

Hirokazu Narita

List of Publications by Year in descending order

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67
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docs citations

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1138
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption behavior of rare earth elements on silica gel modified with diglycol amic acid. Hydrometallurgy, 2015, 152, 178-182.	4.3	138
2	Recycling of Rare Earths from Scrap. Fundamental Theories of Physics, 2013, 43, 159-211.	0.3	111
3	Structural study of lanthanides(III) in aqueous nitrate and chloride solutions by EXAFS. Journal of Radioanalytical and Nuclear Chemistry, 1999, 239, 371-375.	1.5	98
4	Palladium extraction with N,N,N',N'-tetra-n-octyl-thiodiglycolamide. Minerals Engineering, 2008, 21, 483-488.	4.3	68
5	Extraction Studies of Lanthanide(III) Ions with N,N'-Dimethyl-N,N'-diphenylpyridine-2,6-dicarboxamide (DMDPhPDA) from Nitric Acid Solutions. Solvent Extraction and Ion Exchange, 2004, 22, 147-161.	2.0	63
6	Study on the extraction of trivalent lanthanide ions with N,N'-dimethyl-N,N'-diphenyl-malonamide and diglycolamide. Journal of Radioanalytical and Nuclear Chemistry, 1999, 239, 381-384.	1.5	62
7	Extraction of gold(III) in hydrochloric acid solution using monoamide compounds. Hydrometallurgy, 2006, 81, 153-158.	4.3	60
8	The first effective extractant for trivalent rhodium in hydrochloric acid solution. Chemical Communications, 2008, , 5921.	4.1	53
9	Extraction of Lanthanides with N,N'-Dimethyl-N,N'-diphenylmalonamide and 3,6-dioxaoctanediamide. Solvent Extraction and Ion Exchange, 2004, 22, 135-145.	2.0	48
10	Extraction Properties of Palladium(II) in HCl Solution with Sulfide-Containing Monoamide Compounds. Industrial & Engineering Chemistry Research, 2014, 53, 3636-3640.	3.7	48
11	Rapid Separation of Palladium(II) from Platinum(IV) in Hydrochloric Acid Solution with Thiodiglycolamide. Chemistry Letters, 2004, 33, 1144-1145.	1.3	45
12	Solvent extraction recovery of nickel from spent electroless nickel plating baths by a mixer-settler extractor. Separation and Purification Technology, 2008, 62, 97-102.	7.9	44
13	Local structure of molten LaCl ₃ by K-absorption edge XAFS. Journal of Molecular Structure, 2002, 641, 71-76.	3.6	39
14	Highly Efficient Extraction of Rhodium(III) from Hydrochloric Acid Solution with Amide-Containing Tertiary Amine Compounds. Solvent Extraction and Ion Exchange, 2015, 33, 407-417.	2.0	39
15	Rapid and selective recovery of heavy rare earths by using an adsorbent with diglycol amic acid group. Hydrometallurgy, 2015, 155, 105-109.	4.3	37
16	Adsorption mechanism of rare earth elements by adsorbents with diglycolamic acid ligands. Hydrometallurgy, 2016, 163, 156-160.	4.3	37
17	Selective recovery of heavy rare earth elements from apatite with an adsorbent bearing immobilized tridentate amido ligands. Separation and Purification Technology, 2016, 159, 157-160.	7.9	37
18	Immobilization of Diglycol Amic Acid on Silica Gel for Selective Recovery of Rare Earth Elements. Chemistry Letters, 2014, 43, 1414-1416.	1.3	28

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19	Selective extraction of Pt(IV) over Fe(III) from HCl with an amide-containing tertiary amine compound. Separation and Purification Technology, 2017, 177, 176-181.	7.9	25
20	Development of New Extractants for Platinum Group Metals. Journal of MMIJ, 2011, 127, 175-181.	0.3	20
21	Structure of the Extracted Complex in the Ni(II)-LIX84I System and the Effect of D2EHPA Addition. Solvent Extraction and Ion Exchange, 2006, 24, 693-702.	2.0	19
22	Recent Research in Solvent Extraction of Platinum Group Metals. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2017, 81, 157-167.	0.4	19
23	Preparation of Polymeric Adsorbents Bearing Diglycolamic Acid Ligands for Rare Earth Elements. Industrial & Engineering Chemistry Research, 2018, 57, 11424-11430.	3.7	19
24	Separation of Rare Earth Elements from Base Metals in Concentrated HNO ₃ , H ₂ SO ₄ , and HCl Solutions with Diglycolamide. Solvent Extraction Research and Development, 2013, 20, 115-121.	0.4	18
25	Proton Chelating Ligands Drive Improved Chemical Separations for Rhodium. Inorganic Chemistry, 2019, 58, 8720-8734.	4.0	18
26	Selective Crystallization of Phosphoester Coordination Polymer for the Separation of Neodymium and Dysprosium: A Thermodynamic Approach. Journal of Physical Chemistry B, 2016, 120, 12730-12735.	2.6	17
27	Separation of neodymium and dysprosium by forming coordination polymers. Separation and Purification Technology, 2016, 157, 162-168.	7.9	17
28	Extraction and Structural Properties of Rhodium-Tin Complexes in Solution. Solvent Extraction and Ion Exchange, 2004, 22, 853-863.	2.0	16
29	Structural properties of the inner coordination sphere of indium chloride complexes in organic and aqueous solutions. Dalton Transactions, 2014, 43, 1630-1635.	3.3	16
30	Synergistic Extraction of Rhodium(III) from Hydrochloric Acid Solution with Tri-n-octylamine and Sulfide-type Extractants. Solvent Extraction and Ion Exchange, 2015, 33, 462-471.	2.0	16
31	Speciation of Ruthenium(III) Chloro Complexes in Hydrochloric Acid Solutions and Their Extraction Characteristics with an Amide-Containing Amine Compound. Metals, 2018, 8, 558.	2.3	16
32	Solubilization of Rhodium in Hydrochloric Acid Using an Alkali Metal Salt Method. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2020, 51, 377-385.	2.1	14
33	Structural study of holmium (III) and uranium (VI) organic ligand complexes by extended X-ray absorption fine-structure spectroscopy. Journal of Alloys and Compounds, 1998, 271-273, 184-188.	5.5	13
34	Comparison of the Extractabilities of Tetrachloro- and Tetrabromopalladate(II) Ions with a Thiodiglycolamide Compound. Analytical Sciences, 2017, 33, 1305-1309.	1.6	12
35	Improvement of the Extraction and Stripping Rates of Nickel in the Solvent Extraction System with LIX84I. Shigen-to-Sozai, 2004, 120, 440-445.	0.1	10
36	Inner-Sphere Structure of Rhodium Complexes with Tin(II) Chloride in Concentrated Hydrochloric Acid Solution. Bulletin of the Chemical Society of Japan, 2013, 86, 203-209.	3.2	10

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37	Solvent Extraction Equilibrium of Zinc from Nitrate Solutions with 2-Ethylhexylphosphonic Acid Mono-2-ethylhexyl Ester. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 16433-16437.	3.7	8
38	Nickel Recycling from Spent Electroless Nickel Plating Baths Using Solvent Extraction. <i>Kagaku Kogaku Ronbunshu</i> , 2010, 36, 201-206.	0.3	8
39	Structural studies of lanthanide(III) complexes with oxydiacetic acid and iminodiacetic acid in aqueous solution by EXAFS. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 672-673.	2.4	7
40	Diglycolamic Acid- Grafted Film-Type Adsorbent for Selective Recovery of Rare Earth Elements. <i>Solvent Extraction Research and Development</i> , 2016, 23, 121-126.	0.4	7
41	Equilibrium Modeling of the Extraction of Copper and Ammonia from Alkaline Media with the Extractant LIX84I. <i>Materials Transactions</i> , 2017, 58, 1427-1433.	1.2	7
42	Review of Recent Progress on Dissolution of Precious Metals and Speciation of Their Complexes in Aqueous Solutions. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2021, 85, 305-315.	0.4	7
43	Scenario assessment of neodymium recycling in Japan based on substance flow analysis and future demand forecast. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 2120-2132.	3.0	7
44	Studies on the Recycling Technologies for Rare Metals Mainly by Hydrometallurgical Methods. <i>Materia Japan</i> , 2011, 50, 161-167.	0.1	6
45	Environmentally friendly separation of dysprosium and neodymium by fractional precipitation of coordination polymers. <i>RSC Advances</i> , 2014, 4, 20496-20498.	3.6	6
46	Modeling of Equilibria for the Solvent Extraction of Ammonia with LIX84I. <i>Solvent Extraction Research and Development</i> , 2017, 24, 71-76.	0.4	6
47	Recycling Valuable Metals via Hydrometallurgical Routes. , 2012, , 507-512.		6
48	Selective Precipitation of Palladium(II) over Platinum(IV) in Hydrochloric Acid Solution by 2-Chloropyridine. <i>Chemistry Letters</i> , 2018, 47, 389-391.	1.3	5
49	Solvent extraction equilibrium modeling for the separation of ammonia, nickel(II), and copper(II) from the loaded LIX84-I. <i>Minerals Engineering</i> , 2021, 172, 107132.	4.3	5
50	Unique Anion-exchange Properties of 3,3'-Diaminobenzidine Resulting in High Selectivity for Rhodium(III) over Palladium(II) and Platinum(IV) in a Concentrated Hydrochloric Acid Solution. <i>Analytical Sciences</i> , 2019, 35, 1353-1360.	1.6	4
51	Structural Effect of Sulfide-Containing Diamides on the Extraction of Palladium(II) from HCl. <i>Solvent Extraction and Ion Exchange</i> , 2021, 39, 533-544.	2.0	4
52	Equilibrium Modeling for Solvent Extraction of Nickel and Ammonia from Alkaline Media with the Extractant LIX84-I. <i>Materials Transactions</i> , 2018, 59, 634-641.	1.2	3
53	Mechanism of Palladium(II) Adsorption from Nitric Acid Solutions by a Styrene-Divinylbenzene Copolymer Functionalized with $N,N,N\text{-}3\text{-trimethylglycine}$. <i>Solvent Extraction Research and Development</i> , 2019, 26, 11-19.	0.4	2
54	Reevaluating solvent extraction equilibria of trivalent rare earths with EHEHPA (PC-88A) using Alstad equation. <i>Hydrometallurgy</i> , 2021, 201, 105588.	4.3	2

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55	Speciation and separation of platinum(^{IV}) polynuclear complexes in concentrated nitric acid solutions. Dalton Transactions, 2021, 50, 11390-11397.	3.3	2
56	New Design of a Sample Cell for Neutron Reflectometry in Liquid-Liquid Systems and Its Application for Studying Structures at Air-Liquid and Liquid-Liquid Interfaces. Applied Sciences (Switzerland), 2022, 12, 1215.	2.5	2
57	Extraction of Trivalent Rare Earth Ions with an Acidic Tridentate Extractant, 6-(2,2,6,6-tetramethyl-5-oxo-1,2,3,4-tetrahydropyridine-3-carboxyl)-N,N-dimethyloctylcarbamoyl-Pyridine-2-Carboxylic Acid. Solvent Extraction Research and Development, 2022, 29, 1-7.	0.4	2
58	Small-angle neutron scattering study of specific interaction and coordination structure formed by mono-acetyl-substituted dibenzo-20-crown-6-ether and cesium ions. Journal of Nuclear Science and Technology, 2016, 53, 1205-1211.	1.3	1
59	Effect of HNO ₃ Concentration on the Pd(II) Extraction Properties using a Thiodiglycolamide Compound. Solvent Extraction Research and Development, 2019, 26, 43-49.	0.4	1
60	Synergism in the Extraction of Ru(III) by a Tri-n-octylamine-Di-n-hexylsulfide System. Solvent Extraction Research and Development, 2020, 27, 57-62.	0.4	1
61	Structure of the U(VI)-PARC18 Complex Studied by EXAFS. Journal of Nuclear Science and Technology, 2002, 39, 437-440.	1.3	0
62	Adsorbents for Selective Recovery of Heavy Rare Earth Elements. Minerals, Metals and Materials Series, 2017, , 219-224.	0.4	0
63	Phosphoester Coordination Polymer for the Mutual Separation of Lanthanide Ions. Bunseki Kagaku, 2017, 66, 783-796.	0.2	0
64	Equilibrium Modeling of Solvent Extraction and Stripping of Copper(II), Nickel(II), and Ammonia for Ammoniacal Process Using LIX® 84-I. Minerals, Metals and Materials Series, 2018, , 2009-2016.	0.4	0