylcholine bilayer membrane: effects of membrane fluidity, liposome size, and immobilization. *Colloids and Surfaces B: Biointerfaces*, **2009**, 73, 156-60	6	99
24	Role of liposome on recognition and folding of oxidized and fragmented superoxide dismutase for its re-activation. *Biochemical Engineering Journal*, **2009**, 46, 313-319	4.2	10
23	Cationic Liposome Inhibits Gene Expression in an E.coliCell Free Translation System. *Membrane*, **2009**, 34, 146-151	0	5
22	Engineering Science of LIPOzyme Process Chemistry. *Membrane*, **2009**, 34, 179-185	0	1
21	Preparation of Hollow Fiber Immobilized Liposome Membrane. *Membrane*, **2009**, 34, 272-280	0	5
20	Membranomics Research on Interactions between Liposome Membranes with Membrane Chip Analysis. *Membrane*, **2009**, 34, 342-350	0	7
19	Medical Applications of Biointerface. *Hyomen Kagaku*, **2009**, 30, 236-247		
18	Liposome membrane itself can affect gene expression in the Escherichia coli cell-free translation system. *Langmuir*, **2008**, 24, 10537-42	4	49
17	Enhanced release of chitosanase from Streptomyces griseus through direct interaction of liposome with cell membrane under heat stress. *Journal of Bioscience and Bioengineering*, **2008**, 106, 602-5	3.3	7

16	Liposome modified with Mn-porphyrin complex can simultaneously induce antioxidative enzyme-like activity of both superoxide dismutase and peroxidase. *Langmuir*, **2008**, 24, 4451-5	4	33
15	Liposome-recruited activity of oxidized and fragmented superoxide dismutase. *Langmuir*, **2008**, 24, 350-4	4	31
14	Characterization of Oxidized and Fragmented Superoxide Dismutase Recruited on Liposome Surface. *Membrane*, **2008**, 33, 173-179	0	6
13	Superoxide Dismutase-like Activity of Liposomes Modified with Dodecanoyl His andMetal Ions. *Membrane*, **2008**, 33, 180-187	0	2
12	CuttingEdge of Membrane Stress Biotechnology. *Membrane*, **2008**, 33, 300-306	0	3
11	Immobilized-Liposome Sensor System for Detection of Proteins under Stress Conditions. *Membrane* , **2007**, 32, 294-301	0	18
10	Evaluation of temperature and guanidine hydrochloride-induced proteinLiposome interactions by using immobilized liposome chromatography. *Biochemical Engineering Journal*, **2006**, 29, 174-181	4.2	30
9	Fluorescence study on the domain formation of N-dodecanoyl-l-tryptophan within a liposome membrane. *Colloid and Polymer Science*, **2006**, 285, 239-243	2.4	2
8	Detection of a heat stress-mediated interaction between protein and phospholipid membrane using dielectric measurement. *Journal of Bioscience and Bioengineering*, **2003**, 95, 252-6	3.3	17
7	Characterization and control of stimuli-induced membrane fusion of liposomes in the presence of proteins and stimuli responsive polymers. *Biochemical Engineering Journal*, **2002**, 12, 7-19	4.2	14
6	Conformationally changed cytochrome c-mediated fusion of enzyme- and substrate-containing liposomes. *Biotechnology Progress*, **1999**, 15, 689-96	2.8	24
5	Heat-induced translocation of cytoplasmic beta-galactosidase across inner membrane of Escherichia coli. *Biotechnology Progress*, **1998**, 14, 210-7	2.8	17
4	Model system for heat-induced translocation of cytoplasmic beta-galactosidase across phospholipid bilayer membrane. *Biotechnology Progress*, **1998**, 14, 218-26	2.8	33
3	Utilization of cell response under heat, chemical, and combined stresses for selective recovery of cytoplasmic beta-galactosidase from Escherichia coli cells. *Biotechnology Progress*, **1998**, 14, 909-12	2.8	9
2	Extractive cultivation of recombinant Escherichia coli using aqueous two-phase systems for production and separation of intracellular heat shock proteins. *Biotechnology Progress*, **1996**, 12, 51-6	2.8	29
1	Extractive cultivation of Escherichia coli using poly(ethylene glycol)/phosphate aqueous two-phase systems to produce intracellular beta-galactosidase. *Biotechnology Progress*, **1995**, 11, 202-7	2.8	31