Masahiro Goto

List of Publications by Year in Descending Order

417 papers	11,210 citations	52 h-index	86 g-index
429 ext. papers	12,530 ext. citations	4.3 avg, IF	6.68 L-index

#	Paper	IF	Citations
417	A solid-in-oil-in-water emulsion: An adjuvant-based immune-carrier enhances vaccine effect.. *Biomaterials*, **2022**, 282, 121385	15.6	1
416	Extraction of salicylic acid from wastewater using ionic liquid-based green emulsion liquid membrane: COSMO-RS prediction and experimental verification. *Journal of Molecular Liquids*, **2022**, 347, 118280	6	6
415	DFT-Based investigation of Amic Acid extractants and their application to the recovery of Ni and Co from spent automotive Lithium Ion batteries. *Separation and Purification Technology*, **2022**, 281, 119898	8.3	4
414	Solid-in-Oil Nanodispersion Technique for Transdermal Drug Delivery System of Biopharmaceutical Molecules. *Oleoscience*, **2022**, 22, 121-126	0.1	
413	Facile fabrication of a phosphonium-based ionic liquid impregnated chitosan adsorbent for the recovery of hexavalent chromium.. *RSC Advances*, **2022**, 12, 11207-11215	3.7	1
412	Novel Ionic Liquid-Based Aqueous Biphasic System with Amino Acids for Critical Metal Recovery from Lithium-Ion Batteries. *Industrial & Engineering Chemistry Research*, **2022**, 61, 5306-5313	3.9	0
411	Ionic Liquid and Tween-80 Mixture as an Effective Dispersant for Oil Spills: Toxicity, Biodegradability, and Optimization.. *ACS Omega*, **2022**, 7, 15751-15759	3.9	2
410	Effects of Operational Conditions on the Extraction of Rhodium by Liquid Surfactant Membranes Containing Imidazolium Cations as a Carrier. *Kagaku Kogaku Ronbunshu*, **2022**, 48, 81-85	0.4	
409	Cellulose nanocrystals preparation from microcrystalline cellulose using ionic liquid-DMSO binary mixture as a processing medium. *Journal of Molecular Liquids*, **2021**, 118208	6	1
408	Amino Acid Ester based Phenolic Ionic Liquids as a Potential Solvent for the Bioactive Compound Luteolin: Synthesis, Characterization, and Food Preservation Activity. *Journal of Molecular Liquids*, **2021**, 349, 118103	6	2
407	Design of Swollen Lipidic Cubic Phase to Increase Transcutaneous Penetration of Biomacromolecules. *ACS Applied Materials & Interfaces*, **2021**, 13, 54753-54761	9.5	0
406	Current Advances of Transdermal Drug Delivery Systems Using Ionic Liquids. *Membrane*, **2021**, 46, 300-305	0.5	
405	Recent advances in surface-active ionic liquid-assisted self-assembly systems for drug delivery. *Current Opinion in Colloid and Interface Science*, **2021**, 56, 101515	7.6	6
404	Strategies for Making Multimeric and Polymeric Bifunctional Protein Conjugates and Their Applications as Bioanalytical Tools. *Analytical Sciences*, **2021**, 37, 425-437	1.7	1
403	Water-in-oil microemulsions composed of monoolein enhanced the transdermal delivery of nicotinamide. *International Journal of Cosmetic Science*, **2021**, 43, 302-310	2.7	2
402	Extending the Half-Life of a Protein by Enzymatic Labeling with Amphiphilic Lipopeptides. *Bioconjugate Chemistry*, **2021**, 32, 655-660	6.3	0
401	pH-Responsive Self-Assembly of Designer Aromatic Peptide Amphiphiles and Enzymatic Post-Modification of Assembled Structures. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1

400	Biocompatible Ionic Liquid-Mediated Micelles for Enhanced Transdermal Delivery of Paclitaxel. *ACS Applied Materials & Interfaces*, **2021**, 13, 19745-19755	9.5	18
399	Biocompatible ionic liquids assisted transdermal co-delivery of antigenic protein and adjuvant for cancer immunotherapy. *International Journal of Pharmaceutics*, **2021**, 601, 120582	6.5	9
398	Recovery of platinum group metals from a spent automotive catalyst using polymer inclusion membranes containing an ionic liquid carrier. *Journal of Membrane Science*, **2021**, 629, 119296	9.6	7
397	Favipiravir-Based Ionic Liquids as Potent Antiviral Drugs for Oral Delivery: Synthesis, Solubility, and Pharmacokinetic Evaluation. *Molecular Pharmaceutics*, **2021**, 18, 3108-3115	5.6	5
396	Facilitating enzymatic reactions by using ionic liquids: A mini review. *Current Opinion in Green and Sustainable Chemistry*, **2021**, 27, 100406	7.9	13
395	Co-amorphous formation of piroxicam-citric acid to generate supersaturation and improve skin permeation. *European Journal of Pharmaceutical Sciences*, **2021**, 158, 105667	5.1	8
394	Development of Transdermal Vaccines for Pollinosis Immunotherapy Using Oil Based Nanodispersion Carriers Containing Antigen Epitopes. *Membrane*, **2021**, 46, 226-232	0	
393	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	0.7	1
392	Design Principles for Ionic Liquids in Drug Delivery Systems **2021**, 1-12		
391	Ionic Liquids for Increasing the Solubility of Sparingly Soluble Drug Molecules **2021**, 51-70		0
390	Ionic Liquids as Active Pharmaceutical Ingredients (APIs) **2021**, 13-33		0
389	Ionic Liquid-Based Oral Drug Delivery Systems **2021**, 91-112		
388	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	0.3	
387	Self-Assembled Palmitoyl-Glycine-Histidine as a Permeation Enhancer for Transdermal Delivery. *Langmuir*, **2021**, 37, 8971-8977	4	1
386	Orthogonal Enzymatic Conjugation Reactions Create Chitin Binding Domain Grafted Chitinase Polymers with Enhanced Antifungal Activity. *Bioconjugate Chemistry*, **2021**, 32, 1688-1698	6.3	2
385	An ionic liquid extractant dissolved in an ionic liquid diluent for selective extraction of Li(I) from salt lakes. *Desalination*, **2021**, 509, 115073	10.3	3
384	Lipid-Based Ionic-Liquid-Mediated Nanodispersions as Biocompatible Carriers for the Enhanced Transdermal Delivery of a Peptide Drug.. *ACS Applied Bio Materials*, **2021**, 4, 6256-6267	4.1	8
383	Insulin Transdermal Delivery System for Diabetes Treatment Using a Biocompatible Ionic Liquid-Based Microemulsion. *ACS Applied Materials & Interfaces*, **2021**, 13, 42461-42472	9.5	11

382	Ionic liquid-biosurfactant blends as effective dispersants for oil spills: Effect of carbon chain length and degree of saturation. *Environmental Pollution*, **2021**, 284, 117119	9.3	4
381	Methotrexate-based ionic liquid as a potent anticancer drug for oral delivery: In vivo pharmacokinetics, biodistribution, and antitumor efficacy. *International Journal of Pharmaceutics*, **2021**, 608, 121129	6.5	5
380	Surface active ionic liquid and Tween-80 blend as an effective dispersant for crude oil spill remediation. *Environmental Technology and Innovation*, **2021**, 24, 101868	7	5
379	Development and optimization of ionic liquid-based emulsion liquid membrane process for efficient recovery of lactic acid from aqueous streams. *Biochemical Engineering Journal*, **2021**, 176, 108216	4.2	7
378	Surface-Active Ionic Liquids for Medical and Pharmaceutical Applications **2021**, 165-186		0
377	Synergistic Deep Eutectic Solvents for Lithium Extraction. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 2152-2160	8.3	13
376	Amide-functionalised phosphonium-based ionic liquids as ligands for rhodium(iii) extraction.. *RSC Advances*, **2021**, 11, 9386-9394	3.7	2
375	Dual-Functionalizable Streptavidin-SpyCatcher-Fused Protein-Polymer Hydrogels as Scaffolds for Cell Culture.. *ACS Applied Bio Materials*, **2020**, 3, 7734-7742	4.1	3
374	Transport of Rhodium(III) from Chloride Media across a Polymer Inclusion Membrane Containing an Ionic Liquid Metal Ion Carrier. *ACS Omega*, **2020**, 5, 12989-12995	3.9	5
373	Poly(ethylene glycol)-based biofunctional hydrogels mediated by peroxidase-catalyzed cross-linking reactions. *Polymer Journal*, **2020**, 52, 899-911	2.7	4
372	Biocompatible Ionic Liquid Surfactant-Based Microemulsion as a Potential Carrier for Sparingly Soluble Drugs. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 6263-6272	8.3	39
371	Linear Polymerization of Protein by Sterically Controlled Enzymatic Cross-Linking with a Tyrosine-Containing Peptide Loop. *ACS Omega*, **2020**, 5, 5160-5169	3.9	6
370	Solid-in-Oil Nanodispersions for Transcutaneous Immunotherapy of Japanese Cedar Pollinosis. *Pharmaceutics*, **2020**, 12,	6.4	1
369	A Solid-in-Oil Nanodispersion System for Transcutaneous Immunotherapy of Cow's Milk Allergies. *Pharmaceutics*, **2020**, 12,	6.4	3
368	Redox-responsive functionalized hydrogel marble for the generation of cellular spheroids. *Journal of Bioscience and Bioengineering*, **2020**, 130, 416-423	3.3	3
367	An environmentally benign ionic liquid based formulation for enhanced oil spill remediation: Optimization of environmental factors. *Journal of Molecular Liquids*, **2020**, 314, 113603	6	8
366	Construction of higher-order cellular microstructures by a self-wrapping co-culture strategy using a redox-responsive hydrogel. *Scientific Reports*, **2020**, 10, 6710	4.9	6
365	Ionic Liquid-In-Oil Microemulsions Prepared with Biocompatible Choline Carboxylic Acids for Improving the Transdermal Delivery of a Sparingly Soluble Drug. *Pharmaceutics*, **2020**, 12,	6.4	34

364	Application of Ionic Liquids in Solvent Extraction of Platinum Group Metals. *Solvent Extraction Research and Development*, **2020**, 27, 1-24	0.7	12
363	Liquid□liquid Extraction of Cd(II) and Zn(II) Using a Novel Tetraalkylphosphonium-Based Ionic Liquid. *Journal of Chemical Engineering of Japan*, **2020**, 53, 469-476	0.8	3
362	An Overview on the Toxicological Properties of Ionic Liquids toward Microorganisms. *Biotechnology Journal*, **2020**, 15, e1900073	5.6	33
361	Recent advances of enzymatic reactions in ionic liquids: Part II. *Biochemical Engineering Journal*, **2020**, 154, 107426	4.2	37
360	A Novel Binary Supercooled Liquid Formulation for Transdermal Drug Delivery. *Biological and Pharmaceutical Bulletin*, **2020**, 43, 393-398	2.3	8
359	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	6	33
358	Lipid based biocompatible ionic liquids: synthesis, characterization and biocompatibility evaluation. *Chemical Communications*, **2020**, 56, 13756-13759	5.8	13
357	Solid-in-oil nanodispersions as a novel delivery system to improve the oral bioavailability of bisphosphate, risedronate sodium. *European Journal of Pharmaceutical Sciences*, **2020**, 155, 105521	5.1	2
356	Biocompatible Ionic Liquid Enhances Transdermal Antigen Peptide Delivery and Preventive Vaccination Effect. *Molecular Pharmaceutics*, **2020**, 17, 3845-3856	5.6	17
355	Formation and potential application of micelles composed of biocompatible N-lauroyl-amino acid ionic liquids surfactant. *Journal of Molecular Liquids*, **2020**, 320, 114424	6	14
354	Selective Separation of Platinum Group Metals via Sequential Transport through Polymer Inclusion Membranes Containing an Ionic Liquid Carrier. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 11283-11291	8.3	12
353	Effective Transcutaneous Delivery of Hyaluronic Acid Using an Easy-to-Prepare Reverse Micelle Formulation. *Cosmetics*, **2020**, 7, 52	2.7	2
352	Ionic liquid polymer materials with tunable nanopores controlled by surfactant aggregates: a novel approach for CO2 capture. *Journal of Materials Chemistry A*, **2020**, 8, 15034-15041	13	9
351	Design and Characterization of Fatty Acid-Based Amino Acid Ester as a New □Green□Hydrophobic Ionic Liquid for Drug Delivery. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 13660-13671	8.3	24
350	Monoolein Assisted Oil-Based Transdermal Delivery of Powder Vaccine. *Pharmaceutics*, **2020**, 12,	6.4	3
349	Biocompatible ionic liquids and their applications in pharmaceutics. *Green Chemistry*, **2020**, 22, 8116-8139	10	65
348	Transcutaneous Cancer Vaccine Using a Reverse Micellar Antigen Carrier. *Molecular Pharmaceutics*, **2020**, 17, 645-655	5.6	5
347	Choline and amino acid based biocompatible ionic liquid mediated transdermal delivery of the sparingly soluble drug acyclovir. *International Journal of Pharmaceutics*, **2020**, 582, 119335	6.5	25

346	Screening of ionic liquids for the extraction of biologically active compounds using emulsion liquid membrane: COSMO-RS prediction and experiments. *Journal of Molecular Liquids*, **2020**, 309, 113122	6	22
345	Multifunctional Effect of the Polymer Extractant Thiomethylbenzoxazoyl-Methylstyrene on the Extraction of Au(III). *Solvent Extraction Research and Development*, **2019**, 26, 91-98	0.7	1
344	Ionic liquids with methotrexate moieties as a potential anticancer prodrug: Synthesis, characterization and solubility evaluation. *Journal of Molecular Liquids*, **2019**, 278, 226-233	6	47
343	Designer aromatic peptide amphiphiles for self-assembly and enzymatic display of proteins with morphology control. *Chemical Communications*, **2019**, 55, 640-643	5.8	18
342	Self-Assembled Reduced Albumin and Glycol Chitosan Nanoparticles for Paclitaxel Delivery. *Langmuir*, **2019**, 35, 2610-2618	4	11
341	Development of a novel ionic liquid-curcumin complex to enhance its solubility, stability, and activity. *Chemical Communications*, **2019**, 55, 7737-7740	5.8	33
340	Enzymatically Prepared Dual Functionalized Hydrogels with Gelatin and Heparin To Facilitate Cellular Attachment and Proliferation.. *ACS Applied Bio Materials*, **2019**, 2, 2600-2609	4.1	6
339	In vivo biocompatibility, pharmacokinetics, antitumor efficacy, and hypersensitivity evaluation of ionic liquid-mediated paclitaxel formulations. *International Journal of Pharmaceutics*, **2019**, 565, 219-226	6.5	24
338	Complementary interaction with peptide amphiphiles guides size-controlled assembly of small molecules for intracellular delivery. *Chemical Communications*, **2019**, 55, 6997-7000	5.8	1
337	Enhanced Potential of Therapeutic Applications of Curcumin Using Solid-in-Water Nanodispersion Technique. *Journal of Chemical Engineering of Japan*, **2019**, 52, 138-143	0.8	4
336	Transcutaneous Codelivery of Tumor Antigen and Resiquimod in Solid-in-Oil Nanodispersions Promotes Antitumor Immunity. *ACS Biomaterials Science and Engineering*, **2019**, 5, 2297-2306	5.5	10
335	Synthesis and characterization of choline-fatty-acid-based ionic liquids: A new biocompatible surfactant. *Journal of Colloid and Interface Science*, **2019**, 551, 72-80	9.3	64
334	Enzymatic Cell-Surface Decoration with Proteins using Amphiphilic Lipid-Fused Peptide Substrates. *Chemistry - A European Journal*, **2019**, 25, 7315-7321	4.8	7
333	Polymerization of Horseradish Peroxidase by a Laccase-Catalyzed Tyrosine Coupling Reaction. *Biotechnology Journal*, **2019**, 14, e1800531	5.6	7
332	A binary mixture of a biosurfactant and an ionic liquid surfactant as a green dispersant for oil spill remediation. *Journal of Molecular Liquids*, **2019**, 280, 111-119	6	47
331	Application of a Novel Phosphonium-Based Ionic Liquid to the Separation of Platinum Group Metals from Automobile Catalyst Leach Liquor. *Industrial & Engineering Chemistry Research*, **2019**, 58, 3845-3852	3.8	24
330	Ionic Liquid Pretreatment of Lignocellulosic Biomass for Enhanced Enzymatic Delignification. *Advances in Biochemical Engineering/Biotechnology*, **2019**, 168, 61-77	1.7	9
329	New insight into transdermal drug delivery with supersaturated formulation based on co-amorphous system. *International Journal of Pharmaceutics*, **2019**, 569, 118582	6.5	14

328	A nano-sized gel-in-oil suspension for transcutaneous protein delivery. *International Journal of Pharmaceutics*, **2019**, 567, 118495	6.5	6
327	Drug Delivery System Using a Solid-in-oil-in-water (S/O/W) Multiple Emulsion. *Oleoscience*, **2019**, 19, 191-196	0.26	
326	Solid-in-oil nanodispersions for intranasal vaccination: Enhancement of mucosal and systemic immune responses. *International Journal of Pharmaceutics*, **2019**, 572, 118777	6.5	0
325	Transcutaneous Delivery of Immunomodulating Pollen Extract-Galactomannan Conjugate by Solid-in-Oil Nanodispersions for Pollinosis Immunotherapy. *Pharmaceutics*, **2019**, 11,	6.4	5
324	Antigen delivery targeted to tumor-associated macrophages overcomes tumor immune resistance. *Journal of Clinical Investigation*, **2019**, 129, 1278-1294	15.9	62
323	?Original Contribution?Skin Permeation Enhancement of Bioactive Macromolecules by Reverse Micelles. *Membrane*, **2019**, 44, 130-135	0	
322	Selective Recovery of Platinum Group Metals from Spent Automotive Catalysts by Leaching and Solvent Extraction. *Journal of Chemical Engineering of Japan*, **2019**, 52, 835-842	0.8	13
321	Separation of Palladium(II) and Rhodium(III) Using a Polymer Inclusion Membrane Containing a Phosphonium-Based Ionic Liquid Carrier. *Industrial & Engineering Chemistry Research*, **2019**, 58, 22334-22342	3.9	16
320	Separation and Recovery of Scandium from Sulfate Media by Solvent Extraction and Polymer Inclusion Membranes with Amic Acid Extractants. *ACS Omega*, **2019**, 4, 21122-21130	3.9	9
319	A Novel Binary-Extractant-Impregnated Resin for Selective Recovery of Scandium. *Journal of Chemical Engineering of Japan*, **2019**, 52, 49-55	0.8	7
318	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	9.6	31
317	Selective Separation and Recovery of Pt(IV) from Pd(II) through an Imidazolium-ionic-liquid-based Supported Liquid Membrane. *Analytical Sciences*, **2019**, 35, 343-346	1.7	10
316	Effect of macromolecular crowding on the conformational behaviour of a porphyrin rotor. *Journal of Photochemistry and Photobiology A: Chemistry*, **2019**, 369, 115-118	4.7	2
315	Recovery of gold ions from discarded mobile phone leachate by solvent extraction and polymer inclusion membrane (PIM) based separation using an amic acid extractant. *Separation and Purification Technology*, **2019**, 214, 156-161	8.3	40
314	A polymer inclusion membrane composed of the binary carrier PC-88A and Versatic 10 for the selective separation and recovery of Sc.. *RSC Advances*, **2018**, 8, 8631-8637	3.7	15
313	Genipin-stabilized caseinate-chitosan nanoparticles for enhanced stability and anti-cancer activity of curcumin. *Colloids and Surfaces B: Biointerfaces*, **2018**, 164, 308-315	6	23
312	Solid-in-Oil Peptide Nanocarriers for Transcutaneous Cancer Vaccine Delivery against Melanoma. *Molecular Pharmaceutics*, **2018**, 15, 955-961	5.6	21
311	Mechanistic investigation of transcutaneous protein delivery using solid-in-oil nanodispersion: A case study with phycocyanin. *European Journal of Pharmaceutics and Biopharmaceutics*, **2018**, 127, 44-50	5.7	5

310	Solvent extraction of Pt(IV), Pd(II), and Rh(III) with the ionic liquid trioctyl(dodecyl) phosphonium chloride. *Journal of Chemical Technology and Biotechnology*, **2018**, 93, 1714-1721	3.5	36
309	Application of ionic liquids for rare-earth recovery from waste electric materials **2018**, 333-356		3
308	Characterization and cytotoxicity evaluation of biocompatible amino acid esters used to convert salicylic acid into ionic liquids. *International Journal of Pharmaceutics*, **2018**, 546, 31-38	6.5	50
307	High yield hydrolysis of seaweed-waste biomass using peracetic acid and ionic liquid treatments **2018**,		2
306	Laccase-catalyzed bioconjugation of tyrosine-tagged functional proteins. *Journal of Bioscience and Bioengineering*, **2018**, 126, 559-566	3.3	9
305	Recent advances of ionic liquids for transdermal drug delivery systems. *Drug Delivery System*, **2018**, 33, 303-310	0	
304	Extraction of Rhodium by Liquid Surfactant Membranes Containing Ionic Liquid as a Carrier from Hydrochloric Acid Solutions. *Journal of Chemical Engineering of Japan*, **2018**, 51, 917-920	0.8	2
303	Formation and Characterization of Caseinate□Chitosan Nanocomplexes for Encapsulation of Curcumin. *Journal of Chemical Engineering of Japan*, **2018**, 51, 445-453	0.8	3
302	Design of Lipid-Protein Conjugates Using Amphiphilic Peptide Substrates of Microbial Transglutaminase.. *ACS Applied Bio Materials*, **2018**, 1, 1823-1829	4.1	10
301	Selective Extraction of Scandium by a Long Alkyl Chain Carboxylic Acid/Organophosphonic Ester Binary Extractant. *Solvent Extraction and Ion Exchange*, **2018**, 36, 647-657	2.5	15
300	Liquid Marbles as an Easy-to-Handle Compartment for Cell-Free Synthesis and In Situ Immobilization of Recombinant Proteins. *Biotechnology Journal*, **2018**, 13, e1800085	5.6	6
299	Ionic-Liquid-Based Paclitaxel Preparation: A New Potential Formulation for Cancer Treatment. *Molecular Pharmaceutics*, **2018**, 15, 2484-2488	5.6	71
298	Mesoscopic Heterogeneity in Pore Size of Supramolecular Networks. *Langmuir*, **2018**, 34, 7503-7508	4	7
297	Aggregation behavior and antimicrobial activity of a micellar system of binary ionic liquids. *Journal of Molecular Liquids*, **2018**, 266, 568-576	6	29
296	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	3.2	52
295	Transcutaneous pollinosis immunotherapy using a solid-in-oil nanodispersion system carrying T cell epitope peptide and R848. *Bioengineering and Translational Medicine*, **2017**, 2, 102-108	14.8	9
294	Protein-Grafted Polymers Prepared Through a Site-Specific Conjugation by Microbial Transglutaminase for an Immunosorbent Assay. *Biomacromolecules*, **2017**, 18, 422-430	6.9	25
293	Evolution of heterogeneity accompanying sol-gel transitions in a supramolecular hydrogel. *Soft Matter*, **2017**, 13, 7433-7440	3.6	7

292	Extraction and Separation of Pt and Pd by an Imidazolium-Based Ionic Liquid Combined with Phosphonium Chloride. *Solvent Extraction Research and Development*, **2017**, 24, 97-104	0.7	15
291	Transdermal protein delivery and immunization by a solid-in-oil nanodispersion technique. *Drug Delivery System*, **2017**, 32, 176-183	0	
290	Extraction and Stripping Behavior of Platinum Group Metals Using an Amic-Acid-Type Extractant. *Journal of Chemical Engineering of Japan*, **2017**, 50, 521-526	0.8	16
289	Transcutaneous immunotherapy of pollinosis using solid-in-oil nanodispersions loaded with T cell epitope peptides. *International Journal of Pharmaceutics*, **2017**, 529, 401-409	6.5	7
288	Solubility of acyclovir in nontoxic and biodegradable ionic liquids: COSMO-RS prediction and experimental verification. *Journal of Molecular Liquids*, **2017**, 243, 124-131	6	36
287	Production of sophorolipids by Starmerella bombicola yeast using new hydrophobic substrates. *Biochemical Engineering Journal*, **2017**, 127, 60-67	4.2	35
286	Related Topic: Solid-in-Oil Technique to Increase Skin Permeation **2017**, 225-232		
285	Primary Amine-Clustered DNA Aptamer for DNA-Protein Conjugation Catalyzed by Microbial Transglutaminase. *Bioconjugate Chemistry*, **2017**, 28, 2954-2961	6.3	22
284	Ionic Liquid-Based Extraction and the Application to Liquid Membrane Separation of Rare Earth Metals. *Green Chemistry and Sustainable Technology*, **2016**, 73-83	1.1	1
283	Solid-in-oil nanodispersions for transdermal drug delivery systems. *Biotechnology Journal*, **2016**, 11, 1375-1385	5.6	24
282	Biocatalytic Formation of Gold Nanoparticles Decorated with Functional Proteins inside Recombinant Escherichia coli Cells. *Analytical Sciences*, **2016**, 32, 295-300	1.7	3
281	BODIPY-labeled Fluorescent Aptamer Sensors for Turn-on Sensing of Interferon-gamma and Adenine Compounds on Cells. *Analytical Sciences*, **2016**, 32, 543-7	1.7	4
280	Ionic liquids as a potential tool for drug delivery systems. *MedChemComm*, **2016**, 7, 1881-1897	5	162
279	Enzymatically prepared redox-responsive hydrogels as potent matrices for hepatocellular carcinoma cell spheroid formation. *Biotechnology Journal*, **2016**, 11, 1452-1460	5.6	18
278	Diglycolic amic acid-modified E. coli as a biosorbent for the recovery of rare earth elements. *Biochemical Engineering Journal*, **2016**, 113, 102-106	4.2	18
277	Separation of cobalt(II) from manganese(II) using a polymer inclusion membrane with N-[N,N-di(2-ethylhexyl)aminocarbonylmethyl]glycine (D2EHAG) as the extractant/carrier. *Journal of Chemical Technology and Biotechnology*, **2016**, 91, 1320-1326	3.5	28
276	Ionic liquid pretreatment as emerging approaches for enhanced enzymatic hydrolysis of lignocellulosic biomass. *Biochemical Engineering Journal*, **2016**, 109, 252-267	4.2	225
275	Transcutaneous Immunization Using Nano-sized Drug Carriers. *Methods in Pharmacology and Toxicology*, **2016**, 349-367	1.1	2

274	Development of High-Efficient Ion Exchange Materials by Utilizing Biological Functions and Biomaterials. *Journal of Ion Exchange*, **2016**, 27, 33-41	0.2	
273	Selective Extraction of Scandium from Transition Metals by Synergistic Extraction with 2-Thenoyltrifluoroacetone and Tri-n-octylphosphine Oxide. *Solvent Extraction Research and Development*, **2016**, 23, 137-143	0.7	17
272	Mutual Separation of Indium, Gallium, and Zinc with the Amic Acid-type Extractant D2EHAG Containing Glycine and Amide Moieties. *Solvent Extraction Research and Development*, **2016**, 23, 9-18	0.7	7
271	Enzymatic conjugation of multiple proteins on a DNA aptamer in a tail-specific manner. *Biotechnology Journal*, **2016**, 11, 814-23	5.6	5
270	Development of novel adsorbent bearing aminocarbonylmethylglycine and its application to scandium separation. *Journal of Chemical Technology and Biotechnology*, **2016**, 91, 2779-2784	3.5	15
269	Recent advances in exploiting ionic liquids for biomolecules: Solubility, stability and applications. *Biotechnology Journal*, **2016**, 11, 1000-13	5.6	122
268	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	0.8	8
267	Powerful peracetic acid-ionic liquid pretreatment process for the efficient chemical hydrolysis of lignocellulosic biomass. *Bioresource Technology*, **2016**, 214, 487-495	11	31
266	Analysis of Multiple Solvation Interactions of Methotrexate and Ammonium Based Ionic Liquids Using COSMO-RS. *Procedia Engineering*, **2016**, 148, 459-466		7
265	Liquid-liquid extraction of enzymatically synthesized functional RNA oligonucleotides using reverse micelles with a DNA-surfactant. *Chemical Communications*, **2016**, 52, 12376-12379	5.8	3
264	Synergistic degradation of arabinoxylan by free and immobilized xylanases and arabinofuranosidase. *Biochemical Engineering Journal*, **2016**, 114, 268-275	4.2	20
263	Transcutaneous immunization against cancer using solid-in-oil nanodispersions. *MedChemComm*, **2015**, 6, 1387-1392	5	13
262	Ionic liquid-mediated transcutaneous protein delivery with solid-in-oil nanodispersions. *MedChemComm*, **2015**, 6, 2124-2128	5	37
261	Enzyme-mediated preparation of hydrogels composed of poly(ethylene glycol) and gelatin as cell culture platforms. *RSC Advances*, **2015**, 5, 3070-3073	3.7	12
260	Site-specific conjugation of an antibody-binding protein catalyzed by horseradish peroxidase creates a multivalent protein conjugate with high affinity to IgG. *Biotechnology Journal*, **2015**, 10, 222-6	5.6	10
259	Cancer cell death induced by the intracellular self-assembly of an enzyme-responsive supramolecular gelator. *Journal of the American Chemical Society*, **2015**, 137, 770-5	16.4	257
258	Transdermal immunization using solid-in-oil nanodispersion with CpG oligodeoxynucleotide adjuvants. *Pharmaceutical Research*, **2015**, 32, 1486-92	4.5	10
257	Characterization of enzymatically gellable, phenolated linear poly(ethylene glycol) with different molecular weights for encapsulating living cells. *Biochemical Engineering Journal*, **2015**, 93, 25-30	4.2	10

256	Separation of Gold(III) in Acidic Chloride Solution Using Porous Polymeric Ionic Liquid Gel. *Journal of Chemical Engineering of Japan*, **2015**, 48, 197-201	0.8	1
255	Transcutaneous Peptide Immunotherapy of Japanese Cedar Pollinosis Using Solid-in-Oil Nanodispersion Technology. *AAPS PharmSciTech*, **2015**, 16, 1418-24	3.9	13
254	Great potency of seaweed waste biomass from the carrageenan industry for bioethanol production by peracetic acid□nic liquid pretreatment. *Biomass and Bioenergy*, **2015**, 81, 63-69	5.3	35
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