

Makoto Gemmei-Ide

List of Publications by Year in descending order

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52
papers

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394421

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docs citations

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times ranked

1163
citing authors

#	ARTICLE	IF	CITATIONS
1	Mid-infrared Spectroscopic Analysis of Water Structure in Solid Polymers. <i>Bunseki Kagaku</i> , 2022, 71, 235-246.	0.2	0
2	Applicability of Internal Standardization with Yttrium to the Solid-phase Extraction of Trace Elements in Groundwater and Wastewater Using an Aminocarboxylic Acid-type Chelating Resin. <i>Analytical Sciences</i> , 2021, 37, 1147-1156.	1.6	3
3	Molecular Structure and Vibrational Spectra of Water Molecules Sorbed in Poly(2-methoxyethylacrylate) Revealed by Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12095-12103.	2.6	6
4	Potential of Carboxymethylated Polyallylamine as a Functional Group on Chelating Resin for Solid-Phase Extraction of Trace Elements. <i>Analytical Sciences</i> , 2020, 36, 583-588.	1.6	2
5	Different Insights of Water Structure in Polymer-Water Systems Observed by Vibrational Spectroscopic and Calorimetric Methods. <i>Oleoscience</i> , 2020, 20, 329-336.	0.0	0
6	Effect of Coexisting Organic Compounds on the Sorption of Inorganic Mercury(II) with Iron(II) Sulfide. <i>Bunseki Kagaku</i> , 2020, 69, 647-651.	0.2	0
7	Phosphomethylated Polyethyleneimine-immobilized Chelating Resin: Role of Phosphomethylation Rate on Solid-Phase Extraction of Trace Elements. <i>Analytical Sciences</i> , 2019, 35, 413-419.	1.6	9
8	Thermal Decomposition Behavior of a Chelating Resin Immobilizing Carboxymethylated Polyethyleneimine: Possibility of Estimation of Carboxymethylation Rate. <i>Analytical Sciences</i> , 2019, 35, 1161-1164.	1.6	0
9	A porous sintered material consisting of Presep PolyChelate as a chelating resin and particulate polyethylene as a thermoplastic binder for solid-phase extraction of trace elements. <i>Talanta</i> , 2018, 188, 665-670.	5.5	11
10	Diffusion-Controlled Recrystallization of Water Sorbed into Poly(meth)acrylates Revealed by Variable-Temperature Mid-Infrared Spectroscopy and Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5133-5141.	2.6	20
11	Improvement of Chromium(VI) Extraction from Acidic Solutions Using a Poly(vinyl chloride)-based Polymer Inclusion Membrane with Aliquat 336 as the Carrier. <i>Analytical Sciences</i> , 2017, 33, 643-646.	1.6	13
12	Chelating resin immobilizing carboxymethylated polyethyleneimine for selective solid-phase extraction of trace elements: Effect of the molecular weight of polyethyleneimine and its carboxymethylation rate. <i>Talanta</i> , 2016, 147, 342-350.	5.5	24
13	Mid-Infrared Spectroscopic Investigation of the Perfect Vitrification of Poly(ethylene glycol) Aqueous Solutions. <i>Langmuir</i> , 2015, 31, 10881-10887.	3.5	13
14	Water structure at the interfaces between a zwitterionic self-assembled monolayer/liquid water evaluated by sum-frequency generation spectroscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 267-273.	5.0	19
15	Sum-frequency generation analyses of the structure of water at amphoteric SAM-liquid water interfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 264-269.	5.0	12
16	Structure of water at zwitterionic copolymer film-liquid water interfaces as examined by the sum frequency generation method. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 113, 361-367.	5.0	40
17	The use of a polymer inclusion membrane as a sorbent for online preconcentration in the flow injection determination of thiocyanate impurity in ammonium sulfate fertilizer. <i>Talanta</i> , 2014, 129, 560-564.	5.5	30
18	Solid-phase Extraction of Gold(III) Using a Fibrous Adsorbent Immobilizing Pentaethylenehexamine. <i>Bunseki Kagaku</i> , 2014, 63, 785-789.	0.2	0

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19	Chelating Resins. , 2014, , 1-10.		3
20	Two-Step Recrystallization of Water in Concentrated Aqueous Solution of Poly(ethylene glycol). Journal of Physical Chemistry B, 2013, 117, 2188-2194.	2.6	10
21	Potential of Presep [®] PolyChelate as a Chelating Resin: Comparative Study with Some Aminocarboxylic Acid-type Resins. Analytical Sciences, 2013, 29, 1107-1112.	1.6	22
22	Recrystallization of Water in Non-Water-Soluble (Meth)Acrylate Polymers Is Not Rare and Is Not Devitrification. Journal of Physical Chemistry B, 2012, 116, 1850-1857.	2.6	16
23	Structure of water in the vicinity of a zwitterionic polymer brush as examined by sum frequency generation method. Colloids and Surfaces B: Biointerfaces, 2012, 100, 126-132.	5.0	27
24	Sum frequency generation study on the structure of water in the vicinity of an amphoteric polymer brush. Colloids and Surfaces B: Biointerfaces, 2012, 91, 215-218.	5.0	24
25	Binding of β -amyloid to sulfated sugar residues in a polymer brush. Colloids and Surfaces B: Biointerfaces, 2012, 93, 219-225.	5.0	11
26	Correlation between Crystallization Behavior of Water in Polymer Solid and Their Biocompatibility. Hyomen Kagaku, 2012, 33, 15-20.	0.0	0
27	Binding of β -secretase to a peptide inhibitor-carrying SAM. Colloids and Surfaces B: Biointerfaces, 2010, 78, 155-162.	5.0	2
28	Thermally Latent Water in a Polymer Matrix. Journal of Physical Chemistry B, 2010, 114, 4310-4312.	2.6	6
29	Structure of Water in the Vicinity of Amphoteric Polymers as Revealed by Vibrational Spectroscopy. Journal of Biomaterials Science, Polymer Edition, 2010, 21, 1877-1893.	3.5	10
30	Anti-Biofouling Properties of Polymers with a Carboxybetaine Moiety. Macromolecular Bioscience, 2009, 9, 63-70.	4.1	86
31	Effect of end groups of poly(n-butyl methacrylate) on its biocompatibility. Colloids and Surfaces B: Biointerfaces, 2009, 74, 45-50.	5.0	6
32	Structure of Water Incorporated in Amphoteric Polymer Thin Films as Revealed by FT-IR Spectroscopy. Macromolecular Bioscience, 2008, 8, 77-85.	4.1	32
33	Crystal Growth of Ice <i>h</i> by Revapor-Deposition and Diffusion Suppression of Monomolecular Water in a Polymer Solid: Spectroscopic Observation of Phase Transition of Water Sorbed into Solid Polystyrene. Journal of Physical Chemistry B, 2008, 112, 13499-13502.	2.6	13
34	Recrystallization of Water in a Non-Water-Soluble Polymer Examined by Fourier Transform Infrared Spectroscopy: Poly(2-methoxyethylacrylate) with Low Water Content. Journal of Physical Chemistry B, 2008, 112, 12863-12866.	2.6	18
35	Spectroscopic Evidence of Phase Transition of Monomolecular Water in Solid Polystyrene. Journal of Physical Chemistry B, 2008, 112, 2764-2766.	2.6	9
36	Effect of Zwitterionic Polymers on Wound Healing. Biological and Pharmaceutical Bulletin, 2008, 31, 2309-2315.	1.4	40

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37	Breaking of the Supercooled State of Water by a Nanocavity with Disordered Atomic Configuration I:Â Freezing Behavior of Sorbed Water into Polymethylmethacrylate Film As Examined by Fourier Transform Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5533-5535.	2.6	6
38	Resistance of surface-confined telomers with pendent glucosylurea groups against non-specific adsorption of proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 56, 188-196.	5.0	4
39	Structure of water in the vicinity of amphoteric polymers as revealed by Raman spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2007, 313, 461-468.	9.4	22
40	Raman spectroscopic study of the structure of water in aqueous solutions of amphoteric polymers. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1178.	2.8	23
41	State of Irremovable Water in Solid Polymer Films Examined by Fourier Transform Infrared Spectroscopy I:Â Poly(Ethylene Glycol) Dimethyl Ether. <i>Langmuir</i> , 2006, 22, 2422-2425.	3.5	34
42	Interaction Between Polymer Chains Covalently Fixed to Single-Walled Carbon Nanotubes. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 812-819.	2.2	13
43	Structure of Water Incorporated in Sulfobetaine Polymer Films as Studied by ATR-FTIR. <i>Macromolecular Bioscience</i> , 2005, 5, 314-321.	4.1	157
44	Raman spectroscopic study on the structure of water in aqueous solution of -amino acids. <i>Journal of Colloid and Interface Science</i> , 2005, 283, 452-458.	9.4	16
45	Orientalional Effect of Surface-Confined Cyclodextrin on the Inclusion of Bisphenols. <i>Langmuir</i> , 2005, 21, 1314-1321.	3.5	37
46	Inclusion of Bisphenols by a Self-Assembled Monolayer of Thiolated Calix[6]arene on a Gold Surface. <i>Environmental Science & Technology</i> , 2005, 39, 5414-5420.	10.0	15
47	Correlation between the Structure of Water in the Vicinity of Carboxybetaine Polymers and Their Blood-Compatibility. <i>Langmuir</i> , 2005, 21, 11932-11940.	3.5	157
48	Effect of Macrocycles on the Temperature-Responsiveness of Poly[(methoxy diethylene glycol) Tj ETQqO O O rgBT /Qverlock 10 Tf 50 302	2.2	57
49	Raman spectroscopic study on the structure of water in aqueous solution of zwitterionic surfactants. <i>Journal of Colloid and Interface Science</i> , 2004, 269, 459-465.	9.4	10
50	Accumulation of phenyl boronic acid-carrying telomers on a gold surface. <i>Journal of Colloid and Interface Science</i> , 2004, 273, 106-114.	9.4	14
51	Structure of Water in the Vicinity of Phospholipid Analogue Copolymers As Studied by Vibrational Spectroscopyâ€. <i>Langmuir</i> , 2003, 19, 10260-10266.	3.5	144
52	Inclusion of Bisphenols by Cyclodextrin Derivatives. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2003, 47, 83-90.	1.6	27