Shigehiro Kagaya

List of Publications by Year
in descending order

47	1,015	394421 19	434195 31
papers	citations	h-index	g-index

47	47	47	1089
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mid-infrared Spectroscopic Analysis of Water Structure in Solid Polymers. Bunseki Kagaku, 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. Analytical Sciences, 2021, 37, 1147-1156.	1.6	3
3	Size resolved characteristics of urban and suburban bacterial bioaerosols in Japan as assessed by 16S rRNA amplicon sequencing. Scientific Reports, 2020, 10, 12406.	3.3	17
4	Potential of Carboxymethylated Polyallylamine as a Functional Group on Chelating Resin for Solid-Phase Extraction of Trace Elements. Analytical Sciences, 2020, 36, 583-588.	1.6	2
5	Different Insights of Water Structure in Polymerâ€“Water Systems Observed by Vibrational Spectroscopic and Calorimetric Methods. Oleoscience, 2020, 20, 329-336.	0.0	0
6	Effect of Coexisting Organic Compounds on the Sorption of Inorganic Mercury(II) with Iron(II) Sulfide. Bunseki Kagaku, 2020, 69, 647-651.	0.2	0
7	Phosphomethylated Polyethyleneimine-immobilized Chelating Resin: Role of Phosphomethylation Rate on Solid-Phase Extraction of Trace Elements. Analytical Sciences, 2019, 35, 413-419.	1.6	9
8	Thermal Decomposition Behavior of a Chelating Resin Immobilizing Carboxymethylated Polyethyleneimine: Possibility of Estimation of Carboxymethylation Rate. Analytical Sciences, 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. Talanta, 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. Journal of Physical Chemistry B, 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. Analytical Sciences, 2017, 33, 643-646.	1.6	13
12	Rapid Coprecipitation Technique for the Separation and Preconcentration of Trace Elements. Bunseki Kagaku, 2016, 65, 13-23.	0.2	1
13	Chelating resin immobilizing carboxymethylated polyethyleneimine for selective solid-phase extraction of trace elements: Effect of the molecular weight of polyethyleneimine and its carboxymethylation rate. Talanta, 2016, 147, 342-350.	5.5	24
14	Mid-Infrared Spectroscopic Investigation of the Perfect Vitrification of Poly(ethylene glycol) Aqueous Solutions. Langmuir, 2015, 31, 10881-10887.	3.5	13
15	Direct Arylation Polycondensation: A Promising Method for the Synthesis of Highly Pure, Highâ€Molecularâ€Weight Conjugated Polymers Needed for Improving the Performance of Organic Photovoltaics. Advanced Functional Materials, 2014, 24, 3226-3233.	14.9	126
16	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. Talanta, 2014, 129, 560-564.	5.5	30
17	Solid-phase Extraction of Gold(III) Using a Fibrous Adsorbent Immobilizing Pentaethylenehexamine. Bunseki Kagaku, 2014, 63, 785-789.	0.2	0
18	Chelating Materials Immobilizing Carboxymethylated Pentaethylenehexamine and Polyethyleneimine as Ligands. Analytical Sciences, 2014, 30, 35-42.	1.6	25

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19	Potential of Presep^{Â®} PolyChelate as a Chelating Resin: Comparative Study with Some Aminocarboxylic Acid-type Resins. Analytical Sciences, 2013, 29, 1107-1112.	1.6	22
20	A Monolith-like Macroporous Reversed Phase/Anion Exchange Mixed-mode Adsorbent Sintered with a Polyethylene Powder for Solid-phase Extraction. Bunseki Kagaku, 2012, 61, 335-340.	0.2	5
21	Solid-phase Extraction of Trace Elements Using a Chelating Fiber Prepared with a Wet-spinning Technique Employing a Mixture of Viscose and Fine Particulate Chelate Resin Immobilizing Carboxymethylated Pentaethylenehexamine. Bunseki Kagaku, 2012, 61, 621-628.	0.2	1
22	Methyl benzoate as a non-halogenated extraction solvent for dispersive liquidâ€“liquid microextraction: Application to the preconcentration of copper(ii) with 1-nitroso-2-naphthol. Analytical Methods, 2012, 4, 4378.	2.7	13
23	Stability studies of poly(vinyl chloride)-based polymer inclusion membranes containing Aliquat 336 as a carrier. Separation and Purification Technology, 2012, 101, 69-75.	7.9	49
24	Chelating fibers prepared with a wet spinning technique using a mixture of a viscose solution and a polymer ligand for the separation of metal ions in an aqueous solution. Journal of Hazardous Materials, 2012, 203-204, 370-373.	12.4	19
25	Solid-Phase Extraction of Cobalt(II) from Lithium Chloride Solutions Using a Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 60 27, 653-657.	1.6	24
26	Solid Phase Extraction of Arsenic Using an Iron(III)-Supported Chelate Resin Immobilizing Carboxymethylated Pentaethylenehexamine. Bunseki Kagaku, 2011, 60, 629-634.	0.2	6
27	Determination of Cadmium in Water Samples by Liquid Electrode Plasma Atomic Emission Spectrometry after Solid Phase Extraction Using a Mini Cartridge Packed with Chelate Resin Immobilizing Carboxymethylated Pentaethylenehexamine. Analytical Sciences, 2010, 26, 515-518.	1.6	34
28	Selective removal of mercury(II) from wastewater using polythioamides. Journal of Hazardous Materials, 2010, 175, 1113-1115.	12.4	59
29	A sensitive and selective method for determination of gold(III) based on electrothermal atomic absorption spectrometry in combination with dispersive liquidâ€“liquid microextraction using dicyclohexylamine. Talanta, 2010, 80, 1364-1370.	5.5	55
30	Selective Separation of Palladium from Organic Solutions Containing Nickel or Platinum using Polythioamide as a Sorbent. Journal of Inorganic and Organometallic Polymers and Materials, 2009, 19, 67-73.	3.7	22
31	A solid phase extraction using a chelate resin immobilizing carboxymethylated pentaethylenehexamine for separation and preconcentration of trace elements in water samples. Talanta, 2009, 79, 146-152.	5.5	84
32	Inductively coupled plasma atomic emission spectrometric determination of 27 trace elements in table salts after coprecipitation with indium phosphate. Talanta, 2009, 79, 512-516.	5.5	26
33	Use of Yttrium Phosphate as a Coprecipitant for Separation/Concentration of Lanthanoids. Analytical Sciences, 2008, 24, 1643-1646.	1.6	5
34	Determination of Al, Cr, Fe, Zn, Cd, Pb and Bi in Crude Drugs by Inductively Coupled Plasma Atomic Emission Spectrometry after Coprecipitation with Yttrium Phosphate. Journal of Health Science, 2008, 54, 682-685.	0.9	5
35	Rapid Coprecipitation Technique Using Yttrium Hydroxide for the Preconcentration and Separation of Trace Elements in Saline Water Prior to Their ICP-AES Determination. Analytical Sciences, 2007, 23, 1021-1024.	1.6	16
36	Determination of Dissolved Mercury(II) in Rainwater by Heat-Vaporization Atomic Absorption Spectrometry after Sorption with Zinc(II) Sulfide. Bunseki Kagaku, 2007, 56, 1127-1131.	0.2	0

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37	Carboxybetaine Polymer-Protected Gold Nanoparticles: High Dispersion Stability and Resistance against Non-Specific Adsorption of Proteins. Macromolecular Chemistry and Physics, 2007, 208, 862-873.	2.2	71
38	Comparative assessment of the efficiency of Fe-doped TiO2prepared by two doping methods and photocatalytic degradation of phenol in domestic water suspensions. Science and Technology of Advanced Materials, 2007, 8, 286-291.	6.1	44
39	Coprecipitation with yttrium phosphate as a separation technique for iron(III), lead, and bismuth from cobalt, nickel, and copper matrices. Talanta, 2005, 67, 90-97.	5.5	46
40	Rapid determination of total mercury in treated waste water by cold vapor atomic absorption spectrometry in alkaline medium with sodium hypochlorite solution. Talanta, 2004, 64, 554-557.	5.5	12
41	Determination of Cadmium in River Water by Electrothermal Atomic Absorption Spectrometry after Internal Standardization-Assisted Rapid Coprecipitation with Lanthanum Phosphate. Analytical Sciences, 2003, 19, 1061-1064.	1.6	17
42	Polythioamide as a Collector for Valuable Metals from Aqueous and Organic Solutions. Chemistry Letters, 2003, 32, 622-623.	1.3	28
43	Application of Internal Standardization to Rapid Coprecipitation Technique Using Lanthanum Phosphate for Flame Atomic Absorption Spectrometric Determination of Iron and Lead.. Analytical Sciences, 2002, 18, 923-926.	1.6	27
44	Production of Laccase by Membrane-Surface Liquid Culture with Nonwoven Fabric of Coriolus versicolor. ACS Symposium Series, 2002, , 108-120.	0.5	2
45	Preparation of poly(arylenediphosphine)s by palladium-catalyzed polycondensation: Formation of polymer transition-metal complexes and catalytic reactions. Journal of Polymer Science Part A, 2002, 40, 2637-2647.	2.3	9
46	Effect of nitrous acid gas on the nitration of pyrene adsorbed on silica particles by nitrogen dioxide. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2000, 35, 765-773.	1.7	7
47	Selective sorption of gold(iii) by polystyrene-supported Î±-pyridylamino oligomers. Journal of Materials Chemistry, 2000, 10, 2442-2444.	6.7	13