

Tatsuo Maruyama

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145
papers

5,454
citations

43
h-index

69
g-index

147
ext. papers

5,866
ext. citations

5.3
avg, IF

5.5
L-index

#	Paper	IF	Citations
145	CO ₂ separation facilitated by task-specific ionic liquids using a supported liquid membrane. <i>Journal of Membrane Science</i> , 2008 , 314, 1-4	9.6	265
144	Cancer cell death induced by the intracellular self-assembly of an enzyme-responsive supramolecular gelator. <i>Journal of the American Chemical Society</i> , 2015 , 137, 770-5	16.4	257
143	Feasibility of Ionic Liquids as Alternative Separation Media for Industrial Solvent Extraction Processes. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 4368-4372	3.9	237
142	Ionic liquids as a novel solvent for lanthanide extraction. <i>Analytical Sciences</i> , 2003 , 19, 1097-8	1.7	219
141	Development of a hydrophilic polymer membrane containing silver nanoparticles with both organic antifouling and antibacterial properties. <i>Journal of Membrane Science</i> , 2012 , 387-388, 1-6	9.6	212
140	FT-IR analysis of BSA fouled on ultrafiltration and microfiltration membranes. <i>Journal of Membrane Science</i> , 2001 , 192, 201-207	9.6	190
139	Preparation of PVDF hollow fiber membrane from a ternary polymer/solvent/nonsolvent system via thermally induced phase separation (TIPS) method. <i>Separation and Purification Technology</i> , 2008 , 63, 415-423	8.3	142
138	Liquid membrane operations in a microfluidic device for selective separation of metal ions. <i>Analytical Chemistry</i> , 2004 , 76, 4495-500	7.8	117
137	Preparation of PVDF/PMMA blend hollow fiber membrane via thermally induced phase separation (TIPS) method. <i>Separation and Purification Technology</i> , 2009 , 66, 76-83	8.3	111
136	Effect of kinds of membrane materials on membrane fouling with BSA. <i>Journal of Membrane Science</i> , 2011 , 384, 157-165	9.6	107
135	Improvement of the antifouling potential of an anion exchange membrane by surface modification with a polyelectrolyte for an electrodialysis process. <i>Journal of Membrane Science</i> , 2012 , 417-418, 137-143	9.6	103
134	Fouling reduction of reverse osmosis membrane by surface modification via layer-by-layer assembly. <i>Separation and Purification Technology</i> , 2012 , 99, 1-7	8.3	103
133	Synthesis of gold nanoparticles using various amino acids. <i>Journal of Colloid and Interface Science</i> , 2015 , 447, 254-7	9.3	102
132	Development of antibacterial polyamide reverse osmosis membrane modified with a covalently immobilized enzyme. <i>Journal of Membrane Science</i> , 2013 , 428, 403-409	9.6	100
131	The improvement of antibiofouling efficiency of polyethersulfone membrane by functionalization with zwitterionic monomers. <i>Journal of Membrane Science</i> , 2012 , 401-402, 292-299	9.6	96
130	Effect of surface morphology on membrane fouling by humic acid with the use of cellulose acetate butyrate hollow fiber membranes. <i>Journal of Membrane Science</i> , 2008 , 320, 483-491	9.6	85
129	Enzymatic degradation of p-chlorophenol in a two-phase flow microchannel system. <i>Lab on A Chip</i> , 2003 , 3, 308-12	7.2	81

128	Mechanism of bovine serum albumin aggregation during ultrafiltration. <i>Biotechnology and Bioengineering</i> , 2001 , 75, 233-8	4.9	81
127	Preparation of poly(lactic acid) hollow fiber membranes via phase separation methods. <i>Journal of Membrane Science</i> , 2009 , 342, 307-312	9.6	75
126	Metal ion-selective membrane prepared by surface molecular imprinting. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 818, 141-5	3.2	75
125	Versatile supramolecular gelators that can harden water, organic solvents and ionic liquids. <i>Langmuir</i> , 2012 , 28, 9259-66	4	73
124	Proteinase-mediated drastic morphological change of peptide-amphiphile to induce supramolecular hydrogelation. <i>Chemical Communications</i> , 2010 , 46, 979-81	5.8	71
123	Proteins and protein-rich biomass as environmentally friendly adsorbents selective for precious metal ions. <i>Environmental Science & Technology</i> , 2007 , 41, 1359-64	10.3	71
122	Effect of additives on the morphology and properties of poly(vinylidene fluoride) blend hollow fiber membrane prepared by the thermally induced phase separation method. <i>Journal of Membrane Science</i> , 2012 , 423-424, 189-194	9.6	68
121	Enzyme-facilitated enantioselective transport of (S)-ibuprofen through a supported liquid membrane based on ionic liquids. <i>Chemical Communications</i> , 2003 , 2926-7	5.8	68
120	Poly(ethylene glycol)-lipase complexes that are highly active and enantioselective in ionic liquids. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 1239-44	3.9	66
119	Poly(ethylene glycol)-lipase complex that is catalytically active for alcoholysis reactions in ionic liquids. <i>Biotechnology Letters</i> , 2002 , 24, 1341-1345	3	66
118	Comb-shaped poly(ethylene glycol)-modified subtilisin Carlsberg is soluble and highly active in ionic liquids. <i>Chemical Communications</i> , 2005 , 4297-9	5.8	65
117	Effects of three natural organic matter types on cellulose acetate butyrate microfiltration membrane fouling. <i>Journal of Membrane Science</i> , 2011 , 379, 233-238	9.6	62
116	Visualization and characterization of SPG membrane emulsification. <i>Journal of Membrane Science</i> , 2002 , 210, 29-37	9.6	60
115	Effect of metal ions on humic acid fouling of hollow fiber ultrafiltration membrane. <i>Journal of Membrane Science</i> , 2011 , 376, 247-253	9.6	58
114	Use of ionic liquids in a lipase-facilitated supported liquid membrane. <i>Biotechnology Letters</i> , 2003 , 25, 805-8	3	57
113	Effect of surface roughness of hollow fiber membranes with gear-shaped structure on membrane fouling by sodium alginate. <i>Journal of Membrane Science</i> , 2011 , 366, 389-397	9.6	55
112	An enzymatic method for site-specific labeling of recombinant proteins with oligonucleotides. <i>Chemical Communications</i> , 2007 , 401-3	5.8	55
111	Intermittent partition walls promote solvent extraction of metal ions in a microfluidic device. <i>Analyst, The</i> , 2004 , 129, 1008	5	54

110	Preparation of monodispersed polyelectrolyte microcapsules with high encapsulation efficiency by an electrospray technique. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 370, 28-34	5.1	50
109	Enzyme encapsulation in microparticles composed of polymerized ionic liquids for highly active and reusable biocatalysts. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 2353-8	3.9	49
108	Homogeneous enzymatic reactions in ionic liquids with poly(ethylene glycol)-modified subtilisin. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 3462-7	3.9	49
107	Biodegradation of phenolic environmental pollutants by a surfactant-laccase complex in organic media. <i>Journal of Bioscience and Bioengineering</i> , 2005 , 99, 642-7	3.3	49
106	Oil-water interfacial activation of lipase for interesterification of triglyceride and fatty acid. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2000 , 77, 1121	1.8	49
105	Supramolecular gelators based on benzenetricarboxamides for ionic liquids. <i>Soft Matter</i> , 2014 , 10, 965-73	3.6	47
104	Design of a specific peptide tag that affords covalent and site-specific enzyme immobilization catalyzed by microbial transglutaminase. <i>Biomacromolecules</i> , 2005 , 6, 2299-304	6.9	46
103	Stabilization of layer-by-layer assembled nanofiltration membranes by crosslinking via amide bond formation and siloxane bond formation. <i>Journal of Membrane Science</i> , 2013 , 447, 128-133	9.6	44
102	Membrane fouling properties of hollow fiber membranes prepared from cellulose acetate derivatives. <i>Journal of Membrane Science</i> , 2011 , 376, 102-109	9.6	43
101	Highly enantioselective separation using a supported liquid membrane encapsulating surfactant-enzyme complex. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8622-3	16.4	42
100	Improvement of Antifouling Properties of Polyvinylidene Fluoride Hollow Fiber Membranes by Simple Dip Coating of Phosphorylcholine Copolymer via Hydrophobic Interactions. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 2491-2497	3.9	40
99	Effect of membrane structure on gas absorption performance and long-term stability of membrane contactors. <i>Separation and Purification Technology</i> , 2013 , 108, 65-73	8.3	38
98	Activation of lipase in ionic liquids by modification with comb-shaped poly(ethylene glycol). <i>Science and Technology of Advanced Materials</i> , 2006 , 7, 692-698	7.1	36
97	Improvement of the antifouling properties of poly (lactic acid) hollow fiber membranes with poly (lactic acid)polyethylene glycolpoly (lactic acid) copolymers. <i>Desalination</i> , 2013 , 325, 37-39	10.3	34
96	Experimental and theoretical study on propylene absorption by using PVDF hollow fiber membrane contactors with various membrane structures. <i>Journal of Membrane Science</i> , 2010 , 346, 86-97	9.6	34
95	Selective adsorption and recovery of precious metal ions using protein-rich biomass as efficient adsorbents. <i>Process Biochemistry</i> , 2014 , 49, 850-857	4.8	33
94	A DNA-gold nanoparticle hybrid hydrogel network prepared by enzymatic reaction. <i>Chemical Communications</i> , 2017 , 53, 5802-5805	5.8	31
93	Reduction of fouling on poly(lactic acid) hollow fiber membranes by blending with poly(lactic acid)polyethylene glycolpoly(lactic acid) triblock copolymers. <i>Journal of Membrane Science</i> , 2012 , 415-416, 712-717	9.6	31

92	Effect of membrane surface morphology on membrane fouling with sodium alginate. <i>Journal of Membrane Science</i> , 2011 , 366, 258-265	9.6	31
91	Laccase-mediated oxidative degradation of the herbicide dymron. <i>Biotechnology Progress</i> , 2006 , 22, 426-238		30
90	Cross-linked DNA capsules templated on porous calcium carbonate microparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 356, 126-133	5.1	28
89	Sequence-selective extraction of single-stranded DNA using DNA-functionalized reverse micelles. <i>Chemical Communications</i> , 2007 , 4450-2	5.8	27
88	Fouling reduction of a poly(ether sulfone) hollow-fiber membrane with a hydrophilic surfactant prepared via non-solvent-induced phase separation. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 1653-1658	2.9	26
87	Poly(ethylene glycol)-lipase complexes catalytically active in fluoruous solvents. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 524-7	3.9	25
86	Conjugation of DNA with protein using His-tag chemistry and its application to the aptamer-based detection system. <i>Biotechnology Letters</i> , 2008 , 30, 2001-6	3	24
85	Preparation of inorganic/organic polymer hybrid microcapsules with high encapsulation efficiency by an electrospray technique. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 11973-9	9.5	22
84	Direct refolding of inclusion bodies using reversed micelles. <i>Biotechnology Progress</i> , 2004 , 20, 1783-7	2.8	22
83	Solidification characteristics of polymer solution during polyvinylidene fluoride membrane preparation by nonsolvent-induced phase separation. <i>Journal of Membrane Science</i> , 2013 , 438, 77-82	9.6	21
82	Directed aggregation and fusion of lipid vesicles induced by DNA-surfactants. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008 , 66, 119-24	6	21
81	Electron-transfer reactions and functionalization of cytochrome P450cam monooxygenase system in reverse micelles. <i>Langmuir</i> , 2004 , 20, 5564-8	4	20
80	DNA hybridization in nanostructural molecular assemblies enables detection of gene mutations without a fluorescent probe. <i>Biomacromolecules</i> , 2004 , 5, 49-53	6.9	20
79	Transport of organic acids through a supported liquid membrane driven by lipase-catalyzed reactions. <i>Journal of Bioscience and Bioengineering</i> , 2003 , 96, 370-4	3.3	20
78	DNA hybridization in reverse micelles and its application to mutation detection. <i>Analyst, The</i> , 2003 , 128, 161-5	5	20
77	Mutation detection in DNA oligonucleotides based on a Guanine quenching method coupled with enzymatic digestion of single-stranded DNA. <i>Biotechnology Letters</i> , 2005 , 27, 1349-54	3	20
76	Factors affecting the oxidative activity of laccase towards biphenyl derivatives in homogeneous aqueous-organic systems. <i>Journal of Bioscience and Bioengineering</i> , 2004 , 98, 14-9	3.3	18
75	Can lipases hydrolyze a peptide bond?. <i>Enzyme and Microbial Technology</i> , 2003 , 32, 655-657	3.8	18

74	Surfactant-induced polymer segregation to produce antifouling surfaces via dip-coating with an amphiphilic polymer. <i>Langmuir</i> , 2015 , 31, 125-31	4	17
73	Short Oligopeptides for Biocompatible and Biodegradable Supramolecular Hydrogels. <i>Langmuir</i> , 2018 , 34, 8065-8074	4	17
72	Reorganization of the surface geometry of hollow-fiber membranes using dip-coating and vapor-induced phase separation. <i>Journal of Membrane Science</i> , 2014 , 460, 229-240	9.6	17
71	Visualization of Protein Fouling inside a Hollow Fiber Ultrafiltration Membrane by Fluorescent Microscopy. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 14850-14858	3.9	17
70	Display of amino groups on substrate surfaces by simple dip-coating of methacrylate-based polymers and its application to DNA immobilization. <i>Langmuir</i> , 2013 , 29, 932-8	4	17
69	In Situ Synthesis of a Supramolecular Hydrogelator at an Oil/Water Interface for Stabilization and Stimuli-Induced Fusion of Microdroplets. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9410-9414	16.4	16
68	Programmable protein-protein conjugation via DNA-based self-assembly. <i>Chemical Communications</i> , 2012 , 48, 6226-8	5.8	16
67	Laccase-mediated degradation and reduction of toxicity of the postharvest fungicide imazalil. <i>Process Biochemistry</i> , 2007 , 42, 459-461	4.8	16
66	Functionalization of the cytochrome P450cam monooxygenase system in the cell-like aqueous compartments of water-in-oil emulsions. <i>Journal of Bioscience and Bioengineering</i> , 2005 , 99, 12-7	3.3	16
65	Detection of single-base mutations by fluorogenic ribonuclease protection assay. <i>Analytical Chemistry</i> , 2005 , 77, 7047-53	7.8	16
64	Perfluorocarbon-based liquid-liquid extraction for separation of transition metal ions. <i>Analytical Sciences</i> , 2007 , 23, 763-5	1.7	15
63	A supported liquid membrane encapsulating a surfactant-lipase complex for the selective separation of organic acids. <i>Chemistry - A European Journal</i> , 2005 , 11, 1163-70	4.8	14
62	One-step preparation of giant lipid vesicles with high encapsulation efficiency using an electrospray technique. <i>RSC Advances</i> , 2012 , 2, 11672	3.7	13
61	Inhibitory effects of gold(III) ions on ribonuclease and deoxyribonuclease. <i>Journal of Inorganic Biochemistry</i> , 2007 , 101, 180-6	4.2	13
60	One-Step Biotinylation of Cellulose Paper by Polymer Coating to Prepare a Paper-Based Analytical Device. <i>Analytical Chemistry</i> , 2020 , 92, 1978-1987	7.8	13
59	Intracellular self-assembly of supramolecular gelators to selectively kill cells of interest. <i>Polymer Journal</i> , 2020 , 52, 883-889	2.7	12
58	Preparation and characterization of several types of polyvinyl butyral hollow fiber membranes by thermally induced phase separation. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 4072-4078	2.9	12
57	pH-responsive behavior of hydrogel microspheres altered by layer-by-layer assembly of polyelectrolytes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 337, 159-163	5.1	12

56	Immobilization of Proteins into Microcapsules and Their Adsorption Properties with Respect to Precious-Metal Ions. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 1527-1532	3.9	12
55	Masking oligonucleotides improve sensitivity of mutation detection based on guanine quenching. <i>Analytical Biochemistry</i> , 2006 , 354, 8-14	3.1	12
54	Small-angle X-ray scattering analysis of stearic acid modified lipase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2001 , 65, 1003-6	2.1	12
53	Preparation of affinity membranes using thermally induced phase separation for one-step purification of recombinant proteins. <i>Analytical Biochemistry</i> , 2013 , 434, 269-74	3.1	11
52	Microplate assay for aptamer-based thrombin detection using a DNA-enzyme conjugate based on histidine-tag chemistry. <i>Analytical Biochemistry</i> , 2012 , 421, 541-6	3.1	11
51	Time dependence of transport number ratio during electrodialysis process. <i>Desalination and Water Treatment</i> , 2011 , 34, 25-31		11
50	Influence of chemical compositions on the properties of random and multiblock sulfonated poly(arylene ether sulfone)-based proton-exchange membranes. <i>Journal of Applied Polymer Science</i> , 2010 , 116, 267-279	2.9	11
49	Effect of hypochlorite treatment on performance of hollow fiber membrane prepared from polyethersulfone/N-methyl-2-pyrrolidone/tetronic 1307 solution. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 687-694	2.9	11
48	Control of water content by reverse micellar solutions for peroxidase catalysis in a water-immiscible organic solvent. <i>Journal of Bioscience and Bioengineering</i> , 2003 , 95, 425-7	3.3	11
47	Direct Visualization of Fouling Inside a Hollow-Fiber Ultrafiltration Membrane Caused by Sodium Alginate. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 16375-16383	3.9	10
46	DNA-enzyme conjugate with a weak inhibitor that can specifically detect thrombin in a homogeneous medium. <i>Analytical Biochemistry</i> , 2011 , 414, 103-8	3.1	10
45	Surface Functionalization by Grafting (2-Dimethylamino)ethyl Methacrylate Methyl Chloride Quaternary Salt (DMAEMAq) onto Hollow Fiber Polyethersulfone (PES) Membranes for Improvement of Antibiofouling Properties. <i>Solvent Extraction Research and Development</i> , 2012 , 19, 101-115	0.7	9
44	Characterization of random and multiblock copolymers of highly sulfonated poly(arylene ether sulfone) for a proton-exchange membrane. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 1793-1802	2.9	9
43	Activation of manganese peroxidase in an organic medium using a mediator. <i>Biochemical Engineering Journal</i> , 2004 , 19, 43-46	4.2	9
42	Hollow phosphorylcholine polymer vesicles prepared by a coaxial electrospray technique. <i>Colloid and Polymer Science</i> , 2017 , 295, 1251-1256	2.4	8
41	Palmitoylated amino acids as low-molecular-weight gelators for ionic liquids. <i>Colloid and Polymer Science</i> , 2017 , 295, 1109-1116	2.4	8
40	Effect of metal ions on the protein fouling of hollow-fiber ultrafiltration membranes. <i>Separation and Purification Technology</i> , 2013 , 111, 137-144	8.3	8
39	Alpha casein micelles show not only molecular chaperone-like aggregation inhibition properties but also protein refolding activity from the denatured state. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 404, 494-7	3.4	8

38	Preparation of DNA capsules cross-linked through NeutrAvidinBiotin interaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 384, 529-535	5.1	8
37	Detection of point mutations in the HBV polymerase gene using a fluorescence intercalator in reverse micelles. <i>Biotechnology Progress</i> , 2005 , 21, 575-9	2.8	8
36	Simple detection of point mutations in DNA oligonucleotides using SYBR Green I. <i>Biotechnology Letters</i> , 2003 , 25, 1637-41	3	8
35	Optical resolution of various amino acids using a supported liquid membrane encapsulating a surfactant-protease complex. <i>Langmuir</i> , 2005 , 21, 4674-9	4	8
34	Hydrogel formation by short D-peptide for cell-culture scaffolds. <i>Materials Science and Engineering C</i> , 2020 , 111, 110746	8.3	7
33	Controlling Surface Segregation of a Polymer To Display Carboxy Groups on an Outermost Surface Using Perfluoroacyl Groups. <i>Langmuir</i> , 2018 , 34, 6396-6404	4	7
32	Spectrophotometric assay for protease activity in ionic liquids using chromogenic substrates. <i>Analytical Biochemistry</i> , 2008 , 374, 285-90	3.1	7
31	Preparation of uncurled and planar multilayered graphene using polythiophene derivatives via liquid-phase exfoliation of graphite. <i>FlatChem</i> , 2018 , 8, 31-39	5.1	6
30	Task-specific membranes for the isolation of recombinant proteins with peptide tags. <i>RSC Advances</i> , 2012 , 2, 125-127	3.7	6
29	Analysis of solidification rate of polymer solutions during PVDF membrane fabrication via TIPS method. <i>Desalination and Water Treatment</i> , 2010 , 17, 275-280		6
28	Effect of addition of organic microspheres on proton conductivity property of sulfonated poly(arylene ether sulfone) membrane. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 3739-3745	2.9	6
27	Structural study of lipase modified with fatty acids. <i>Biochemical Engineering Journal</i> , 2001 , 9, 185-191	4.2	6
26	Surface-functionalization of isotactic polypropylene via dip-coating with a methacrylate-based terpolymer containing perfluoroalkyl groups and poly(ethylene glycol). <i>Polymer Journal</i> , 2019 , 51, 489-499	2.7	6
25	Interesterification and hydrolysis catalyzed by fatty acid-modified lipases. <i>European Journal of Lipid Science and Technology</i> , 2002 , 104, 255-261	3	5
24	Microenvironment pH-Induced Selective Cell Death for Potential Cancer Therapy Using Nanofibrous Self-Assembly of a Peptide Amphiphile. <i>Biomacromolecules</i> , 2021 , 22, 2524-2531	6.9	5
23	Enzyme-mediated protein refolding. <i>Chemical Communications</i> , 2009 , 7197-9	5.8	4
22	In Situ Synthesis of a Supramolecular Hydrogelator at an Oil/Water Interface for Stabilization and Stimuli-Induced Fusion of Microdroplets. <i>Angewandte Chemie</i> , 2017 , 129, 9538-9542	3.6	3
21	Hollow giant lipid vesicles prepared by coaxially electro spraying solutions of phospholipid and degradable polyelectrolyte. <i>Colloid and Polymer Science</i> , 2014 , 292, 3049-3053	2.4	3

20	Effect of diluents on the characteristics of cellulose diacetate membranes prepared via thermally induced phase separation method. <i>Desalination and Water Treatment</i> , 2010 , 17, 262-267		3
19	Microcapsulation of DNA and the adsorption of toxic substances. <i>Journal of Microencapsulation</i> , 2008 , 25, 324-9	3.4	3
18	Ring-opening Polymerization of Lactones Catalyzed by Surfactant-Coated Lipases in Organic Solvents.. <i>Journal of Chemical Engineering of Japan</i> , 2003 , 36, 307-312	0.8	3
17	Liquid-liquid Extraction of Functional Single-Stranded DNA Using Reverse Micelles with DNA-Surfactant. <i>ChemNanoMat</i> , 2016 , 2, 461-465	3.5	3
16	Liquid-liquid extraction of enzymatically synthesized functional RNA oligonucleotides using reverse micelles with a DNA-surfactant. <i>Chemical Communications</i> , 2016 , 52, 12376-12379	5.8	3
15	Quantification of azide groups on a material surface and a biomolecule using a clickable and cleavable fluorescent compound.. <i>RSC Advances</i> , 2019 , 9, 4621-4625	3.7	2
14	Rational design of a degradable polyanion for layer-by-layer assembly for encapsulation and release of cationic functional biomolecules. <i>Chemical Communications</i> , 2015 , 51, 17447-50	5.8	2
13	Effect of hydrocarbon-water interfaces on synthetic and hydrolytic activities of lipases. <i>Journal of Bioscience and Bioengineering</i> , 2001 , 92, 242-7	3.3	2
12	Molecular Design of pH-Responsive Helix Peptides That Can Damage Tumor Cells Selectively.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 2442-2452	4.1	2
11	Enzymatic synthesis of sugar amino acid esters in organic solvents. <i>Journal of Bioscience and Bioengineering</i> , 2002 , 94, 357-61	3.3	2
10	A Cu-free clickable surface with controllable surface density. <i>Colloid and Polymer Science</i> , 2019 , 297, 927-931	2.4	1
9	Mutation detection in the drug-resistant hepatitis B virus polymerase gene using nanostructured reverse micelles. <i>Analytical Sciences</i> , 2004 , 20, 1609-11	1.7	1
8	Covalent immobilization of gold nanoparticles on a plastic substrate and subsequent immobilization of biomolecules.. <i>RSC Advances</i> , 2021 , 11, 23409-23417	3.7	1
7	Electrospun polymeric short microfibers with surface-selective functionalization. <i>Colloid and Polymer Science</i> , 2018 , 296, 239-244	2.4	1
6	Restoration of the defect in radial glial fiber migration and cortical plate organization in a brain organoid model of Fukuyama muscular dystrophy. <i>iScience</i> , 2021 , 24, 103140	6.1	1
5	Efficient Refolding of Inclusion Bodies by Reversed Micelles. <i>Kagaku Kogaku Ronbunshu</i> , 2004 , 30, 468-473	0.4	1
4	Solid-phase Peptide Synthesis in a Microfluidic Device. <i>Kagaku Kogaku Ronbunshu</i> , 2004 , 30, 180-182	0.4	1
3	Effect of Amphiphilic Additives on Properties of Hollow-fiber Membranes of Cellulose Acetate Butyrate Prepared by Thermally Induced Phase Separation. <i>Kagaku Kogaku Ronbunshu</i> , 2009 , 35, 117-121	0.4	1

- 2 Preparation and Characterization of Microporous Hollow Fiber Membranes Containing Hydrotalcite as an Inorganic Adsorbent. *Solvent Extraction Research and Development*, **2010**, 17, 53-61 0.7
- 1 Comparative analyses of site-directed mutagenesis of human melatonin MTNR1A and MTNR1B receptors using a yeast fluorescent biosensor. *Biotechnology and Bioengineering*, **2021**, 118, 863-876 4.9