Naoki Hirayama

List of Publications by Year
in descending order

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59	1,052	361045	454577
papers	citations	20	30
		h-index	g-index

60	60	60	714
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Use of 1-alkyl-3-methylimidazolium hexafluorophosphate room temperature ionic liquids as chelate extraction solvent with 4,4,4-trifluoro-1-(2-thienyl)-1,3-butanedione. Talanta, 2005, 65, 255-260.	2.9	106
2	Use of 8-sulfonamidoquinoline derivatives as chelate extraction reagents in ionic liquid extraction system. Talanta, 2008, 74, 903-908.	2.9	66
3	Extraction Behavior of Divalent Metal Cations in Ionic Liquid Chelate Extraction Systems Using 1-Alkyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)imides and Thenoyltrifluoroacetone. Analytical Sciences, 2008, 24, 1251-1254.	0.8	65
4	Synergistic Effect of 18-Crown-6 Derivatives on Chelate Extraction of Lanthanoids(III) into an Ionic Liquid with 2-Thenoyltrifluoroacetone. Analytical Sciences, 2010, 26, 607-611.	0.8	56
5	Ionic Liquid Synergistic Cation-Exchange System for the Selective Extraction of Lanthanum(III) Using 2-Thenoyltrifluoroacetone and 18-Crown-6. Analytical Sciences, 2008, 24, 697-699.	0.8	53
6	Chelate Extraction of Metals into Ionic Liquids. Solvent Extraction Research and Development, 2011, 18, 1-14.	0.5	41
7	Ion chromatographic elution behaviour and prediction of the retention of inorganic monovalent anions using a phosphate eluent. Journal of Chromatography A, 1989, 481, 315-322.	1.8	39
8	Sulfonamide-type di-Schiff base ligands as chelate extraction reagents for divalent metal cations. Analytica Chimica Acta, 2002, 466, 295-301.	2.6	38
9	Structural Control of Schiff Base Ligands for Selective Extraction of Copper(II).. Analytical Sciences, 2002, 18, 1351-1355.	0.8	32
10	Ion-Pair Extraction System for the Mutual Separation of Lanthanides Using Divalent Quadridentate Schiff Bases. Analytical Chemistry, 1997, 69, 4814-4818.	3.2	31
11	Ion-pair extraction behavior of divalent transition metal cations as charged complexes with N,Nâ€²-bis(2-pyridylmethylidene)-1,2-diiminoethane and its analogues. Analytica Chimica Acta, 2001, 441, 157-164.	2.6	31
12	Laser-induced fluorescence and infrared spectroscopic studies on the specific solvation of tris(1-(2-thienyl)-4,4,4-trifluoro-1,3-butanedionato)europium(III) in an ionic liquid. Polyhedron, 2012, 31, 748-753.	1.0	31
13	Halogen-Free Water-Immiscible Ionic Liquids Based on Tetraoctylammonium Cation and Dodecylsulfate and Dodecylbenzenesulfonate Anions, and Their Application as Chelate Extraction Solvent. Analytical Sciences, 2006, 22, 199-200.	0.8	30
14	Ion-pair extraction behavior of divalent metal cations using neutral di-Schiff base ligands derived from 1,2-cyclohexanediamine and o-phenylenediamine. Talanta, 2003, 59, 867-874.	2.9	27
15	Cooperative intramolecular interaction of diazacrown ether bearing Î²-diketone fragments on an ionic liquid extraction system. Dalton Transactions, 2009, , 4850.	1.6	25
16	Specific Cooperative Effect of a Macrocyclic Receptor for Metal Ion Transfer into an Ionic Liquid. Analytical Chemistry, 2012, 84, 9332-9339.	3.2	25
17	Selective extraction of gallium from aluminum and indium using tripod phenolic ligands. Talanta, 2001, 53, 857-862.	2.9	24
18	Grafting of phenylboronic acid on a glassy carbon electrode and its application as a reagentless glucose sensor. Journal of Electroanalytical Chemistry, 2011, 656, 192-197.	1.9	24

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19	X-Ray Crystallographic Approach to the Design of Phenolic Schiff Base Reagents for the Mutual Separation of Lanthanoids.. Analytical Sciences, 2001, 17, 193-197.	0.8	23
20	Formation of dinuclear copper(II) complex with -tetrakis(2-pyridylmethyl)-1,2-ethanediamine in aqueous solution. Talanta, 1996, 43, 621-626.	2.9	21
21	Organic-solvent/Water/Ionic-liquid Triphasic System for the Fractional Extraction of Divalent Metal Cations. Analytical Sciences, 2009, 25, 1269-1270.	0.8	20
22	An 8-sulfonamidoquinoline derivative with imidazolium unit as an extraction reagent for use in ionic liquid chelate extraction systems. Analytica Chimica Acta, 2010, 680, 21-25.	2.6	15
23	Extraction of Cu(II) with Dioctyldithiocarbamate and a Kinetic Study of the Extraction Using a Two-Phase Microflow System. Solvent Extraction Research and Development, 2010, 17, 209-214.	0.5	14
24	Evaluation of a Hydrophilic Ionic Liquid as a Salting-out Phase Separation Agent to a Waterâ€“Tetrahydrofuran Homogeneous System for Aqueous Biphasic Extraction Separation. Analytical Sciences, 2012, 28, 541-543.	0.8	13
25	Influence of dissociation equilibria on the elution behaviour of the sample anion in anion chromatography. Journal of Chromatography A, 1990, 508, 51-60.	1.8	12
26	Ion-pair extraction behavior of transition metal(II) cations as charged complexes with ethylenediamine derivatives having heterocyclic pendant arms. Analytica Chimica Acta, 1997, 339, 115-121.	2.6	12
27	Extraction behavior of divalent first row transition metal ions with N,Nâ€²-bis(2-hydroxyphenylmethyl)-N,Nâ€²-bis(2-pyridylmethyl)-1,2-ethanediamine and its derivatives. Talanta, 1997, 44, 2019-2025.	2.9	11
28	Extraction Behavior of Metal Cations in Ionic Liquid Chelate Extraction System. Bunseki Kagaku, 2008, 57, 949-959.	0.1	11
29	Distribution Equilibria of Amphoteric 8-Quinolinol between 1-Alkyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)imide and Aqueous Phases and Their Effect on Ionic Liquid Chelate Extraction Behavior of Iron(III). Analytical Sciences, 2017, 33, 1447-1451.	0.8	10
30	Formation of Minimal Third Phase in Ionic Liquid Extraction System with Trioctylphosphine Oxide and Its Possible Application to Extraction Concentration. Analytical Sciences, 2018, 34, 1063-1065.	0.8	10
31	Non-suppressed ion chromatography of arsenic anions with potassium hydroxide-aromatic salt mixed eluents. Journal of Chromatography A, 1988, 447, 323-328.	1.8	9
32	Determination of dissociation constants of aromatic carboxylic acids by ion chromatography. Journal of Chromatography A, 1993, 639, 333-337.	1.8	9
33	Measurement of fluoride ion in the river-water flowing into Lake Biwa. Water Research, 1996, 30, 865-868.	5.3	9
34	Ion chromatography using a charged complex anion-exchange group. Analytica Chimica Acta, 2000, 409, 17-26.	2.6	9
35	Separation and determination of organoarsenic compounds with a microbore column and ultraviolet detection. Journal of Chromatography A, 1989, 466, 379-383.	1.8	8
36	Extraction Behavior of Lanthanoids(III) with N,N'-Bis(2-hydroxyphenylmethyl)-N,N'-bis(2-pyridylmethyl)-1,2-ethanediamine and .BETA.-Diketones.. Analytical Sciences, 1996, 12, 133-135.	0.8	8

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37	Crystal Structure of {1,4-Bis[1-(3,5-dichlorophenolato-2-ylmethyl)-ylpropylamino-.KAPPA.2N,O]piperazine-.KAPPA.2N,N'}cobalt(II). Analytical Sciences, 2003, 19, 645-646.	0.8	8
38	Elution Behavior of Tungsten and Molybdenum in Ion Chromatography Using Organic Acid Eluents Having .ALPHA.-Hydroxyl Groups.. Analytical Sciences, 1992, 8, 511-516.	0.8	7
39	Numerical analysis of elution behaviors of substituted benzoate anions in ion chromatography. Analytical Chemistry, 1993, 65, 141-147.	3.2	7
40	Novel separation of inorganic anions using a charged complex ion-exchanger. Analytica Chimica Acta, 1996, 334, 1-4.	2.6	7
41	"Substituent on Benzenesulfonyl Group" Effect in Use of 8-Benzenesulfonamidoquinoline Derivatives as Chelate Extractant.. Analytical Sciences, 2003, 19, 321-324.	0.8	6
42	A Specific Synergistic Effect in Ionic Liquid Chelate Extraction Based on Neutral Ternary Chloro-complex Formation. Analytical Sciences, 2014, 30, 783-785.	0.8	6
43	Crystal Structure of Tris(2-Hydoroxy-3,5-Dimethylbenzyl)amine.. Analytical Sciences, 2001, 17, 913-914.	0.8	5
44	Non-suppressed ion chromatography of arsenic anions using sodium nitrite solutions as eluents. Journal of Chromatography A, 1988, 457, 415-420.	1.8	4
45	Synergistic Ion-pair Extraction of Strontium Ion with Tri-n-octylphosphine Oxide and Dicyclohexano-18-crown-6. Analytical Sciences, 2016, 32, 1367-1370.	0.8	4
46	Electrocatalytic Reduction of Free Chlorine at an N,N-Diethylaniline-grafted Carbon Electrode for Improved Sensitivity in Amperometric Detection. Analytical Sciences, 2017, 33, 5-7.	0.8	4
47	Use of Î²-diketonate anions as eluent in non-suppressed ion chromatography. Journal of Chromatography A, 1990, 523, 257-264.	1.8	3
48	Salting-out Phase Separation System of Waterâ€“Tetrahydrofuran with Co-using 1-Butyl-3-methylimidazolium Chloride and Sodium Chloride for Possible Extraction Separation of Chloro-complexes. Solvent Extraction Research and Development, 2014, 21, 71-76.	0.5	3
49	Extraction Behavior of Divalent Metal Cations with 2-Mercaptopyridine N-Oxide in Ionic Liquid Chelate Extraction. Solvent Extraction Research and Development, 2016, 23, 145-150.	0.5	3
50	Effect of the Elemental Composition of Precursors from Amino Acids and Their Binary Mixtures on the Photoluminescent Intensity of Carbon Nanodots. Analytical Sciences, 2017, 33, 1461-1464.	0.8	3
51	Complexation equilibrium between iron(III) and N,N'-bis(2-hydroxyphenylmethyl)-N,N'-bis(2-pyridylmethyl)-1,2-ethanediamine. Analusis - European Journal of Analytical Chemistry, 1998, 26, 370-372.	0.4	3
52	Effect of substituted phenolates as a counterion on the ion-pair extraction of alkali metal ions using crown ether. Bunseki Kagaku, 2003, 52, 839-842.	0.1	1
53	Effect of Halogenation of 5-Alkyloxymethyl-8-quinolinol Derivatives at 7-Position on Extraction Capability of Copper(II) Ion. Bunseki Kagaku, 2012, 61, 699-703.	0.1	1
54	Valence Discriminative Detection of Metal Cations by a Chromotropic Acid-grafted Glassy Carbon Electrode. Analytical Sciences, 2013, 29, 95-99.	0.8	1

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55	Use of Î²-diketonate anions as eluent in non-suppressed ion chromatography: 1,3-cyclohexanedionate as acidic eluent. Journal of Chromatography A, 1995, 707, 384-389.	1.8	0
56	2,4-Dichloro-6-(piperidin-1-ylmethyl)phenol. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o3706-o3708.	0.2	0
57	Bis[2,4-dichloro-6-(piperidin-1-ylmethyl)phenolato-Î²2N,O]copper(II). Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m2858-m2859.	0.2	0
58	Advances in Micro/Nano-Bioanalysis. Analytical Sciences, 2011, 27, 349.	0.8	0
59	Effect of Polyhydric Phenols on the Phase Separation of an Aqueous Nonionic Surfactant Solution and the Cloud-point Extraction of Antimony(V). Bunseki Kagaku, 2016, 65, 65-70.	0.1	0