

Koichiro Shiomori

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Preferential Adsorption of L-Tryptophan by L-Phospholipid Coated Porous Polymer Particles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, , 112535.	5.0	5
2	Study on Arsenic Methylation Properties of <i>Cellulomonas</i> sp. K31. <i>Resources Processing</i> , 2022, 68, 117-123.	0.4	1
3	Preparation and Characterization of Polystyrene Microcapsule Containing Phase Change Material by Volatile Exchange Impregnation. <i>Journal of Chemical Engineering of Japan</i> , 2022, 55, 217-224.	0.6	1
4	Adsorption Properties of Au(III) and Cu(II) from Aqueous Solution Using Chemically Treated Sheep Wool. <i>MATEC Web of Conferences</i> , 2021, 333, 04006.	0.2	1
5	Recent developments of microcapsules and polymer particles for separation medium. <i>Journal of Physics: Conference Series</i> , 2021, 1763, 012011.	0.4	1
6	Removal and mechanism of heavy metals and precious metals from aqueous solution by adsorption with livestock biomass with chemical treatment. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
7	Preparation of Polystyrene Microcapsules Containing Saline Water Droplets via Solvent Evaporation Method and Their Structural Distribution Analysis by Machine Learning. <i>Journal of Chemical Engineering of Japan</i> , 2021, 54, 517-524.	0.6	6
8	Chromium adsorption on sodium sulfide treated sheep wool. <i>Journal of Physics: Conference Series</i> , 2021, 1763, 012009.	0.4	1
9	Analysis of the microcapsule structure based on machine learning algorithm. <i>Journal of Physics: Conference Series</i> , 2021, 1763, 012030.	0.4	4
10	Designer Exosomes: Smart Nano-Communication Tools for Translational Medicine. <i>Bioengineering</i> , 2021, 8, 158.	3.5	14
11	Effective adsorption of Au(III) and Cu(II) by chemically treated sheep wool and the binding mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104021.	6.7	24
12	Pb(II) Adsorption of Composite Alginate Beads Containing Mesoporous Natural Zeolite. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5267-5275.	0.9	5
13	Study on Arsenic Methyltransferase Expressed in Recombinant <i>E. coli</i> . <i>Resources Processing</i> , 2020, 67, 80-85.	0.4	2
14	A Kinetic Study of Copper(II) Extraction using LIX84-I Impregnated Polymeric Particles with Different Structures. <i>Solvent Extraction Research and Development</i> , 2018, 25, 23-36.	0.4	5
15	Preparation and Characterization of Poly-N-isopropylacrylamide Cryogels containing Liposomes and Their Adsorption Properties of Tryptophan. <i>Solvent Extraction Research and Development</i> , 2018, 25, 37-46.	0.4	2
16	Study on Healing Efficiency of Self-Healing Material Containing Monomer-Loading Microcapsule. <i>Kagaku Kogaku Ronbunshu</i> , 2018, 44, 129-134.	0.3	1
17	Characteristics and Mechanism of Cu(II) Extraction with Polymeric Particles with Interconnected Spherical Pores Impregnated with LIX84-I. <i>Journal of Chemical Engineering of Japan</i> , 2017, 50, 102-110.	0.6	6
18	Improvement of UV-Stability of Porphyrin-Type Humidity Indicator by the Addition of UV-Absorbents. <i>Kagaku Kogaku Ronbunshu</i> , 2017, 43, 123-128.	0.3	1

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19	Removal of Heavy Metals from Aqueous Solution by Adsorption using Livestock Biomass of Mongolia. Journal of Environmental Science and Technology, 2017, 10, 107-119.	0.3	10
20	Removal and Recovery of Heavy Metals from Industrial Wastewater by Precipitation and Foam Separation Using Lime and Casein. Journal of Environmental Science and Technology, 2017, 11, 1-9.	0.3	23
21	Characterization of Mongolian natural minerals and their application for heavy metal adsorbent. Mongolian Journal of Chemistry, 2017, 17, 50-54.	0.3	3
22	Effect of Diethanolamine on The Extraction Properties of Reverse Micelles with Sodium Bis(2-ethylhexyl) Sulfosuccinate. Solvent Extraction Research and Development, 2016, 23, 75-85.	0.4	1
23	Preparation of the Highly Hygroscopic Microcapsules Aimed at Application of Desiccant Air Conditioner and its Hygroscopic Properties. Kagaku Kogaku Ronbunshu, 2016, 42, 63-67.	0.3	2
24	Assessment of Heavy Metals in Mining Tailing Around Boroo and Zuunkharaa Gold Mining Areas of Mongolia. Journal of Environmental Science and Technology, 2016, 9, 379-389.	0.3	7
25	Adsorption Properties of Arsenic(V) by Polyacrylamide Cryogel Containing Iron Hydroxide Oxide Particles Prepared by <i>in situ</i> Method. Resources Processing, 2015, 62, 17-23.	0.4	8
26	Extraction Equilibrium of Co(II) with Microcapsules of Cross-linked Gel of Poly(vinyl alcohol)/Alginate Acid Encapsulating Dispersed Droplets of 2-ethylhexyl Phosphonic Acid 2-ethylhexyl Ester. Resources Processing, 2015, 62, 56-62.	0.4	4
27	A Protein Extraction System with a Water/Oil Microemulsion formed by a Biodegradable Polymer Surfactant. Solvent Extraction Research and Development, 2014, 21, 47-54.	0.4	1
28	Effect of Alcohol-Assisted Annealing on the Quality of Silicon Oxide Thin Film. Journal of Electronic Materials, 2014, 43, 2683-2687.	2.2	0
29	Extraction Properties of Nickel (II) with Polymeric Particles with Interconnected Spherical Pores Impregnating with LIX84-I. Solvent Extraction Research and Development, 2013, 20, 137-147.	0.4	7
30	Arsenic Polluted Groundwater and Its Countermeasures in the Middle Basin of the Ganges, Uttar Pradesh State, India. Journal of Environmental Protection, 2012, 03, 856-862.	0.7	17
31	Preparation of Microcapsules Containing PC-88A with Interconnected Spherical Pores and Their Extraction Properties for Zn(II). Solvent Extraction Research and Development, 2011, 18, 123-135.	0.4	8
32	Development of Creative Program for Chemical Experiments to Senior High School Students by Cooperation between University and High School. Journal of Jsee, 2010, 58, 44-49.	0.0	0
33	Preparation of Large Size Microcapsules Containing Tri- <i>n</i> -octylamine by <i>In situ</i> Polymerization Combined with a Gel Inclusion Method and Their Extraction Behavior. Solvent Extraction Research and Development, 2010, 17, 215-224.	0.4	5
34	PHYSICAL AND CHEMICAL PROPERTIES OF FINE PARTICLES DIFFICULT TO SETTLE COLLECTED FROM SEDIMENT OF DAM RESERVOIRS ALONG RIVER OMARU IN MIYAZAKI, JAPAN. Doboku Gakkai Ronbunshuu G, 2009, 65, 16-25.	0.1	0
35	Preparation and Characterisation of Phase Change Material-Loaded Polyurea Microcapsules Several Hundred Micrometres in Diameter. Polymers and Polymer Composites, 2009, 17, 365-369.	1.9	3
36	Preparation of lactic acid bacteria-enclosing alginate beads in emulsion system: effect of preparation parameters on bead characteristics. Polymer Bulletin, 2009, 63, 599-607.	3.3	10

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37	Preparation of Effective Extraction Media For Palladium (II) by Use of Microcapsules. <i>Kagaku Kogaku Ronbunshu</i> , 2009, 35, 145-151.	0.3	5
38	Preparation of acetamiprid-loaded polymeric microcapsules: Influence of preparation parameter in emulsion system on microcapsule characteristics. <i>Polymer Bulletin</i> , 2008, 61, 119-127.	3.3	17
39	Preparation of polylactide/poly(ϵ -caprolactone) microspheres enclosing acetamiprid and evaluation of release behavior. <i>Polymer Bulletin</i> , 2008, 61, 391-397.	3.3	24
40	Permeability control in electro-sensitive microcapsules with immobilized ferroelectric liquid crystalline segments. <i>Journal of Polymer Science Part A</i> , 2008, 46, 1749-1757.	2.3	11
41	Preparation of polylactide-based microspheres enclosing acetamiprid and evaluation of efficacy against cotton aphid by soil application. <i>Journal of Applied Polymer Science</i> , 2008, 109, 763-766.	2.6	11
42	Lactic acid bacteria-enclosing poly(ϵ -caprolactone) microcapsules as soil bioamendment. <i>Journal of Bioscience and Bioengineering</i> , 2008, 106, 268-272.	2.2	19
43	Microencapsulation of Microorganism as Soil Reformation Material. <i>Journal of the Society of Powder Technology, Japan</i> , 2008, 45, 780-784.	0.1	0
44	Preparation of Thermo-sensitive Nano Capsules by Using AOT Reverse Micellar Method. <i>Journal of the Society of Powder Technology, Japan</i> , 2007, 44, 658-663.	0.1	0
45	Extraction rate of palladium using divinylbenzene microcapsules containing tri-n-octylamine as the extractant. <i>Reactive and Functional Polymers</i> , 2007, 67, 522-528.	4.1	32
46	Analysis of Extraction Rate of Phosphorous Acid with Tri-n-octylamine in Toluene Using a Vibration Type Extractor. <i>Resources Processing</i> , 2007, 54, 51-55.	0.4	2
47	Recovery of Acids Components from Spent Electroless Nickel Plating Bath Using Closed Circulation Type Continuous Extraction Equipment. <i>Resources Processing</i> , 2007, 54, 56-62.	0.4	1
48	Effects of Polyols, Saccharides, and Glycoproteins on Thermoprecipitation of Phenylboronate-Containing Copolymers. <i>Biomacromolecules</i> , 2006, 7, 1017-1024.	5.4	34
49	Surface morphology control of polylactide microspheres enclosing irinotecan hydrochloride. <i>International Journal of Pharmaceutics</i> , 2005, 296, 112-116.	5.2	23
50	Characteristics of Nano-capsules Prepared Using Reverse Micellar System. <i>Chemical Engineering Research and Design</i> , 2005, 83, 861-865.	5.6	2
51	Extraction rate of nickel with 5-dodecylsalicylaldoxime in a vibro-mixer. <i>Separation and Purification Technology</i> , 2005, 44, 160-165.	7.9	18
52	Extraction and Separation of Precious Metals by a Column Packed with Divinylbenzene Homopolymeric Microcapsule Containing Tri-n-octylamine. <i>Separation Science and Technology</i> , 2005, 39, 1645-1662.	2.5	11
53	Preparation and Release Characteristics of Biodegradable Microcapsules Encapsulating Activated Carbon Impregnated with Pesticide Using the Solvent Evaporation Method. <i>Journal of Chemical Engineering of Japan</i> , 2004, 37, 357-364.	0.6	10
54	Thermoresponsive Properties of Sugar Sensitive Copolymer of N-Isopropylacrylamide and 3-(Acrylamido)phenylboronic Acid. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 27-34.	2.2	78

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55	Preparation of Biodegradable Microcapsules Encapsulating Activated Carbon Impregnated with Potassium Nitrate by Solvent Evaporation. Kagaku Kogaku Ronbunshu, 2004, 30, 532-536.	0.3	0
56	Extraction Equilibrium of Precious Metals from Aqueous Acidic Solutions Using Divinylbenzene Homopolymeric Microcapsules Encapsulating Ternary Amine as a Core Material. Separation Science and Technology, 2003, 38, 4057-4077.	2.5	19
57	Preparation of microcapsules and control of their morphology. Journal of Microencapsulation, 2003, 20, 497-508.	2.8	29
58	Entrapment Efficiency of Inorganic Salts into Biodegradable Microcapsules Prepared by the Solvent Evaporation Method. Journal of Chemical Engineering of Japan, 2003, 36, 1276-1281.	0.6	1
59	ARSENIC REMOVAL BY OXIDATION OF IRON HYDROXIDE AND SETTLEMENT OF CO-PRECIPITATION INTO GRAVEL SPACES. , 2002, , .		0
60	Preparation of Cross-Linked Microcapsules Entrapping Inorganic Salt by In-situ Polymerization in (W/O/W) Emulsion System.. Journal of Chemical Engineering of Japan, 2001, 34, 36-42.	0.6	16
61	Formation and Structure Control of Reverse Micelles by the Addition of Alkyl Amines and their Applications for Extraction Processes of Proteins. Studies in Surface Science and Catalysis, 2001, 132, 141-144.	1.5	1
62	Characteristics of Biodegradable Microcapsules by Solvent Evaporation in (W/O/W) Emulsion System.. Journal of Chemical Engineering of Japan, 2001, 34, 1182-1186.	0.6	7
63	Autoxidation Rate of Linoleic Acid and Effect of Antioxidants on the Oxidation.. Kagaku Kogaku Ronbunshu, 2001, 27, 76-84.	0.3	5
64	Extraction Characteristics of Lysozyme Using Sodium Bis(2-ethylhexyl) Sulfosuccinate-Long Chain Alkyl Amines Mixed Reverse Micellar System.. Kagaku Kogaku Ronbunshu, 2001, 27, 130-133.	0.3	1
65	Effective Entrapment of Protein into Polylactide Microcapsule by Solvent Evaporation of W/O/W Emulsion.. Kagaku Kogaku Ronbunshu, 2000, 26, 50-55.	0.3	8
66	Development of Continuous Emulsification Using New Type Emulsifier.. Kagaku Kogaku Ronbunshu, 2000, 26, 81-87.	0.3	2
67	Kinetics for Oxidation of Squalene.. Kagaku Kogaku Ronbunshu, 2000, 26, 869-876.	0.3	1
68	Effect of Electrostatic Interaction on Reverse Micellar Extraction of Large Molecular Weight Proteins.. Journal of Chemical Engineering of Japan, 2000, 33, 800-804.	0.6	15
69	Behavior of Ethyl Linoleate in Batch Rectification of Aqueous Ethanol Solution Containing Linoleic Acid. Kagaku Kogaku Ronbunshu, 1999, 25, 472-477.	0.3	0
70	Extraction of Proteins and Water with Sodium Bis(2-Ethylhexyl) Sulfosuccinate/Long Chain Alkyl Amines Mixed Micellar System.. Journal of Chemical Engineering of Japan, 1999, 32, 177-183.	0.6	16
71	Extraction characteristic of bovine serum albumin using sodium bis(2-ethylhexyl) sulfosuccinate reverse micelles. Journal of Bioscience and Bioengineering, 1998, 86, 581-587.	0.9	30
72	Selective Adsorption of Mercury(II) on Chitosan Derivatives from Hydrochloric Acid.. Analytical Sciences, 1998, 14, 687-690.	1.6	37

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73	Entrapment of Water Soluble Material into Biodegradable Microcapsule Prepared by Solvent Evaporation.. Kagaku Kogaku Ronbunshu, 1998, 24, 791-796.	0.3	9
74	Preparation of Cross-Linked Microcapsules with Spherical Pores by in-situ Polymerization in (W/O/W) Emulsion System.. Kagaku Kogaku Ronbunshu, 1997, 23, 303-306.	0.3	7
75	Extraction Equilibrium of Organic Acids by Toluene Solution of Tri-n-Octylamine.. Kagaku Kogaku Ronbunshu, 1997, 23, 243-250.	0.3	3
76	Preparation of Biodegradable Microcapsules with (W/O/W) Emulsion in Solvent Evaporation.. Kagaku Kogaku Ronbunshu, 1997, 23, 259-265.	0.3	3
77	Effects of UV Irradiation and Photocatalysis of TiO ₂ on Autoxidation Rate of Linoleic Acid.. Kagaku Kogaku Ronbunshu, 1997, 23, 694-700.	0.3	0
78	Degradation by Oxidation of Squalene.. Journal of Japan Oil Chemists' Society, 1997, 46, 1361-1367.	0.3	2
79	Oxidation Rate of Squalene.. Journal of Japan Oil Chemists' Society, 1997, 46, 1369-1374.	0.3	1
80	Characteristics and kinetics of lipase-catalyzed hydrolysis of olive oil in a reverse micellar system. Journal of Bioscience and Bioengineering, 1996, 81, 143-147.	0.9	13
81	Distribution equilibrium of palladium between aqueous hydrochloric acid solution and tri-n-octylamine in toluene.. Journal of Chemical Engineering of Japan, 1995, 28, 227-230.	0.6	3
82	Effective Purification Method of Large Molecular Weight Proteins Using Conventional AOT Reverse Micelles.. Journal of Chemical Engineering of Japan, 1995, 28, 803-809.	0.6	17
83	Hydrolysis rates of olive oil by lipase in a monodispersed emulsion system using membrane emulsification. Journal of Bioscience and Bioengineering, 1995, 80, 552-558.	0.9	22
84	Hydrolysis kinetics of olive oil with lipase in a transfer cell. Journal of Bioscience and Bioengineering, 1994, 77, 283-287.	0.9	9
85	Hydrolysis of olive oil with lipase in a "VibroMixer". Journal of Bioscience and Bioengineering, 1994, 78, 293-297.	0.9	7
86	Autoxidation rate of triolein.. Journal of Chemical Engineering of Japan, 1994, 27, 537-540.	0.6	1
87	Activity of .BETA.-galactosidase solubilized in reverse micelles and selective back-extraction from micellar phase.. Journal of Chemical Engineering of Japan, 1994, 27, 410-414.	0.6	9
88	Adsorption Equilibria of the Organic Acids on Activated Carbon at Various Temperatures.. Kagaku Kogaku Ronbunshu, 1994, 20, 453-458.	0.3	0
89	Stereochemical studies on the amination of arenes with ammonia and alkylamines via photochemical electron transfer. Journal of the Chemical Society Perkin Transactions II, 1992, , 305.	0.9	7
90	Continuous Operation of Olive Oil Hydrolysis with Lipase in "Vibro Mixer", 1992, , 472-474.		0

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91	Photoinduced Nucleophilic Addition of Ammonia and Alkylamines to Aryl-Substituted Alkenes in the Presence of p-Dicyanobenzene. Bulletin of the Chemical Society of Japan, 1991, 64, 366-374.	3.2	31