

# Masahiro Goto

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3357538/publications.pdf>

Version: 2024-02-01

425  
papers

14,036  
citations

23567

58  
h-index

39675

94  
g-index

429  
all docs

429  
docs citations

429  
times ranked

10634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances of enzymatic reactions in ionic liquids. <i>Biochemical Engineering Journal</i> , 2010, 48, 295-314.	3.6	415
2	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, 770-775.	13.7	329
3	CO <sub>2</sub> separation facilitated by task-specific ionic liquids using a supported liquid membrane. <i>Journal of Membrane Science</i> , 2008, 314, 1-4.	8.2	303
4	Ionic liquid pretreatment as emerging approaches for enhanced enzymatic hydrolysis of lignocellulosic biomass. <i>Biochemical Engineering Journal</i> , 2016, 109, 252-267.	3.6	276
5	Feasibility of Ionic Liquids as Alternative Separation Media for Industrial Solvent Extraction Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 4368-4372.	3.7	261
6	Ionic Liquids as a Novel Solvent for Lanthanide Extraction. <i>Analytical Sciences</i> , 2003, 19, 1097-1098.	1.6	245
7	Solvent Extraction and Stripping of Silver Ions in Room-Temperature Ionic Liquids Containing Calixarenes. <i>Analytical Chemistry</i> , 2004, 76, 5039-5044.	6.5	237
8	Ionic liquids as a potential tool for drug delivery systems. <i>MedChemComm</i> , 2016, 7, 1881-1897.	3.4	216
9	Ionic liquid-assisted transdermal delivery of sparingly soluble drugs. <i>Chemical Communications</i> , 2010, 46, 1452.	4.1	215
10	Selective extraction and recovery of rare earth metals from phosphor powders in waste fluorescent lamps using an ionic liquid system. <i>Journal of Hazardous Materials</i> , 2013, 254-255, 79-88.	12.4	213
11	Activation and stabilization of enzymes in ionic liquids. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2887.	2.8	210
12	Enzymatic <i>in situ</i> saccharification of cellulose in aqueous-ionic liquid media. <i>Biotechnology Letters</i> , 2008, 30, 1037-1040.	2.2	196
13	Ionic liquid-in-oil microemulsion as a potential carrier of sparingly soluble drug: Characterization and cytotoxicity evaluation. <i>International Journal of Pharmaceutics</i> , 2010, 400, 243-250.	5.2	193
14	Ionic liquid based microemulsion with pharmaceutically accepted components: Formulation and potential applications. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 136-142.	9.4	170
15	Recent advances in exploiting ionic liquids for biomolecules: Solubility, stability and applications. <i>Biotechnology Journal</i> , 2016, 11, 1000-1013.	3.5	153
16	Water-in-ionic liquid microemulsions as a new medium for enzymatic reactions. <i>Green Chemistry</i> , 2008, 10, 497.	9.0	142
17	Biocompatible ionic liquids and their applications in pharmaceutics. <i>Green Chemistry</i> , 2020, 22, 8116-8139.	9.0	131
18	Solvent Extraction of Trivalent Rare Earth Metal Ions with Carboxylate Derivatives of Calixarenes. <i>Analytical Sciences</i> , 1995, 11, 893-902.	1.6	123

#	ARTICLE	IF	CITATIONS
19	Development of new surfactant for liquid surfactant membrane process.. Journal of Chemical Engineering of Japan, 1987, 20, 157-164.	0.6	122
20	Synthesis and characterization of choline- $\omega$ -fatty-acid-based ionic liquids: A new biocompatible surfactant. Journal of Colloid and Interface Science, 2019, 551, 72-80.	9.4	104
21	Ionic Liquids: Future Solvents and Reagents for Pharmaceuticals. Journal of Chemical Engineering of Japan, 2011, 44, 370-381.	0.6	103
22	Antigen delivery targeted to tumor-associated macrophages overcomes tumor immune resistance. Journal of Clinical Investigation, 2019, 129, 1278-1294.	8.2	102
23	Crown Ether-Mediated Extraction and Functional Conversion of Cytochrome c in Ionic Liquids. Biomacromolecules, 2006, 7, 2-5.	5.4	101
24	Ionic-Liquid-Based Paclitaxel Preparation: A New Potential Formulation for Cancer Treatment. Molecular Pharmaceutics, 2018, 15, 2484-2488.	4.6	101
25	Extractive Solubilization, Structural Change, and Functional Conversion of Cytochrome c in Ionic Liquids via Crown Ether Complexation. Analytical Chemistry, 2006, 78, 7735-7742.	6.5	99
26	Recent Advances in Extraction and Separation of Rare-Earth Metals Using Ionic Liquids. Journal of Chemical Engineering of Japan, 2011, 44, 679-685.	0.6	96
27	A solid-in-oil nanodispersion for transcutaneous protein delivery. Journal of Controlled Release, 2008, 131, 14-18.	9.9	94
28	Enzymic Esterification by Surfactant-Coated Lipase in Organic Media. Biotechnology Progress, 1994, 10, 263-268.	2.6	93
29	Formation of Reverse Micelles in a Room-Temperature Ionic Liquid. ChemPhysChem, 2008, 9, 689-692.	2.1	87
30	An enteric-coated dry emulsion formulation for oral insulin delivery. Journal of Controlled Release, 2005, 107, 91-96.	9.9	85
31	Versatile Supramolecular Gelators That Can Harden Water, Organic Solvents and Ionic Liquids. Langmuir, 2012, 28, 9259-9266.	3.5	84
32	Hypoglycemic effect of surfactant-coated insulin solubilized in a novel solid-in-oil-in-water (S/O/W) emulsion. International Journal of Pharmaceutics, 2003, 252, 271-274.	5.2	82
33	Easy removing of phenol from wastewater using vegetable oil-based organic solvent in emulsion liquid membrane process. Chinese Journal of Chemical Engineering, 2017, 25, 45-52.	3.5	81
34	Enzyme-facilitated enantioselective transport of (S)-ibuprofen through a supported liquid membrane based on ionic liquids. Chemical Communications, 2003, , 2926.	4.1	79
35	A Novel Solid-in-oil Nanosuspension for Transdermal Delivery of Diclofenac Sodium. Pharmaceutical Research, 2008, 25, 896-901.	3.5	77
36	Proteinase-mediated drastic morphological change of peptide- $\omega$ -amphiphile to induce supramolecular hydrogelation. Chemical Communications, 2010, 46, 979-981.	4.1	77

#	ARTICLE	IF	CITATIONS
37	Application of cellulose acetate to the selective adsorption and recovery of Au(III). <i>Carbohydrate Polymers</i> , 2014, 111, 768-774.	10.2	77
38	Title is missing!. <i>Biotechnology Letters</i> , 2002, 24, 1341-1345.	2.2	76
39	Proteins and Protein-Rich Biomass as Environmentally Friendly Adsorbents Selective for Precious Metal Ions. <i>Environmental Science &amp; Technology</i> , 2007, 41, 1359-1364.	10.0	76
40	Recovery of gold ions from discarded mobile phone leachate by solvent extraction and polymer inclusion membrane (PIM) based separation using an amic acid extractant. <i>Separation and Purification Technology</i> , 2019, 214, 156-161.	7.9	76
41	Surfactant-Coated Lipase Suitable for the Enzymic Resolution of Menthol as a Biocatalyst in Organic Media. <i>Biotechnology Progress</i> , 1995, 11, 270-275.	2.6	73
42	Metal ion imprinted microsphere prepared by surface molecular imprinting technique using water-in-oil-in-water emulsions. <i>Journal of Applied Polymer Science</i> , 1999, 73, 1223-1230.	2.6	73
43	Extraction Behavior and Separation of Lanthanides with a Diglycol Amic Acid Derivative and a Nitrogen-donor Ligand. <i>Analytical Sciences</i> , 2007, 23, 1427-1430.	1.6	73
44	Characterization and cytotoxicity evaluation of biocompatible amino acid esters used to convert salicylic acid into ionic liquids. <i>International Journal of Pharmaceutics</i> , 2018, 546, 31-38.	5.2	73
45	Poly(ethylene glycol)-lipase complexes that are highly active and enantioselective in ionic liquids. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1239.	2.8	72
46	Ionic liquids with methotrexate moieties as a potential anticancer prodrug: Synthesis, characterization and solubility evaluation. <i>Journal of Molecular Liquids</i> , 2019, 278, 226-233.	4.9	71
47	Comb-shaped poly(ethylene glycol)-modified subtilisin Carlsberg is soluble and highly active in ionic liquids. <i>Chemical Communications</i> , 2005, , 4297.	4.1	68
48	Application of Ionic Liquids to Extraction Separation of Rare Earth Metals with an Effective Diglycol Amic Acid Extractant. <i>Journal of Chemical Engineering of Japan</i> , 2011, 44, 307-312.	0.6	67
49	A binary mixture of a biosurfactant and an ionic liquid surfactant as a green dispersant for oil spill remediation. <i>Journal of Molecular Liquids</i> , 2019, 280, 111-119.	4.9	66
50	Biocompatible Ionic Liquid Surfactant-Based Microemulsion as a Potential Carrier for Sparingly Soluble Drugs. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6263-6272.	6.7	66
51	Synergistic Deep Eutectic Solvents for Lithium Extraction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2152-2160.	6.7	66
52	Site-Specific Protein Cross-Linking by Peroxidase-Catalyzed Activation of a Tyrosine-Containing Peptide Tag. <i>Bioconjugate Chemistry</i> , 2011, 22, 74-81.	3.6	65
53	Intermittent partition walls promote solvent extraction of metal ions in a microfluidic device. <i>Analyst</i> , 2004, 129, 1008.	3.5	64
54	Short time ionic liquids pretreatment on lignocellulosic biomass to enhance enzymatic saccharification. <i>Bioresource Technology</i> , 2012, 103, 446-452.	9.6	64

#	ARTICLE	IF	CITATIONS
55	Design of surfactants suitable for surfactant coated enzymes as catalysts in organic media.. Journal of Chemical Engineering of Japan, 1993, 26, 109-111.	0.6	62
56	Use of ionic liquids in a lipase-facilitated supported liquid membrane. Biotechnology Letters, 2003, 25, 805-808.	2.2	62
57	An enzymatic method for site-specific labeling of recombinant proteins with oligonucleotides. Chemical Communications, 2007, , 401-403.	4.1	62
58	Electrical demulsification of W/O emulsion by continuous tubular coalescer.. Journal of Chemical Engineering of Japan, 1989, 22, 401-406.	0.6	59
59	Enzymatic interesterification of triglyceride with surfactant-coated lipase in organic media. Biotechnology and Bioengineering, 1995, 45, 27-32.	3.3	58
60	EXTRACTION OF RARE EARTH METALS WITH 2-ETHYLHEXYL PHOSPHONIC ACID MONO-2-ETHYLHEXYL ESTER IN THE PRESENCE OF DIETHYLENTRIAMINEPENTAACETIC ACID IN AQUEOUS PHASE. Solvent Extraction and Ion Exchange, 1993, 11, 437-453.	2.0	57
61	Design of surfactants suitable for protein extraction by reversed micelles. , 1997, 54, 26-32.		57
62	Uphill Transport of Rare-Earth Metals through a Highly Stable Supported Liquid Membrane Based on an Ionic Liquid. Analytical Sciences, 2010, 26, 289-290.	1.6	57
63	Enzymatic preparation of a redox-responsive hydrogel for encapsulating and releasing living cells. Chemical Communications, 2014, 50, 5895-5898.	4.1	57
64	Enzyme encapsulation in microparticles composed of polymerized ionic liquids for highly active and reusable biocatalysts. Organic and Biomolecular Chemistry, 2009, 7, 2353.	2.8	56
65	Selective Recovery of Dysprosium and Neodymium Ions by a Supported Liquid Membrane Based on Ionic Liquids. Solvent Extraction Research and Development, 2011, 18, 193-198.	0.4	55
66	Application of Ionic Liquids for the Separation of Rare Earth Metals. Solvent Extraction Research and Development, 2012, 19, 17-28.	0.4	55
67	Selective transport of scandium(III) across polymer inclusion membranes with improved stability which contain an amic acid carrier. Journal of Membrane Science, 2019, 572, 291-299.	8.2	55
68	Ionic Liquid-In-Oil Microemulsions Prepared with Biocompatible Choline Carboxylic Acids for Improving the Transdermal Delivery of a Sparingly Soluble Drug. Pharmaceutics, 2020, 12, 392.	4.5	55
69	Biodegradation of phenolic environmental pollutants by a surfactant-laccase complex in organic media. Journal of Bioscience and Bioengineering, 2005, 99, 642-647.	2.2	54
70	Exploring enzymatic catalysis at a solid surface: a case study with transglutaminase-mediated protein immobilization. Organic and Biomolecular Chemistry, 2007, 5, 1764.	2.8	53
71	An Overview on the Toxicological Properties of Ionic Liquids toward Microorganisms. Biotechnology Journal, 2020, 15, e1900073.	3.5	53
72	Ionic liquids with N-methyl-2-pyrrolidonium cation as an enhancer for topical drug delivery: Synthesis, characterization, and skin-penetration evaluation. Journal of Molecular Liquids, 2020, 299, 112166.	4.9	53

#	ARTICLE	IF	CITATIONS
73	Biocompatible Ionic Liquid-Mediated Micelles for Enhanced Transdermal Delivery of Paclitaxel. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 19745-19755.	8.0	53
74	Extraction Behavior of Hemoglobin Using Reversed Micelles by Dioleoyl Phosphoric Acid. <i>Biotechnology Progress</i> , 1996, 12, 793-800.	2.6	52
75	Homogeneous enzymatic reactions in ionic liquids with poly(ethylene glycol)-modified subtilisin. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3462.	2.8	52
76	Choline and amino acid based biocompatible ionic liquid mediated transdermal delivery of the sparingly soluble drug acyclovir. <i>International Journal of Pharmaceutics</i> , 2020, 582, 119335.	5.2	52
77	Highly Efficient Extraction Separation of Lanthanides Using a Diglycolamic Acid Extractant. <i>Analytical Sciences</i> , 2014, 30, 263-269.	1.6	51
78	Enzymatic polymerization catalyzed by surfactant-coated lipases in organic media. <i>Biotechnology Letters</i> , 1997, 19, 307-310.	2.2	49
79	Synthesis of Cellulose In Vitro by Using a Cellulase/Surfactant Complex in a Nonaqueous Medium. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2063-2065.	13.8	49
80	Ionic liquid-mediated transcutaneous protein delivery with solid-in-oil nanodispersions. <i>MedChemComm</i> , 2015, 6, 2124-2128.	3.4	49
81	Solubility of acyclovir in nontoxic and biodegradable ionic liquids: COSMO-RS prediction and experimental verification. <i>Journal of Molecular Liquids</i> , 2017, 243, 124-131.	4.9	49
82	Solvent extraction of Pt(IV), Pd(II), and Rh(III) with the ionic liquid trioctyl(dodecyl) phosphonium chloride. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1714-1721.	3.2	49
83	Development of a novel ionic liquid-curcumin complex to enhance its solubility, stability, and activity. <i>Chemical Communications</i> , 2019, 55, 7737-7740.	4.1	49
84	Recent advances of enzymatic reactions in ionic liquids: Part II. <i>Biochemical Engineering Journal</i> , 2020, 154, 107426.	3.6	49
85	Design of a Specific Peptide Tag that Affords Covalent and Site-Specific Enzyme Immobilization Catalyzed by Microbial Transglutaminase. <i>Biomacromolecules</i> , 2005, 6, 2299-2304.	5.4	48
86	Selective extraction of scandium from yttrium and lanthanides with amic acid-type extractant containing alkylamide and glycine moieties. <i>RSC Advances</i> , 2014, 4, 50726-50730.	3.6	48
87	Production of sophorolipids by <i>Starmerella bombicola</i> yeast using new hydrophobic substrates. <i>Biochemical Engineering Journal</i> , 2017, 127, 60-67.	3.6	47
88	Metal-imprinted microsphere prepared by surface template polymerization and its application to chromatography. <i>Journal of Polymer Science Part A</i> , 2000, 38, 689-696.	2.3	46
89	Selective Separation of Pd(II), Rh(III), and Ru(III) Ions from a Mixed Chloride Solution Using Activated Carbon Pellets. <i>Separation Science and Technology</i> , 2000, 35, 1307-1327.	2.5	44
90	Extraction Behavior of Amino Acids by Calix[6]arene Carboxylic Acid Derivatives. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 43, 77-86.	1.6	44

#	ARTICLE	IF	CITATIONS
91	Highly Enantioselective Separation Using a Supported Liquid Membrane Encapsulating Surfactant-Enzyme Complex. <i>Journal of the American Chemical Society</i> , 2004, 126, 8622-8623.	13.7	44
92	Protein Heteroconjugation by the Peroxidase-Catalyzed Tyrosine Coupling Reaction. <i>Bioconjugate Chemistry</i> , 2011, 22, 2332-2338.	3.6	44
93	Screening of ionic liquids for the extraction of biologically active compounds using emulsion liquid membrane: COSMO-RS prediction and experiments. <i>Journal of Molecular Liquids</i> , 2020, 309, 113122.	4.9	44
94	Novel preparation method for surfactant-lipase complexes utilizing water in oil emulsions. , 1997, 55, 455-460.		43
95	Separation of platinum and palladium by liquid surfactant membranes utilizing a novel bi-functional surfactant. <i>Journal of Membrane Science</i> , 1996, 120, 77-88.	8.2	42
96	Liquid-Liquid Extraction of Metal Ions with a Cyclic Ligand Calixarene Carboxyl Derivative.. <i>Analytical Sciences</i> , 1998, 14, 501-506.	1.6	42
97	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.	6.1	42
98	Transglutaminase-Mediated Synthesis of a DNA-Probe for Highly Sensitive DNA Detection. <i>Chemistry - A European Journal</i> , 2011, 17, 5387-5392.	3.3	42
99	Insulin Transdermal Delivery System for Diabetes Treatment Using a Biocompatible Ionic Liquid-Based Microemulsion. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 42461-42472.	8.0	42
100	Extraction Kinetics of Rare Earth Metals with 2-Ethylhexyl Phosphonic Acid Mono-2-ethylhexyl Ester Using a Hollow Fiber Membrane Extractor. <i>Separation Science and Technology</i> , 1995, 30, 777-792.	2.5	41
101	A recombinant <i>Escherichia coli</i> whole cell biocatalyst harboring a cytochrome P450cam monooxygenase system coupled with enzymatic cofactor regeneration. <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 514-520.	3.6	41
102	A Solid-in-Oil Dispersion of Gold Nanorods Can Enhance Transdermal Protein Delivery and Skin Vaccination. <i>Small</i> , 2011, 7, 215-220.	10.0	41
103	Great potency of seaweed waste biomass from the carrageenan industry for bioethanol production by peracetic acid-ionic liquid pretreatment. <i>Biomass and Bioenergy</i> , 2015, 81, 63-69.	5.7	41
104	Aggregation behavior and antimicrobial activity of a micellar system of binary ionic liquids. <i>Journal of Molecular Liquids</i> , 2018, 266, 568-576.	4.9	41
105	Application of a Novel Phosphonium-Based Ionic Liquid to the Separation of Platinum Group Metals from Automobile Catalyst Leach Liquor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 3845-3852.	3.7	41
106	First Application of Calixarenes as Extractants in Room-temperature Ionic Liquids. <i>Chemistry Letters</i> , 2004, 33, 320-321.	1.3	40
107	Transglutaminase-Mediated Protein Immobilization to Casein Nanolayers Created on a Plastic Surface. <i>Biomacromolecules</i> , 2005, 6, 35-38.	5.4	40
108	Transdermal delivery of the anti-rheumatic agent methotrexate using a solid-in-oil nanocarrier. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 82, 158-163.	4.3	40



#	ARTICLE	IF	CITATIONS
109	Oral delivery of diclofenac sodium using a novel solid-in-oil suspension. <i>International Journal of Pharmaceutics</i> , 2006, 313, 159-162.	5.2	39
110	Design and Characterization of Fatty Acid-Based Amino Acid Ester as a New "Green" Hydrophobic Ionic Liquid for Drug Delivery. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13660-13671.	6.7	39
111	Acceleration effect of anionic surfactants on extraction rate of copper with liquid surfactant membrane containing LIX65N and nonionic surfactant.. <i>Journal of Chemical Engineering of Japan</i> , 1989, 22, 79-84.	0.6	38
112	Lipase incorporated ionic liquid polymers as active, stable and reusable biocatalysts. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7707.	2.8	38
113	Solid-in-oil dispersion: A novel core technology for drug delivery systems. <i>International Journal of Pharmaceutics</i> , 2012, 438, 249-257.	5.2	38
114	Solid-in-oil nanodispersions for transdermal drug delivery systems. <i>Biotechnology Journal</i> , 2016, 11, 1375-1385.	3.5	38
115	Lanthanide-Imprinted Resins Prepared by Surface Template Polymerization.. <i>Journal of Chemical Engineering of Japan</i> , 2000, 33, 665-668.	0.6	37
116	Selective adsorption and recovery of precious metal ions using protein-rich biomass as efficient adsorbents. <i>Process Biochemistry</i> , 2014, 49, 850-857.	3.7	37
117	Separation of cobalt(II) from manganese(II) using a polymer inclusion membrane with N-[N-di(2-ethylhexyl)aminocarbonylmethyl]glycine (D2EHAG) as the extractant/carrier. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1320-1326.	3.2	37
118	Biocompatible Ionic Liquid Enhances Transdermal Antigen Peptide Delivery and Preventive Vaccination Effect. <i>Molecular Pharmaceutics</i> , 2020, 17, 3845-3856.	4.6	37
119	Gold nanorods in an oil-base formulation for transdermal treatment of type 1 diabetes in mice. <i>Nanoscale</i> , 2012, 4, 3776.	5.6	36
120	Powerful peracetic acid "ionic liquid pretreatment process for the efficient chemical hydrolysis of lignocellulosic biomass. <i>Bioresource Technology</i> , 2016, 214, 487-495.	9.6	36
121	Transcutaneous immunization by a solid-in-oil nanodispersion. <i>Chemical Communications</i> , 2010, 46, 9200.	4.1	35
122	Synergistic Extraction of Rare-Earth Metals and Separation of Scandium Using 2-Thenoyltrifluoroacetone and Tri-n-octylphosphine Oxide in an Ionic Liquid System. <i>Journal of Chemical Engineering of Japan</i> , 2014, 47, 656-662.	0.6	35
123	In vivo biocompatibility, pharmacokinetics, antitumor efficacy, and hypersensitivity evaluation of ionic liquid-mediated paclitaxel formulations. <i>International Journal of Pharmaceutics</i> , 2019, 565, 219-226.	5.2	35
124	Surface modification of a solid-state cellulose matrix with lactose by a surfactant-enveloped enzyme in a nonaqueous medium. <i>Journal of Materials Chemistry</i> , 2009, 19, 1836.	6.7	34
125	Protein-Grafted Polymers Prepared Through a Site-Specific Conjugation by Microbial Transglutaminase for an Immunosorbent Assay. <i>Biomacromolecules</i> , 2017, 18, 422-430.	5.4	34
126	Genipin-stabilized caseinate-chitosan nanoparticles for enhanced stability and anti-cancer activity of curcumin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 308-315.	5.0	34



#	ARTICLE	IF	CITATIONS
127	Recovery of platinum group metals from a spent automotive catalyst using polymer inclusion membranes containing an ionic liquid carrier. <i>Journal of Membrane Science</i> , 2021, 629, 119296.	8.2	34
128	Catalytic and Structural Properties of Surfactant-Horseradish Peroxidase Complex in Organic Media. <i>Biotechnology Progress</i> , 2000, 16, 52-58.	2.6	33
129	Selective Recovery of Platinum Group Metals from Spent Automotive Catalysts by Leaching and Solvent Extraction. <i>Journal of Chemical Engineering of Japan</i> , 2019, 52, 835-842.	0.6	33
130	Selective recovery of palladium from a simulated industrial waste water by liquid surfactant membrane process. <i>Journal of Membrane Science</i> , 1996, 118, 63-71.	8.2	32
131	Protein Lipidation Catalyzed by Microbial Transglutaminase. <i>Chemistry - A European Journal</i> , 2011, 17, 14004-14008.	3.3	32
132	Recent advances in surface-active ionic liquid-assisted self-assembly systems for drug delivery. <i>Current Opinion in Colloid and Interface Science</i> , 2021, 56, 101515.	7.4	32
133	Surfactant-horseradish peroxidase complex catalytically active in anhydrous benzene. <i>Biotechnology Letters</i> , 1997, 11, 375-378.	0.5	31
134	Surfactant-protease complex as a novel biocatalyst for peptide synthesis in hydrophilic organic solvents. <i>Enzyme and Microbial Technology</i> , 2000, 26, 159-164.	3.2	31
135	Primary Amine-Clustered DNA Aptamer for DNA-Protein Conjugation Catalyzed by Microbial Transglutaminase. <i>Bioconjugate Chemistry</i> , 2017, 28, 2954-2961.	3.6	31
136	Separation of Palladium(II) and Rhodium(III) Using a Polymer Inclusion Membrane Containing a Phosphonium-Based Ionic Liquid Carrier. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 22334-22342.	3.7	31
137	Enzymatic resolution of racemic ibuprofen by surfactant-coated lipases in organic media. <i>Biotechnology Letters</i> , 1996, 18, 839-844.	2.2	30
138	Surface imprinted polymers recognizing amino acid chirality. <i>Journal of Applied Polymer Science</i> , 2000, 78, 695-703.	2.6	30
139	Solvent Extraction of Lanthanides into an Ionic Liquid Containing N,N,N',N'-Tetrakis(2-pyridylmethyl)ethylenediamine. <i>Chemistry Letters</i> , 2006, 35, 484-485.	1.3	30
140	Conjugation of DNA with protein using His-tag chemistry and its application to the aptamer-based detection system. <i>Biotechnology Letters</i> , 2008, 30, 2001-2006.	2.2	30
141	Preparation of a solid-in-oil nanosuspension containing L-ascorbic acid as a novel long-term stable topical formulation. <i>International Journal of Pharmaceutics</i> , 2011, 420, 156-160.	5.2	30
142	Solid-in-Oil Peptide Nanocarriers for Transcutaneous Cancer Vaccine Delivery against Melanoma. <i>Molecular Pharmaceutics</i> , 2018, 15, 955-961.	4.6	30
143	How Is Enzymatic Selectivity of Menthol Esterification Catalyzed by Surfactant-Coated Lipase Determined in Organic Media?. <i>Biotechnology Progress</i> , 1997, 13, 488-492.	2.6	29
144	Application of Novel Preparation Method for Surfactant-Protease Complexes Catalytically Active in Organic Media. <i>Biotechnology Progress</i> , 1997, 13, 551-556.	2.6	29

#	ARTICLE	IF	CITATIONS
145	Preparation of Lactose-Modified Cellulose Films by a Nonaqueous Enzymatic Reaction and their Biofunctional Characteristics as a Scaffold for Cell Culture. <i>Biomacromolecules</i> , 2009, 10, 1265-1269.	5.4	29
146	A Comparative Study of Ionic Liquids and a Conventional Organic Solvent on the Extraction of Rare-earth Ions with TOPO. <i>Solvent Extraction Research and Development</i> , 2013, 20, 225-232.	0.4	29
147	Co-amorphous formation of piroxicam-citric acid to generate supersaturation and improve skin permeation. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 158, 105667.	4.0	29
148	Sequence-selective extraction of single-stranded DNA using DNA-functionalized reverse micelles. <i>Chemical Communications</i> , 2007, , 4450.	4.1	28
149	Low melting point pyridinium ionic liquid pretreatment for enhancing enzymatic saccharification of cellulosic biomass. <i>Bioresource Technology</i> , 2013, 135, 103-108.	9.6	28
150	A polymer inclusion membrane composed of the binary carrier PC-88A and Versatic 10 for the selective separation and recovery of Sc. <i>RSC Advances</i> , 2018, 8, 8631-8637.	3.6	28
151	An ionic liquid extractant dissolved in an ionic liquid diluent for selective extraction of Li(I) from salt lakes. <i>Desalination</i> , 2021, 509, 115073.	8.2	28
152	EXTRACTION BEHAVIOR OF COPPER(II) ION BY CALIXARENE CARBOXYLATE DERIVATIVES PREORGANIZED BY SODIUM ION. <i>Solvent Extraction and Ion Exchange</i> , 1996, 14, 459-478.	2.0	27
153	Characterization and Catalytic Property of Surfactant-Laccase Complex in Organic Media. <i>Biotechnology Progress</i> , 2000, 16, 583-588.	2.6	27
154	Important Parameters Affecting Efficiency of Protein Refolding by Reversed Micelles. <i>Biotechnology Progress</i> , 2000, 16, 1079-1085.	2.6	27
155	Poly(ethylene glycol)-lipase complexes catalytically active in fluorosolvents. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 524.	2.8	27
156	Biosorption of Rare Earth Elements by <i>Escherichia coli</i> . <i>Journal of Chemical Engineering of Japan</i> , 2013, 46, 450-454.	0.6	27
157	Separation of Precious Metals by Using Undiluted Ionic Liquids. <i>Solvent Extraction Research and Development</i> , 2014, 21, 89-94.	0.4	27
158	Sucrose laurate-enhanced transcutaneous immunization with a solid-in-oil nanodispersion. <i>MedChemComm</i> , 2014, 5, 20-24.	3.4	27
159	New insight into transdermal drug delivery with supersaturated formulation based on co-amorphous system. <i>International Journal of Pharmaceutics</i> , 2019, 569, 118582.	5.2	27
160	Selective Separation of Platinum Group Metals via Sequential Transport through Polymer Inclusion Membranes Containing an Ionic Liquid Carrier. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11283-11291.	6.7	27
161	Extraction of DNA by Reversed Micelles. <i>Journal of Chemical Engineering of Japan</i> , 1999, 32, 123-125.	0.6	27
162	Peracetic acid-ionic liquid pretreatment to enhance enzymatic saccharification of lignocellulosic biomass. <i>Bioresource Technology</i> , 2013, 138, 87-94.	9.6	26

#	ARTICLE	IF	CITATIONS
163	Formation and potential application of micelles composed of biocompatible N-lauroyl-amino acid ionic liquids surfactant. <i>Journal of Molecular Liquids</i> , 2020, 320, 114424.	4.9	26
164	Direct Refolding of Inclusion Bodies Using Reversed Micelles. <i>Biotechnology Progress</i> , 2004, 20, 1783-1787.	2.6	25
165	Design of a cytochrome P450BM3 reaction system linked by two-step cofactor regeneration catalyzed by a soluble transhydrogenase and glycerol dehydrogenase. <i>Biotechnology Progress</i> , 2009, 25, 1372-1378.	2.6	25
166	Fluorescent substrates for covalent protein labeling catalyzed by microbial transglutaminase. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3407.	2.8	25
167	Immobilization of alkaline phosphatase on magnetic particles by site-specific and covalent cross-linking catalyzed by microbial transglutaminase. <i>Journal of Bioscience and Bioengineering</i> , 2011, 111, 650-653.	2.2	25
168	Transglutaminase-Mediated in Situ Hybridization (TranslSH) System: A New Methodology for Simplified mRNA Detection. <i>Analytical Chemistry</i> , 2012, 84, 5885-5891.	6.5	25
169	Lipid based biocompatible ionic liquids: synthesis, characterization and biocompatibility evaluation. <i>Chemical Communications</i> , 2020, 56, 13756-13759.	4.1	25
170	Biocompatible ionic liquids assisted transdermal co-delivery of antigenic protein and adjuvant for cancer immunotherapy. <i>International Journal of Pharmaceutics</i> , 2021, 601, 120582.	5.2	25
171	Development of Novel Extractants with Amino Acid Structure for Efficient Separation of Nickel and Cobalt from Manganese Ions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 812-818.	3.7	25
172	An enzymatic strategy for site-specific immobilization of functional proteins using microbial transglutaminase. <i>Enzyme and Microbial Technology</i> , 2004, 35, 613-618.	3.2	24
173	Directed aggregation and fusion of lipid vesicles induced by DNA-surfactants. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 66, 119-124.	5.0	24
174	Extraction and Separation of Rare Earth Metal Ions with DODGAA in Ionic liquids. <i>Solvent Extraction Research and Development</i> , 2012, 19, 69-76.	0.4	24
175	Selective Extraction of Scandium by a Long Alkyl Chain Carboxylic Acid/Organophosphonic Ester Binary Extractant. <i>Solvent Extraction and Ion Exchange</i> , 2018, 36, 647-657.	2.0	24
176	Development and optimization of ionic liquid-based emulsion liquid membrane process for efficient recovery of lactic acid from aqueous streams. <i>Biochemical Engineering Journal</i> , 2021, 176, 108216.	3.6	24
177	One Step Effective Separation of Platinum and Palladium in an Acidic Chloride Solution by Using Undiluted Ionic Liquids. <i>Solvent Extraction Research and Development</i> , 2014, 21, 129-135.	0.4	24
178	Surfactant-chymotrypsin complex as a novel biocatalyst in organic media. <i>Journal of Bioscience and Bioengineering</i> , 1997, 83, 555-560.	0.9	23
179	Surface imprinting polymers for the recognition of nucleotides. <i>Bioseparation</i> , 2001, 10, 315-321.	0.7	23
180	DNA Extraction by Cationic Reverse Micelles. <i>Journal of Chemical Engineering of Japan</i> , 2004, 37, 662-668.	0.6	23

#	ARTICLE	IF	CITATIONS
181	Transdermal delivery of insulin using a solid-in-oil nanodispersion enhanced by arginine-rich peptides. <i>MedChemComm</i> , 2012, 3, 1496.	3.4	23
182	Spatial heterogeneity in the sol-gel transition of a supramolecular system. <i>Soft Matter</i> , 2013, 9, 5166.	2.7	23
183	Designer aromatic peptide amphiphiles for self-assembly and enzymatic display of proteins with morphology control. <i>Chemical Communications</i> , 2019, 55, 640-643.	4.1	23
184	Spacer effect of novel bifunctional organophosphorus monomers in metal-imprinted polymers prepared by surface template polymerization. <i>Journal of Polymer Science Part A</i> , 1998, 36, 2727-2734.	2.3	22
185	Electron-Transfer Reactions and Functionalization of Cytochrome P450cam Monooxygenase System in Reverse Micelles. <i>Langmuir</i> , 2004, 20, 5564-5568.	3.5	22
186	DNA Hybridization in Nanostructural Molecular Assemblies Enables Detection of Gene Mutations without a Fluorescent Probe. <i>Biomacromolecules</i> , 2004, 5, 49-53.	5.4	22
187	Enzymatic Redox Cofactor Regeneration in Organic Media: Functionalization and Application of Glycerol Dehydrogenase and Soluble Transhydrogenase in Reverse Micelles. <i>Biotechnology Progress</i> , 2008, 21, 1192-1197.	2.6	22
188	Quaternary Ammonium Bacterial Cellulose for Adsorption of Proteins. <i>Solvent Extraction Research and Development</i> , 2010, 17, 73-81.	0.4	22
189	Intestinal patches with an immobilized solid-in-oil formulation for oral protein delivery. <i>Acta Biomaterialia</i> , 2012, 8, 653-658.	8.3	22
190	Synergistic degradation of arabinoxylan by free and immobilized xylanases and arabinofuranosidase. <i>Biochemical Engineering Journal</i> , 2016, 114, 268-275.	3.6	22
191	Favipiravir-Based Ionic Liquids as Potent Antiviral Drugs for Oral Delivery: Synthesis, Solubility, and Pharmacokinetic Evaluation. <i>Molecular Pharmaceutics</i> , 2021, 18, 3108-3115.	4.6	22
192	Enantioselective recognition mechanism of secondary alcohol by surfactant-coated lipases in nonaqueous media. , 1999, 65, 227-232.		21
193	ADSORPTION PERFORMANCE OF ACTIVATED CARBON PELLETS IMMOBILIZED WITH ORGANOPHOSPHORUS EXTRACTANTS AND AN AMINE: A CASE STUDY FOR THE SEPARATION OF Pt(IV), Pd(II), AND Rh(III) IONS IN CHLORIDE MEDIA. <i>Separation Science and Technology</i> , 2001, 36, 2845-2861.	2.5	21
194	Transport of organic acids through a supported liquid membrane driven by lipase-catalyzed reactions. <i>Journal of Bioscience and Bioengineering</i> , 2003, 96, 370-374.	2.2	21
195	Design and in vivo evaluation of solid-in-oil suspension for oral delivery of human growth hormone. <i>Biochemical Engineering Journal</i> , 2008, 41, 106-110.	3.6	21
196	Development of novel adsorbent bearing aminocarbonylmethylglycine and its application to scandium separation. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2779-2784.	3.2	21
197	Enzymatically prepared redox-responsive hydrogels as potent matrices for hepatocellular carcinoma cell spheroid formation. <i>Biotechnology Journal</i> , 2016, 11, 1452-1460.	3.5	21
198	Diglycolic amic acid-modified E. coli as a biosorbent for the recovery of rare earth elements. <i>Biochemical Engineering Journal</i> , 2016, 113, 102-106.	3.6	21

#	ARTICLE	IF	CITATIONS
199	Lipid-Based Ionic-Liquid-Mediated Nanodispersions as Biocompatible Carriers for the Enhanced Transdermal Delivery of a Peptide Drug. <i>ACS Applied Bio Materials</i> , 2021, 4, 6256-6267.	4.6	21
200	Perfluorocarbon-based Liquid-Liquid Extraction for Separation of Transition Metal Ions. <i>Analytical Sciences</i> , 2007, 23, 763-765.	1.6	20
201	Controllable heterogeneity in a supramolecular hydrogel. <i>Chemical Communications</i> , 2011, 47, 8844.	4.1	20
202	Biocatalytic synthesis of gold nanoparticles with cofactor regeneration in recombinant <i>Escherichia coli</i> cells. <i>Chemical Communications</i> , 2011, 47, 7350.	4.1	20
203	Application of Ionic Liquids in Solvent Extraction of Platinum Group Metals. <i>Solvent Extraction Research and Development</i> , 2020, 27, 1-24.	0.4	20
204	Cathode recycling of lithium-ion batteries based on reusable hydrophobic eutectic solvents. <i>Green Chemistry</i> , 2022, 24, 5107-5115.	9.0	20
205	Factors affecting protein release behavior from surfactant-protein complexes under physiological conditions. <i>International Journal of Pharmaceutics</i> , 2007, 338, 174-179.	5.2	19
206	Needle-free immunization using a solid-in-oil nanodispersion enhanced by a skin-permeable oligoarginine peptide. <i>International Journal of Pharmaceutics</i> , 2013, 458, 334-339.	5.2	19
207	Extraction and Separation of Pt and Pd by an Imidazolium-Based Ionic Liquid Combined with Phosphonium Chloride. <i>Solvent Extraction Research and Development</i> , 2017, 24, 97-104.	0.4	19
208	Extraction and Stripping Behavior of Platinum Group Metals Using an Amic-Acid-Type Extractant. <i>Journal of Chemical Engineering of Japan</i> , 2017, 50, 521-526.	0.6	19
209	Separation and Recovery of Scandium from Sulfate Media by Solvent Extraction and Polymer Inclusion Membranes with Amic Acid Extractants. <i>ACS Omega</i> , 2019, 4, 21122-21130.	3.5	19
210	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, 12-17.	2.2	18
211	Protein assemblies by site-specific avidin-biotin interactions. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5641.	2.8	18
212	Transglutaminase-mediated internal protein labeling with a designed peptide loop. <i>Biochemical and Biophysical Research Communications</i> , 2011, 410, 829-833.	2.1	18
213	Protein supramolecular complex formation by site-specific avidin-biotin interactions. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 914-922.	2.8	18
214	Tailing DNA aptamers with a functional protein by two-step enzymatic reaction. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 660-665.	2.2	18
215	Ionic Liquid Pretreatment of Lignocellulosic Biomass for Enhanced Enzymatic Delignification. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2018, 168, 61-77.	1.1	18
216	Self-Assembled Reduced Albumin and Glycol Chitosan Nanoparticles for Paclitaxel Delivery. <i>Langmuir</i> , 2019, 35, 2610-2618.	3.5	18

#	ARTICLE	IF	CITATIONS
217	Polymerization of Horseradish Peroxidase by a Laccase-Catalyzed Tyrosine Coupling Reaction. <i>Biotechnology Journal</i> , 2019, 14, e1800531.	3.5	18
218	Extraction of salicylic acid from wastewater using ionic liquid-based green emulsion liquid membrane: COSMO-RS prediction and experimental verification. <i>Journal of Molecular Liquids</i> , 2022, 347, 118280.	4.9	18
219	Recovery of Phenols Using Liquid Surfactant Membranes Prepared with Newly Synthesized Surfactants. <i>Separation Science and Technology</i> , 1996, 31, 107-124.	2.5	17
220	Detection of Single-Base Mutations by Fluorogenic Ribonuclease Protection Assay. <i>Analytical Chemistry</i> , 2005, 77, 7047-7053.	6.5	17
221	Transcutaneous Peptide Immunotherapy of Japanese Cedar Pollinosis Using Solid-in-Oil Nanodispersion Technology. <i>AAPS PharmSciTech</i> , 2015, 16, 1418-1424.	3.3	17
222	Selective Extraction of Scandium from Transition Metals by Synergistic Extraction with 2-Thenoyltrifluoroacetone and Tri-n-octylphosphine Oxide. <i>Solvent Extraction Research and Development</i> , 2016, 23, 137-143.	0.4	17
223	A Novel Binary-Extractant-Impregnated Resin for Selective Recovery of Scandium. <i>Journal of Chemical Engineering of Japan</i> , 2019, 52, 49-55.	0.6	17
224	Recovery of Palladium from an Industrial Wastewater Using Liquid Surfactant Membranes. <i>Separation Science and Technology</i> , 1996, 31, 381-399.	2.5	16
225	A Supported Liquid Membrane Encapsulating a Surfactant-Lipase Complex for the Selective Separation of Organic Acids. <i>Chemistry - A European Journal</i> , 2005, 11, 1163-1170.	3.3	16
226	Metal Extraction from Water and Organic Solvents into Fluorous Solvents by Fluorinated $\beta$ -Diketone and Its Application to the Colorimetric Analysis of Metal Ions. <i>Analytical Sciences</i> , 2009, 25, 77-82.	1.6	16
227	Programmable protein-protein conjugation via DNA-based self-assembly. <i>Chemical Communications</i> , 2012, 48, 6226.	4.1	16
228	Enzymatic Fabrication of Protein-Decorated Gold Nanoparticles by the Aid of Artificial Peptides with Gold-Binding Affinity. <i>Langmuir</i> , 2013, 29, 15596-15605.	3.5	16
229	Transcutaneous immunization against cancer using solid-in-oil nanodispersions. <i>MedChemComm</i> , 2015, 6, 1387-1392.	3.4	16
230	Transcutaneous pollinosis immunotherapy using a solid-in-oil nanodispersion system carrying T cell epitope peptide and R848. <i>Bioengineering and Translational Medicine</i> , 2017, 2, 102-108.	7.1	16
231	Transcutaneous Codelivery of Tumor Antigen and Resiquimod in Solid-in-Oil Nanodispersions Promotes Antitumor Immunity. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2297-2306.	5.2	16
232	Enzymatic Cell-Surface Decoration with Proteins using Amphiphilic Lipid-Fused Peptide Substrates. <i>Chemistry - A European Journal</i> , 2019, 25, 7315-7321.	3.3	16
233	Ionic liquid polymer materials with tunable nanopores controlled by surfactant aggregates: a novel approach for CO <sub>2</sub> capture. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15034-15041.	10.3	16
234	Facilitating enzymatic reactions by using ionic liquids: A mini review. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 27, 100406.	5.9	16



#	ARTICLE	IF	CITATIONS
235	Effect of using a co-solvent in the preparation of surfactant-coated lipases on catalytic activity in organic media. <i>Journal of Bioscience and Bioengineering</i> , 1996, 82, 37-41.	0.9	15
236	Functional immobilization of recombinant alkaline phosphatases bearing a glutamyl donor substrate peptide of microbial transglutaminase. <i>Journal of Bioscience and Bioengineering</i> , 2007, 104, 195-199.	2.2	15
237	Reduction of Gastric Ulcerogenicity During Multiple Administration of Diclofenac Sodium by a Novel Solid-in-Oil Suspension. <i>Pharmaceutical Development and Technology</i> , 2007, 12, 321-325.	2.4	15
238	Enzymatic single-step preparation of multifunctional proteins. <i>Chemical Communications</i> , 2010, 46, 7160.	4.1	15
239	Ionic Liquid-in-Oil Microemulsions as Potential Carriers for the Transdermal Delivery of Methotrexate. <i>Journal of Chemical Engineering of Japan</i> , 2013, 46, 794-796.	0.6	15
240	An environmentally benign ionic liquid based formulation for enhanced oil spill remediation: Optimization of environmental factors. <i>Journal of Molecular Liquids</i> , 2020, 314, 113603.	4.9	15
241	Methotrexate-based ionic liquid as a potent anticancer drug for oral delivery: In vivo pharmacokinetics, biodistribution, and antitumor efficacy. <i>International Journal of Pharmaceutics</i> , 2021, 608, 121129.	5.2	15
242	Surface active ionic liquid and Tween-80 blend as an effective dispersant for crude oil spill remediation. <i>Environmental Technology and Innovation</i> , 2021, 24, 101868.	6.1	15
243	DFT-Based investigation of Amicâ€“Acid extractants and their application to the recovery of Ni and Co from spent automotive Lithiumâ€“Ion batteries. <i>Separation and Purification Technology</i> , 2022, 281, 119898.	7.9	15
244	Amino Acid Ester based Phenolic Ionic Liquids as a Potential Solvent for the Bioactive Compound Luteolin: Synthesis, Characterization, and Food Preservation Activity. <i>Journal of Molecular Liquids</i> , 2022, 349, 118103.	4.9	15
245	Recent Developments in Ionic Liquid-Assisted Topical and Transdermal Drug Delivery. <i>Pharmaceutical Research</i> , 2022, 39, 2335-2351.	3.5	15
246	Enantioselective esterification of glycidol by surfactant-lipase complexes in organic media. <i>Biotechnology Letters</i> , 1997, 19, 541-543.	2.2	14
247	Inhibitory effects of gold(III) ions on ribonuclease and deoxyribonuclease. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 180-186.	3.5	14
248	Control of a Tyrosyl Radical Mediated Protein Cross-Linking Reaction by Electrostatic Interaction. <i>Bioconjugate Chemistry</i> , 2012, 23, 1600-1609.	3.6	14
249	Enzymatic preparation of streptavidin-immobilized hydrogel using a phenolated linear poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overbor	3.6	14
250	Characterization of enzymatically gellable, phenolated linear poly(ethylene glycol) with different molecular weights for encapsulating living cells. <i>Biochemical Engineering Journal</i> , 2015, 93, 25-30.	3.6	14
251	Design of Lipidâ€“Protein Conjugates Using Amphiphilic Peptide Substrates of Microbial Transglutaminase. <i>ACS Applied Bio Materials</i> , 2018, 1, 1823-1829.	4.6	14
252	Laccase-catalyzed bioconjugation of tyrosine-tagged functional proteins. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 559-566.	2.2	14



#	ARTICLE	IF	CITATIONS
253	Cellulose nanocrystals preparation from microcrystalline cellulose using ionic liquid-DMSO binary mixture as a processing medium. <i>Journal of Molecular Liquids</i> , 2022, 346, 118208.	4.9	14
254	Ionic Liquid and Tween-80 Mixture as an Effective Dispersant for Oil Spills: Toxicity, Biodegradability, and Optimization. <i>ACS Omega</i> , 2022, 7, 15751-15759.	3.5	14
255	Separation of Palladium and Silver from a Nitric Acid Solution by Liquid Surfactant Membranes. <i>Separation Science and Technology</i> , 1997, 32, 1415-1432.	2.5	13
256	Catalytic properties of lignin peroxidase ALiP-P3 hosted in reversed micelles. <i>Biochemical Engineering Journal</i> , 2001, 8, 129-134.	3.6	13
257	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, 425-427.	2.2	13
258	Stimuli-responsive nanoparticles composed of naturally occurring amphiphilic proteins. <i>Chemical Communications</i> , 2009, , 5287.	4.1	13
259	A novel double-coating carrier produced by solid-in-oil and solid-in-water nanodispersion technology for delivery of genes and proteins into cells. <i>Journal of Controlled Release</i> , 2012, 161, 713-721.	9.9	13
260	Preparation of affinity membranes using thermally induced phase separation for one-step purification of recombinant proteins. <i>Analytical Biochemistry</i> , 2013, 434, 269-274.	2.4	13
261	Split Spy0128 as a Potent Scaffold for Protein Cross-Linking and Immobilization. <i>Bioconjugate Chemistry</i> , 2013, 24, 242-250.	3.6	13
262	Enzyme-mediated preparation of hydrogels composed of poly(ethylene glycol) and gelatin as cell culture platforms. <i>RSC Advances</i> , 2015, 5, 3070-3073.	3.6	13
263	Transdermal Immunization using Solid-in-oil Nanodispersion with CpG Oligodeoxynucleotide Adjuvants. <i>Pharmaceutical Research</i> , 2015, 32, 1486-1492.	3.5	13
264	Recent advances in protein extraction and chiral separation of biomolecules. <i>Tsinghua Science and Technology</i> , 2006, 11, 193-201.	6.1	12
265	Immobilization of Proteins into Microcapsules and Their Adsorption Properties with Respect to Precious-Metal Ions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 1527-1532.	3.7	12
266	Microplate assay for aptamer-based thrombin detection using a DNA-enzyme conjugate based on histidine-tag chemistry. <i>Analytical Biochemistry</i> , 2012, 421, 541-546.	2.4	12
267	Site-specific conjugation of an antibody-binding protein catalyzed by horseradish peroxidase creates a multivalent protein conjugate with high affinity to IgG. <i>Biotechnology Journal</i> , 2015, 10, 222-226.	3.5	12
268	Liquid Marbles as an Easy-to-Handle Compartment for Cell-Free Synthesis and In Situ Immobilization of Recombinant Proteins. <i>Biotechnology Journal</i> , 2018, 13, 1800085.	3.5	12
269	Extraction of Rare Earth Metals Using Liquid Surfactant Membranes Prepared by a Synthesized Surfactant. <i>Separation Science and Technology</i> , 1995, 30, 3325-3338.	2.5	11
270	Surfactant-histidine-heme ternary complex as a simple artificial heme enzyme in organic media. , 1999, 64, 502-506.		11

#	ARTICLE	IF	CITATIONS
271	Preparation and enzymatic behavior of surfactant-enveloped enzymes for glycosynthesis in nonaqueous aprotic media. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 67, 225-230.	1.8	11
272	DNA-enzyme conjugate with a weak inhibitor that can specifically detect thrombin in a homogeneous medium. <i>Analytical Biochemistry</i> , 2011, 414, 103-108.	2.4	11
273	Analysis of Multiple Solvation Interactions of Methotrexate and Ammonium Based Ionic Liquids Using COSMO-RS. <i>Procedia Engineering</i> , 2016, 148, 459-466.	1.2	11
274	Mechanistic investigation of transcutaneous protein delivery using solid-in-oil nanodispersion: A case study with phycocyanin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 127, 44-50.	4.3	11
275	Enzymatically Prepared Dual Functionalized Hydrogels with Gelatin and Heparin To Facilitate Cellular Attachment and Proliferation. <i>ACS Applied Bio Materials</i> , 2019, 2, 2600-2609.	4.6	11
276	Selective Separation and Recovery of Pt(IV) from Pd(II) through an Imidazolium-ionic-liquid-based Supported Liquid Membrane. <i>Analytical Sciences</i> , 2019, 35, 343-346.	1.6	11
277	Poly(ethylene glycol)-based biofunctional hydrogels mediated by peroxidase-catalyzed cross-linking reactions. <i>Polymer Journal</i> , 2020, 52, 899-911.	2.7	11
278	Solubilization of Calixarenes in an Aliphatic Organic Solvent by Reverse Micelles. <i>Journal of Chemical Engineering of Japan</i> , 2002, 35, 1012-1016.	0.6	11
279	Transdermal Delivery of Antigenic Protein Using Ionic Liquid-Based Nanocarriers for Tumor Immunotherapy. <i>ACS Applied Bio Materials</i> , 2022, 5, 2586-2597.	4.6	11
280	Factors Affecting Protein Transfer into Surfactant-Isooctane Solution: A Case Study of Extraction Behavior of Chemically Modified Cytochrome c. <i>Biotechnology Progress</i> , 1998, 14, 903-908.	2.6	10
281	Activation of manganese peroxidase in an organic medium using a mediator. <i>Biochemical Engineering Journal</i> , 2004, 19, 43-46.	3.6	10
282	Effects of Interfacial Tension and Viscosities of Oil and Water Phases on Monodispersed Droplet Formation Using a Shirasu-porous-glass <sup>1/4</sup> SPG <sup>1/4</sup> Membrane. <i>Membrane</i> , 2006, 31, 215-220.	0.0	10
283	Detection of SNPs in Fish DNA: Application of the Fluorogenic Ribonuclease Protection (FRIP) Assay for the Authentication of Food Contents. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 6246-6251.	5.2	10
284	A Comparative Study of SPG Membrane Emulsification in the Presence and Absence of Continuous-Phase Flow. <i>Journal of Chemical Engineering of Japan</i> , 2009, 42, 520-530.	0.6	10
285	One-Step Synthesis of Cellulose from Cellobiose via Protic Acid-Assisted Enzymatic Dehydration in Aprotic Organic Media. <i>Biomacromolecules</i> , 2012, 13, 2716-2722.	5.4	10
286	S/O-nanodispersion electrospun fiber mesh effective for sustained release of healthy plasmid DNA with the structural and functional integrity. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 1277-1290.	3.5	10
287	Transcutaneous immunotherapy of pollinosis using solid-in-oil nanodispersions loaded with T cell epitope peptides. <i>International Journal of Pharmaceutics</i> , 2017, 529, 401-409.	5.2	10
288	Transcutaneous Cancer Vaccine Using a Reverse Micellar Antigen Carrier. <i>Molecular Pharmaceutics</i> , 2020, 17, 645-655.	4.6	10

#	ARTICLE	IF	CITATIONS
289	Transport of Rhodium(III) from Chloride Media across a Polymer Inclusion Membrane Containing an Ionic Liquid Metal Ion Carrier. <i>ACS Omega</i> , 2020, 5, 12989-12995.	3.5	10
290	Construction of higher-order cellular microstructures by a self-wrapping co-culture strategy using a redox-responsive hydrogel. <i>Scientific Reports</i> , 2020, 10, 6710.	3.3	10
291	Water-in-oil microemulsions composed of monoolein enhanced the transdermal delivery of nicotinamide. <i>International Journal of Cosmetic Science</i> , 2021, 43, 302-310.	2.6	10
292	Needle-free immunization using a solid-in-oil nanodispersion enhanced by a skin-permeable oligoarginine peptide. <i>International Journal of Pharmaceutics</i> , 2013, 458, 334-9.	5.2	10
293	Solvent Extraction Equilibria of Rare Earth Metals by Acidic Organophosphorus Extractants with Bulky Substituents.. <i>Analytical Sciences</i> , 1995, 11, 637-641.	1.6	9
294	Development and Computational Modeling of Novel Bifunctional Organophosphorus Extractants for Lanthanoid Separation. <i>Separation Science and Technology</i> , 1999, 34, 2125-2139.	2.5	9
295	Optical Resolution of Various Amino Acids Using a Supported Liquid Membrane Encapsulating a Surfactant-Protease Complex. <i>Langmuir</i> , 2005, 21, 4674-4679.	3.5	9
296	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, 494-497.	2.1	9
297	Enzymatic synthesis of Z-aspartame in liquefied amino acid substrates. <i>Biochemical Engineering Journal</i> , 2013, 70, 84-87.	3.6	9
298	Separation of Platinum and Palladium from Hydrochloric Acid Solutions with 1-Octyl-3-methylimidazolium Hexafluorophosphate as an Extractant. <i>Journal of Chemical Engineering of Japan</i> , 2014, 47, 666-670.	0.6	9
299	Facile microcapsule fabrication by spray deposition of a supramolecular hydrogel. <i>RSC Advances</i> , 2014, 4, 36097-36100.	3.6	9
300	Mutual Separation of Indium, Gallium, and Zinc with the Amic Acid-type Extractant D2EHAG Containing Glycine and Amide Moieties. <i>Solvent Extraction Research and Development</i> , 2016, 23, 9-18.	0.4	9
301	A Novel Binary Supercooled Liquid Formulation for Transdermal Drug Delivery. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 393-398.	1.4	9
302	Dual-Functionalizable Streptavidin-SpyCatcher-Fused Protein-Polymer Hydrogels as Scaffolds for Cell Culture. <i>ACS Applied Bio Materials</i> , 2020, 3, 7734-7742.	4.6	9
303	Linear Polymerization of Protein by Sterically Controlled Enzymatic Cross-Linking with a Tyrosine-Containing Peptide Loop. <i>ACS Omega</i> , 2020, 5, 5160-5169.	3.5	9
304	Orthogonal Enzymatic Conjugation Reactions Create Chitin Binding Domain Grafted Chitinase Polymers with Enhanced Antifungal Activity. <i>Bioconjugate Chemistry</i> , 2021, 32, 1688-1698.	3.6	9
305	Ionic liquid-biosurfactant blends as effective dispersants for oil spills: Effect of carbon chain length and degree of saturation. <i>Environmental Pollution</i> , 2021, 284, 117119.	7.5	9
306	Amide-functionalised phosphonium-based ionic liquids as ligands for rhodium extraction. <i>RSC Advances</i> , 2021, 11, 9386-9394.	3.6	9

#	ARTICLE	IF	CITATIONS
307	Surfactant-Lipase Complexes Immobilized in PEG Microspheres.. Journal of Chemical Engineering of Japan, 2002, 35, 677-680.	0.6	9
308	Surfactant- $\alpha$ -lactoperoxidase complex catalytically active in organic media. Biochemical Engineering Journal, 2000, 6, 103-107.	3.6	8
309	Facile, rapid and efficient biofabrication of gold nanoparticles decorated with functional proteins. Analyst, The, 2012, 137, 2300.	3.5	8
310	Enzymatic conjugation of multiple proteins on a DNA aptamer in a tail-specific manner. Biotechnology Journal, 2016, 11, 814-823.	3.5	8
311	Cu(II)-Imprinted Chitosan Derivative Containing Carboxyl Groups for the Selective Removal of Cu(II) from Aqueous Solution. Journal of Chemical Engineering of Japan, 2016, 49, 630-634.	0.6	8
312	Mesoscopic Heterogeneity in Pore Size of Supramolecular Networks. Langmuir, 2018, 34, 7503-7508.	3.5	8
313	A nano-sized gel-in-oil suspension for transcutaneous protein delivery. International Journal of Pharmaceutics, 2019, 567, 118495.	5.2	8
314	pH-Responsive Self-Assembly of Designer Aromatic Peptide Amphiphiles and Enzymatic Post-Modification of Assembled Structures. International Journal of Molecular Sciences, 2021, 22, 3459.	4.1	8
315	Metal-Imprinted Microsphere Prepared by surface Template Polymerization with W/O/W Emulsions.. Journal of Chemical Engineering of Japan, 1999, 32, 262-267.	0.6	8
316	Enhancement of the Antifungal Activity of Chitinase by Palmitoylation and the Synergy of Palmitoylated Chitinase with Amphotericin B. ACS Infectious Diseases, 2022, 8, 1051-1061.	3.8	8
317	Reversed micelles recognize an active protein. Biotechnology Letters, 1996, 10, 141-144.	0.5	7
318	Preparation and catalytic performance of surfactant-manganese peroxidase-MnII ternary complex in organic media. Enzyme and Microbial Technology, 2001, 28, 329-332.	3.2	7
319	A chemically modified glass surface that facilitates transglutaminase-mediated protein immobilization. Biotechnology Letters, 2008, 30, 1025-1029.	2.2	7
320	Spectrophotometric assay for protease activity in ionic liquids using chromogenic substrates. Analytical Biochemistry, 2008, 374, 285-290.	2.4	7
321	Task-specific membranes for the isolation of recombinant proteins with peptide tags. RSC Advances, 2012, 2, 125-127.	3.6	7
322	Extraction of Rare-Earth Ions with an 8-Hydroxyquinoline Derivative in an Ionic Liquid. Solvent Extraction Research and Development, 2013, 20, 123-129.	0.4	7
323	Evolution of heterogeneity accompanying sol-gel transitions in a supramolecular hydrogel. Soft Matter, 2017, 13, 7433-7440.	2.7	7
324	Monoolein Assisted Oil-Based Transdermal Delivery of Powder Vaccine. Pharmaceutics, 2020, 12, 814.	4.5	7

#	ARTICLE	IF	CITATIONS
325	Redox-responsive functionalized hydrogel marble for the generation of cellular spheroids. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 416-423.	2.2	7
326	Peptide synthesis by surfactant-chymotrypsin complexes in organic media. <i>Biotechnology Letters</i> , 1997, 11, 25-29.	0.5	6
327	Metal Ion-Imprinted Polymers Prepared by Surface Template Polymerization with Water-in-Oil Emulsions. <i>ACS Symposium Series</i> , 1998, , 278-289.	0.5	6
328	Recent Research Development in Solvent Extraction. Separation of Rare Earth Metals from Waste Television Tubes by Solvent Extraction Containing Calixarene Carboxyl Derivative.. <i>Kagaku Kogaku Ronbunshu</i> , 2000, 26, 506-510.	0.3	6
329	BODIPY-labeled Fluorescent Aptamer Sensors for Turn-on Sensing of Interferon-gamma and Adenine Compounds on Cells. <i>Analytical Sciences</i> , 2016, 32, 543-547.	1.6	6
330	Transcutaneous Delivery of Immunomodulating Pollen Extract-Galactomannan Conjugate by Solid-in-Oil Nanodispersions for Pollinosis Immunotherapy. <i>Pharmaceutics</i> , 2019, 11, 563.	4.5	6
331	Extending the Half-Life of a Protein <i>in Vivo</i> by Enzymatic Labeling with Amphiphilic Lipopeptides. <i>Bioconjugate Chemistry</i> , 2021, 32, 655-660.	3.6	6
332	Lyotropic liquid crystal-based transcutaneous peptide delivery system: Evaluation of skin permeability and potential for transcutaneous vaccination. <i>Acta Biomaterialia</i> , 2022, 138, 273-284.	8.3	6
333	Hydrophobic immiscibility controls self-sorting or co-assembly of peptide amphiphiles. <i>Chemical Communications</i> , 2022, 58, 585-588.	4.1	6
334	Simultaneous visual detection of single-nucleotide variations in tuna DNA using DNA/RNA chimeric probes and ribonuclease A. <i>Analytical Biochemistry</i> , 2009, 389, 6-11.	2.4	5
335	Enzyme-mediated protein refolding. <i>Chemical Communications</i> , 2009, , 7197.	4.1	5
336	Functional glass surface displaying a glutamyl donor substrate for transglutaminase-mediated protein immobilization. <i>Biotechnology Journal</i> , 2010, 5, 456-462.	3.5	5
337	New strategy to enhance catalytic performance of <i>Escherichia coli</i> whole cell biocatalysts harboring P450cam mutants. <i>Biochemical Engineering Journal</i> , 2011, 53, 229-233.	3.6	5
338	The self-assembly and secondary structure of peptide amphiphiles determine the membrane permeation activity. <i>RSC Advances</i> , 2014, 4, 30654-30657.	3.6	5
339	A novel surface-coated nanocarrier for efficient encapsulation and delivery of camptothecin to cells. <i>MedChemComm</i> , 2014, 5, 1515-1519.	3.4	5
340	Supported Liquid Membrane Extraction of Reactive Dye Using Fabricated Polypropylene Membrane. <i>Journal of Chemical Engineering of Japan</i> , 2014, 47, 761-769.	0.6	5
341	Liquid-liquid extraction of enzymatically synthesized functional RNA oligonucleotides using reverse micelles with a DNA-surfactant. <i>Chemical Communications</i> , 2016, 52, 12376-12379.	4.1	5
342	Extraction of Rhodium by Liquid Surfactant Membranes Containing Ionic Liquid as a Carrier from Hydrochloric Acid Solutions. <i>Journal of Chemical Engineering of Japan</i> , 2018, 51, 917-920.	0.6	5

#	ARTICLE	IF	CITATIONS
343	Enhanced Potential of Therapeutic Applications of Curcumin Using Solid-in-Water Nanodispersion Technique. <i>Journal of Chemical Engineering of Japan</i> , 2019, 52, 138-143.	0.6	5
344	Solid-in-oil nanodispersions as a novel delivery system to improve the oral bioavailability of bisphosphate, risedronate sodium. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 155, 105521.	4.0	5
345	Selective Separation of Precious Metals using Biomass Materials. <i>Kagaku Kogaku Ronbunshu</i> , 2010, 36, 255-258.	0.3	5
346	Extraction Behavior of Gold from Hydrochloric Acid Solutions with Ionic Liquids as Extractants. <i>Solvent Extraction Research and Development</i> , 2012, 19, 63-68.	0.4	5
347	Liquid-Liquid Extraction of Cd(II) and Zn(II) Using a Novel Tetraalkylphosphonium-Based Ionic Liquid. <i>Journal of Chemical Engineering of Japan</i> , 2020, 53, 469-476.	0.6	5
348	Design of Swollen Lipidic Cubic Phase to Increase Transcutaneous Penetration of Biomacromolecules. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 54753-54761.	8.0	5
349	Development of Bi-Functional Surfactant for Extraction of Platinum with Liquid Surfactant Membranes. <i>Journal of Chemical Engineering of Japan</i> , 1995, 28, 854-856.	0.6	4
350	A transdermal Delivery System of an Ascorbic Acid Derivative Utilizing Solid-in-Oil Technique. <i>Membrane</i> , 2009, 34, 227-232.	0.0	4
351	Formation and Characterization of Caseinate-Chitosan Nanocomplexes for Encapsulation of Curcumin. <i>Journal of Chemical Engineering of Japan</i> , 2018, 51, 445-453.	0.6	4
352	Solid-in-oil nanodispersions for intranasal vaccination: Enhancement of mucosal and systemic immune responses. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118777.	5.2	4
353	Effective Transcutaneous Delivery of Hyaluronic Acid Using an Easy-to-Prepare Reverse Micelle Formulation. <i>Cosmetics</i> , 2020, 7, 52.	3.3	4
354	A Solid-in-Oil Nanodispersion System for Transcutaneous Immunotherapy of Cow's Milk Allergies. <i>Pharmaceutics</i> , 2020, 12, 205.	4.5	4
355	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.	0.6	4
356	Formation of Ordered Structure in Liquid Phase and Its Use for Materials Design. Characterization and Control of Matrix for Surface Molecular-imprinted Polymer. <i>Kagaku Kogaku Ronbunshu</i> , 2001, 27, 753-755.	0.3	4
357	Leakage Mechanism of Irinotecan from Water-in-Oil-in-Water (W/O/W) Multiple Emulsions. <i>Kagaku Kogaku Ronbunshu</i> , 2003, 29, 294-298.	0.3	4
358	A solid-in-oil-in-water emulsion: An adjuvant-based immune-carrier enhances vaccine effect. <i>Biomaterials</i> , 2022, 282, 121385.	11.4	4
359	Novel Ionic Liquid-Based Aqueous Biphasic System with Amino Acids for Critical Metal Recovery from Lithium-Ion Batteries. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 5306-5313.	3.7	4
360	Novel Synergistic Agent for Selective Separation of Yttrium from Other Rare Earth Metals. <i>Separation Science and Technology</i> , 1995, 30, 2349-2363.	2.5	3



#	ARTICLE	IF	CITATIONS
361	Lipase-Catalyzed Synthesis of Erythritol Oleate.. <i>Kagaku Kogaku Ronbunshu</i> , 1996, 22, 930-934.	0.3	3
362	Editorial: Asia Pacific Biochemical engineering. <i>Biotechnology Journal</i> , 2010, 5, 436-437.	3.5	3
363	One-Step Lactosylation of Hydrophobic Alcohols by Nonaqueous Biocatalysis. <i>ChemCatChem</i> , 2010, 2, 950-952.	3.7	3
364	Activation of <i>Pyrococcus furiosus</i> alkaline phosphatase by divalent metal ions. <i>Biotechnology Letters</i> , 2012, 34, 2055-2060.	2.2	3
365	Biocatalytic Formation of Gold Nanoparticles Decorated with Functional Proteins inside Recombinant <i>Escherichia coli</i> Cells. <i>Analytical Sciences</i> , 2016, 32, 295-300.	1.6	3
366	Application of ionic liquids for rare-earth recovery from waste electric materials. , 2018, , 333-356.		3
367	Complementary interaction with peptide amphiphiles guides size-controlled assembly of small molecules for intracellular delivery. <i>Chemical Communications</i> , 2019, 55, 6997-7000.	4.1	3
368	Ionic Liquids as Active Pharmaceutical Ingredients (APIs). , 2021, , 13-33.		3
369	Self-Assembled Palmitoyl-Glycine-Histidine as a Permeation Enhancer for Transdermal Delivery. <i>Langmuir</i> , 2021, 37, 8971-8977.	3.5	3
370	Important Factors Affecting Enzymatic Functions of PEG Microspheres Containing Lipase Complexes. <i>Journal of Chemical Engineering of Japan</i> , 2005, 38, 54-59.	0.6	3
371	Bi-Functional Organophosphorus Extractants and Computational Modeling for Copper(II) and Zinc(II) Extraction.. <i>Analytical Sciences</i> , 1999, 15, 651-656.	1.6	2
372	Emulsion-based Drug Delivery Systems. <i>Membrane</i> , 2004, 29, 98-104.	0.0	2
373	Development of a novel immobilization method for enzymes from hyperthermophiles. <i>Biotechnology Letters</i> , 2009, 31, 1037-1041.	2.2	2
374	Fluorogenic Ribonuclease Protection (FRIP) Analysis of Single Nucleotide Polymorphisms (SNPs) in Japanese Rice ( <i>Oryza sativa</i> L.) DNA for Cultivar Discrimination. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 2189-2193.	1.3	2
375	Molecular Assembly-Assisted Biocatalytic Reactions in Ionic Liquids. <i>Methods in Molecular Biology</i> , 2011, 743, 37-49.	0.9	2
376	Oil Gel Sheets Utilizing Solid-in-Oil Technique. <i>Membrane</i> , 2011, 36, 57-62.	0.0	2
377	Conjugation of enzymes on RNA probes through Cu(I) catalyzed alkyne-azide cycloaddition. <i>Biotechnology Journal</i> , 2011, 6, 470-476.	3.5	2
378	Enzymatic self-sacrificial display of an active protein on gold nanoparticles. <i>RSC Advances</i> , 2014, 4, 5995.	3.6	2



#	ARTICLE	IF	CITATIONS
379	High yield hydrolysis of seaweed-waste biomass using peracetic acid and ionic liquid treatments. AIP Conference Proceedings, 2018, , .	0.4	2
380	Effect of macromolecular crowding on the conformational behaviour of a porphyrin rotor. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 369, 115-118.	3.9	2
381	Recovery of Cobalt and Manganese from Spent Lithium-ion Batteries using a Phosphonium-based Ionic Liquid. Solvent Extraction Research and Development, 2021, 28, 79-93.	0.4	2
382	Ionic Liquids for Increasing the Solubility of Sparingly Soluble Drug Molecules. , 2021, , 51-70.		2
383	Synthesis and determination of Surface tension of 1-butyl-3-methylimidazolium lauroyl sarcosinate IL and Tween 80. Journal of Physics: Conference Series, 2021, 1793, 012045.	0.4	2
384	Surface-Active Ionic Liquids for Medical and Pharmaceutical Applications. , 2021, , 165-186.		2
385	Transcutaneous Immunization Using Nano-sized Drug Carriers. Methods in Pharmacology and Toxicology, 2016, , 349-367.	0.2	2
386	Solvent Extraction and Stripping of Lanthanides into Ionic Liquids with a Multidentate Ligand. Journal of Ion Exchange, 2007, 18, 370-373.	0.3	2
387	æœ%œ©ÿæªããé«æ»æ€Šä,'ç™ºç³/4ãªã,ç•Ééæ»æ€Šä%ãã,1ãf-ãfãã,ãf³èãã1/2“ã®èã;è£1/2ãã®ããç%œ¹æ€Š. Kagaku		
388	Molecular Design of Highly Efficient Extractants for Separation of Lanthanides and Actinides by Computational Chemistry. Kagaku Kogaku Ronbunshu, 2006, 32, 1-5.	0.3	2
389	Extraction of metals with liquid membranes.. Sekiyu Gakkaishi (Journal of the Japan Petroleum Institute) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10 0.1 2		
390	Facile fabrication of a phosphonium-based ionic liquid impregnated chitosan adsorbent for the recovery of hexavalent chromium. RSC Advances, 2022, 12, 11207-11215.	3.6	2
391	Preparation of amphotericin B-loaded hybrid liposomes and the integration of chitin-binding proteins for enhanced antifungal activity. Journal of Bioscience and Bioengineering, 2022, 134, 259-263.	2.2	2
392	Adsorption and Desorption of Rare Earth Ions with Polyacrylic Acid Synthesized by Plasma-initiated Polymerization.. Sekiyu Gakkaishi (Journal of the Japan Petroleum Institute), 1993, 36, 334-338.	0.1	1
393	Preparation of Surfactant-Enzyme Complex Utilizing Water-in-Oil Emulsion.. Kagaku Kogaku Ronbunshu, 1997, 23, 607-609.	0.3	1
394	Separation of Gold(III) in Acidic Chloride Solution Using Porous Polymeric Ionic Liquid Gel. Journal of Chemical Engineering of Japan, 2015, 48, 197-201.	0.6	1
395	Transdermal protein delivery and immunization by a solid-in-oil nanodispersion technique. Drug Delivery System, 2017, 32, 176-183.	0.0	1
396	Multifunctional Effect of the Polymer Extractant Thiomethylbenzoxazol-1±-Methylstyrene on the Extraction of Au(III). Solvent Extraction Research and Development, 2019, 26, 91-98.	0.4	1

#	ARTICLE	IF	CITATIONS
397	Solid-in-Oil Nanodispersions for Transcutaneous Immunotherapy of Japanese Cedar Pollinosis. <i>Pharmaceutics</i> , 2020, 12, 240.	4.5	1
398	Strategies for Making Multimeric and Polymeric Bifunctional Protein Conjugates and Their Applications as Bioanalytical Tools. <i>Analytical Sciences</i> , 2021, 37, 425-437.	1.6	1
399	Permeation Rate of Charged Solutes through an Oil Phase Using Tetraglycerin-Condensed Ricinolate as a Lipophilic Surfactant in a Monodispersed W/O Emulsion Mixture System. <i>Kagaku Kogaku Ronbunshu</i> , 2004, 30, 488-493.	0.3	1
400	Lithium Isotopic Fractionations in the Solvent Extraction by Ion-exchange-type Extractants with Different Ion Selectivity.. <i>Journal of Ion Exchange</i> , 2001, 12, 2-5.	0.3	1
401	Development of a Microbioreactor for Degradation of Environmental Pollutants.. <i>Kagaku Kogaku Ronbunshu</i> , 2003, 29, 82-86.	0.3	1
402	Reversed Micelles as Novel Protein Refolding Media. <i>ACS Symposium Series</i> , 1999, , 374-383.	0.5	0
403	Facile and direct synthesis of long-chain chitin from chitobiose via proton-assisted nonaqueous biocatalysis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 87, 69-74.	1.8	0
404	Related Topic: Solid-in-Oil Technique to Increase Skin Permeation. , 2017, , 225-232.		0
405	Recent advances of ionic liquids for transdermal drug delivery systems. <i>Drug Delivery System</i> , 2018, 33, 303-310.	0.0	0
406	Drug Delivery System Using a Solid-in-oil-in-water (S/O/W) Multiple Emulsion. <i>Oleosience</i> , 2019, 19, 191-196.	0.0	0
407	Development of Transdermal Vaccines for Pollinosis Immunotherapy Using Oil Based Nanodispersion Carriers Containing Antigen Epitopes. <i>Membrane</i> , 2021, 46, 226-232.	0.0	0
408	Design Principles for Ionic Liquids in Drug Delivery Systems. , 2021, , 1-12.		0
409	Ionic Liquid-Based Oral Drug Delivery Systems. , 2021, , 91-112.		0
410	Anti-pollution Effects of Self-assembled Fibers Prepared from a Palmitoyl-glycine-histidine Amphiphile. <i>Chemistry Letters</i> , 2021, 50, 1938-1940.	1.3	0
411	Current Advances of Transdermal Drug Delivery Systems Using Ionic Liquids. <i>Membrane</i> , 2021, 46, 300-305.	0.0	0
412	Formation of Ordered Structure in Liquid Phase and Its Use for Materials Design. Liquid-Liquid Extraction of Oligonucleotides by Cationic Surfactants.. <i>Kagaku Kogaku Ronbunshu</i> , 2001, 27, 714-718.	0.3	0
413	Bioseparation Engineering. Selective Extraction of Active .ALPHA.-Chymotrypsin by Reversed Micelles.. <i>Kagaku Kogaku Ronbunshu</i> , 2001, 27, 181-185.	0.3	0
414	Mutation Analysis Utilizing DNA Intercalation in Reversed Micelles.. <i>Kagaku Kogaku Ronbunshu</i> , 2002, 28, 776-778.	0.3	0

#	ARTICLE	IF	CITATIONS
415	Molecularly Imprinted Resins for Chiral Separation of Amino Acids. <i>Journal of Ion Exchange</i> , 2003, 14, 329-332.	0.3	0
416	Solvent Extraction of Rare Earth Metals by Microchannel Extractor. <i>Journal of Ion Exchange</i> , 2003, 14, 361-364.	0.3	0
417	Li(I) Selective Adsorption by Means of Organic Resins Imprinted with Fluorine-containing .BETA.-Diketone and Neutral Phosphorus Compound. <i>Journal of Ion Exchange</i> , 2003, 14, 333-336.	0.3	0
418	Efficient Refolding of Inclusion Bodies by Reversed Micelles. <i>Kagaku Kogaku Ronbunshu</i> , 2004, 30, 468-473.	0.3	0
419	Solid-phase Peptide Synthesis in a Microfluidic Device. <i>Kagaku Kogaku Ronbunshu</i> , 2004, 30, 180-182.	0.3	0
420	Commercialization of New Cosmetics VIVCO by Using Solid-in-Oil (S/O <sup>reg</sup> ) Nano-Coating Technique for Pharmaceutical Ingredients. <i>Membrane</i> , 2012, 37, 159-161.	0.0	0
421	Transdermal Drug Delivery System Based on Solid-in-Oil technique. <i>Oleosience</i> , 2012, 12, 327-331.	0.0	0
422	Development of High-Efficient Ion Exchange Materials by Utilizing Biological Functions and Biomaterials. <i>Journal of Ion Exchange</i> , 2016, 27, 33-41.	0.3	0
423	“Original Contribution” Skin Permeation Enhancement of Bioactive Macromolecules by Reverse Micelles. <i>Membrane</i> , 2019, 44, 130-135.	0.0	0
424	Solid-in-Oil Nanodispersion Technique for Transdermal Drug Delivery System of Biopharmaceutical Molecules. <i>Oleosience</i> , 2022, 22, 121-126.	0.0	0
425	Effects of Operational Conditions on the Extraction of Rhodium by Liquid Surfactant Membranes Containing Imidazolium Cations as a Carrier. <i>Kagaku Kogaku Ronbunshu</i> , 2022, 48, 81-85.	0.3	0