

Man-Seung Lee

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164
papers

2,294
citations

25
h-index

36
g-index

169
ext. papers

2,727
ext. citations

3.1
avg. IF

6.12
L-index

#	Paper	IF	Citations
164	Separation of Pd(II) and Zn(II) from Sulfuric Acid Solution by Commercial Extractants. <i>Journal of Korean Institute of Metals and Materials</i> , 2022 , 60, 132-140	1	0
163	Separation of palladium and platinum metals by selective and simultaneous leaching and extraction with aqueous/non-aqueous solutions. <i>Hydrometallurgy</i> , 2022 , 208, 105814	4	3
162	A Modified Process for the Separation of Fe(III) and Cu(II) from the Sulfuric Acid Leaching Solution of Metallic Alloys of Reduction Smelted Spent Lithium-ion Batteries 2022 , 31, 12-20		1
161	Separation of Co(II), Ni(II), and Cu(II) from Sulfuric Acid Solution by Solvent Extraction 2022 , 31, 21-28		2
160	Separation of Pd(II) and Zn(II) by Solvent Extraction using Commercial Extractants from Hydrochloric Acid Leaching Solution of Cemented Pd from Spent Electroplating Solutions. <i>Journal of Korean Institute of Metals and Materials</i> , 2022 , 60, 188-197	1	0
159	Dissolution of Palladium Metal in Solvent Leaching System with the Presence of Oxidizing Agent. <i>Metals</i> , 2021 , 11, 575	2.3	1
158	Leaching of a Mixture of Palladium and Zinc Metal Using Hydrochloric and Sulfuric Acid Solutions. <i>Journal of Korean Institute of Metals and Materials</i> , 2021 , 59, 469-475	1	5
157	Solvent Extraction of Ti(IV) from Hydrochloric Acid Leaching Solution of Ilmenite. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2021 , 42, 312-320	3.1	4
156	A Review on Germanium Resources and its Extraction by Hydrometallurgical Method. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2021 , 42, 406-426	3.1	7
155	A Review on Hydrometallurgical Processes for the Recovery of Valuable Metals from Spent Catalysts and Life Cycle Analysis Perspective. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2021 , 42, 335-354	3.1	16
154	Recovery of pure molybdenum and vanadium compounds from spent petroleum catalysts by treatment with ionic liquid solution in the presence of oxidizing agent. <i>Separation and Purification Technology</i> , 2021 , 255, 117734	8.3	8
153	Separation of Co(II), Ni(II), Mn(II) and Li(I) from synthetic sulfuric acid leaching solution of spent lithium ion batteries by solvent extraction. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 1205-1217	3.5	8
152	Purification of the Sodium Hydroxide Leaching Solution of Black Dross by Removal of Silicate(IV) with Polyacrylamide (PAM). <i>Mineral Processing and Extractive Metallurgy Review</i> , 2021 , 42, 9-16	3.1	3
151	Recovery of Pure Pd(II) from Spent Electroplating Solutions by Solvent Extraction with Ionic Liquids from Sulfuric Acid Leaching Solution of Cemented Pd. <i>Metals</i> , 2021 , 11, 1320	2.3	0
150	Separation of cobalt, nickel, and copper metal using the mixture of HCl in ethylene glycol and Aliquat 336 in kerosene. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 2333-2344	5.5	1
149	Separation of Lanthanum(III) by Selective Precipitation from Sulfuric Acid Solution Containing Iron(III) 2021 , 30, 31-38		
148	Leaching of Cobalt and Nickel from Metallic Mixtures by Inorganic and Organic Acid Solutions 2021 , 30, 53-60		3

147	The Status of Domestic and International Quality Standards for Recycled Nickel Sulfate and Comparison of Electroplating Performance Between Reagent and Recycled Products 2021 , 30, 55-62		
146	Comparison of the Chemical Reactivity between Sulfuric and Methanesulfonic Acids as a Leaching Agent 2021 , 30, 41-46		
145	Leaching of Smelting Reduced Metallic Alloy of Spent Lithium Ion Batteries by the Mixture of Hydrochloric Acid and H ₂ O ₂ 2021 , 30, 25-31		3
144	A Study on Optimization of Nitric Acid Leaching and Roasting Process for Selective Lithium Leaching of Spent Batteries Cell Powder 2021 , 30, 43-52		2
143	Recovery of Pure Ni(II) Compound by Precipitation from Hydrochloric Acid Solution Containing Si(IV) 2021 , 30, 36-42		1
142	A Study on the Electrolytic Process for Palladium Separation from Recovered Crude Metal of Electronic Waste 2021 , 30, 76-82		
141	Separation of Gallium(III) and Indium(III) by Solvent Extraction with Ionic Liquids from Hydrochloric Acid Solution. <i>Processes</i> , 2020 , 8, 1347	2.9	2
140	An overview of molecular extractants in room temperature ionic liquids and task specific ionic liquids for the partitioning of actinides/lanthanides. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020 , 325, 1-31	1.5	19
139	Analysis of the interaction in the mixture of organophosphorus acids and Aliquat 336 through the measurement of dielectric constant and viscosity. <i>Journal of Molecular Liquids</i> , 2020 , 315, 113738	6	5
138	Synthesis of succinimide based ionic liquids and comparison of extraction behavior of Co(II) and Ni(II) with bi-functional ionic liquids synthesized by Aliquat336 and organophosphorus acids. <i>Separation and Purification Technology</i> , 2020 , 238, 116496	8.3	13
137	Separation of Al(III), Mo(VI), Ni(II), and V(V) from model hydrochloric acid leach solutions of spent petroleum catalyst by solvent extraction. <i>Journal of Chemical Technology and Biotechnology</i> , 2020 , 95, 2886-2897	3.5	5
136	Interactions Between Ionic Liquid (ALiCY) and TBP and their Use in Hydrometallurgy for Extracting Co(II) and Ni(II). <i>Journal of Korean Institute of Metals and Materials</i> , 2020 , 58, 423-432	1	3
135	Separation of Co(II), Cu(II), Ni(II) and Mn(II) from synthetic hydrochloric acid leaching solution of spent lithium ion batteries by solvent extraction. <i>Physicochemical Problems of Mineral Processing</i> , 2020 , 56, 599-610	1.3	6
134	Solvent Extraction Separation of Co(II) and Ni(II) from Weak Hydrochloric Acid Solution with Ionic Liquids Synthesized from Organophosphorus Acids. <i>Journal of the Korean Institute of Resources Recycling</i> , 2020 , 29, 55-63	0.3	2
133	Solvent Extraction of Co(II) and Cu(II) from Hydrochloric Acid Solution of Spent Lithium-ion Batteries Containing Li(I), Mn(II), and Ni(II). <i>Journal of the Korean Institute of Resources Recycling</i> , 2020 , 29, 73-80	0.3	2
132	Separation of Mo(VI), V(V), Ni(II), Al(III) from synthetic hydrochloric acidic leaching solution of spent catalysts by solvent extraction with ionic liquid. <i>Separation and Purification Technology</i> , 2020 , 247, 117005	8.3	15
131	Review on the Comparison of the Chemical Reactivity of Cyanex 272, Cyanex 301 and Cyanex 302 for Their Application to Metal Separation from Acid Media. <i>Metals</i> , 2020 , 10, 1105	2.3	7
130	Comparison of Extraction Ability between a Mixture of Alamine 336/Aliquat 336 and D2EHPA and Ionic Liquid ALI-D2 from Weak Hydrochloric Acid Solution. <i>Metals</i> , 2020 , 10, 1678	2.3	1

129	A Review on the Recovery of Noble Metals from Anode Slimes. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2020 , 41, 130-143	3.1	13
128	Hydrometallurgical Treatment of Elemental Sulfur in Spent Catalysts by Aqueous and Nonaqueous Solutions at Low Temperature. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2020 , 41, 217-226	3.1	3
127	Development of a hydrometallurgical process for the recovery of pure alumina from black dross and synthesis of magnesium spinel. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 2568-2577	5.5	9
126	Effect of Flux on Recovery of Aluminum During Molten Metal Treatment of Aluminum Can Scrap. <i>Journal of the Korean Institute of Resources Recycling</i> , 2020 , 29, 70-80	0.3	
125	Solvent Extraction of Hydrochloric Acid Using Commercial Extractants and Synthesized Ionic Liquids. <i>Journal of the Korean Institute of Resources Recycling</i> , 2020 , 29, 79-87	0.3	
124	Recoveries of Ru(III) and Co(II) by Solvent Extraction and Ion Exchange from Tungsten Carbide-Cobalt Scrap through a HCl Leaching Solution. <i>Metals</i> , 2019 , 9, 858	2.3	6
123	The Removal of Silicate(IV) by Adsorption onto Hydrocalumite from the Sodium Hydroxide Leaching Solution of Black Dross. <i>Processes</i> , 2019 , 7, 612	2.9	2
122	Application of the data on dielectric constant and viscosity of binary mixtures to the selection of synergistic solvent extraction-binary mixtures of Cyanex and tertiary amine (TEHA). <i>Journal of Molecular Liquids</i> , 2019 , 289, 111112	6	5
121	A Process for the Separation of Noble Metals from HCl Liquor Containing Gold(III), Palladium(II), Platinum(IV), Rhodium(III), and Iridium(IV) by Solvent Extraction. <i>Processes</i> , 2019 , 7, 243	2.9	9
120	Development of a hydrometallurgical process for the recovery of gold and silver powders from anode slime containing copper, nickel, tin, and zinc. <i>Gold Bulletin</i> , 2019 , 52, 69-77	1.6	10
119	Speciation of alumina in aqueous solution and its interaction with silicate ion. <i>Geosystem Engineering</i> , 2019 , 22, 232-238	1.2	2
118	A Review on the Recovery of Titanium Dioxide from Ilmenite Ores by Direct Leaching Technologies. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2019 , 40, 231-247	3.1	21
117	Recent advances in metal extraction improvement: Mixture systems consisting of ionic liquid and molecular extractant. <i>Separation and Purification Technology</i> , 2019 , 210, 292-303	8.3	48
116	Extraction and stripping behavior of hydrochloric acid from aqueous solution by Cyanex 923/TEHA and its mixtures. <i>Geosystem Engineering</i> , 2019 , 22, 129-137	1.2	3
115	Comparison of the Extraction and Stripping Behavior of Iron (III) from Weak Acidic Solution Between Ionic Liquids and Commercial Extractants. <i>Journal of Korean Institute of Metals and Materials</i> , 2019 , 57, 787-794	1	8
114	Improvement of Alumina Dissolution from the Mechanically Activated Dross Using Ultrasound-Assisted Leaching. <i>Journal of Korean Institute of Metals and Materials</i> , 2019 , 57, 154-161	1	3
113	Extraction Behavior of Hydrogen Ion by an Ionic Liquid Mixture of Aliquat 336 and Cyanex 272 in Chloride Solution. <i>Journal of Korean Institute of Metals and Materials</i> , 2019 , 57, 162-169	1	11
112	Selective Extraction of Cu(II) from Sulfuric Acid Leaching Solutions of Spent Lithium Ion Batteries Using Cyanex 301. <i>Journal of Korean Institute of Metals and Materials</i> , 2019 , 57, 596-602	1	6

111	Separation of Tb(III) and Dy(III) from Chloride Solution by Extraction and Scrubbing with Ionic Liquid Prepared with Cyanex 272 and Aliquat 336. <i>Journal of Korean Institute of Metals and Materials</i> , 2019 , 57, 499-505	1	0
110	Synthesis of Magnesium Aluminate Spinel Powder from the Purified Sodium Hydroxide Leaching Solution of Black Dross. <i>Processes</i> , 2019 , 7, 741	2.9	3
109	A Review on Separation of Gallium and Indium from Leach Liquors by Solvent Extraction and Ion Exchange. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2019 , 40, 278-291	3.1	15
108	A Review on the Separation of Niobium and Tantalum by Solvent Extraction. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2019 , 40, 265-277	3.1	11
107	Recovery of gold(III) from the stripping solution containing palladium(II) by ion exchange and synthesis of gold particles. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 69, 255-262	6.3	11
106	Separation of Pd(II) and Pt(IV) from hydrochloric acid solutions by solvent extraction with Cyanex 301 and LIX 63. <i>Minerals Engineering</i> , 2018 , 115, 13-20	4.9	29
105	Separation of iridium(IV) and rhodium(III) from hydrochloric acid solution by solvent extraction with Cyanex 921. <i>Geosystem Engineering</i> , 2018 , 21, 210-216	1.2	3
104	Recovery of metals from chloride leach solutions of anode slimes by solvent extraction. Part II: Recovery of silver and copper with LIX 63 and Alamine 336. <i>Hydrometallurgy</i> , 2018 , 180, 49-57	4	15
103	Potential connections between the interaction and extraction performance of mixed extractant systems: A short review. <i>Journal of Molecular Liquids</i> , 2018 , 268, 667-676	6	18
102	Ball Milling Treatment of Black Dross for Selective Dissolution of Alumina in Sodium Hydroxide Leaching. <i>Processes</i> , 2018 , 6, 29	2.9	13
101	A Review on the Separation of Lithium Ion from Leach Liquors of Primary and Secondary Resources by Solvent Extraction with Commercial Extractants. <i>Processes</i> , 2018 , 6, 55	2.9	34
100	Recovery of metals from chloride leach solutions of anode slimes by solvent extraction. Part I: Recovery of gold with Cyanex 272. <i>Hydrometallurgy</i> , 2018 , 180, 58-64	4	23
99	A Short Review of the Separation of Iridium and Rhodium from Hydrochloric Acid Solutions by Solvent Extraction. <i>Journal of Solution Chemistry</i> , 2018 , 47, 1373-1394	1.8	8
98	Solvent Extraction of Tb(III) from Hydrochloric Acid Solution with Cyanex 272, Its Mixture and Ionic Liquid. <i>Journal of Korean Institute of Metals and Materials</i> , 2018 , 56, 870-877	1	10
97	Separation of Pt(IV), Rh(III) and Fe(III) in acid chloride leach solutions of glass scraps by solvent extraction with various extractants. <i>Hydrometallurgy</i> , 2018 , 175, 232-239	4	16
96	Separation of gold(III) from hydrochloric acid solution containing platinum(IV) and palladium(II) by solvent extraction with Cyanex 272 and LIX 63. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 59, 328-334	6.3	20
95	Separation of Ag(I) by Ion Exchange and Cementation from a Raffinate Containing Ag(I), Ni(II) and Zn(II) and Traces of Cu(II) and Sn(II). <i>Processes</i> , 2018 , 6, 112	2.9	3
94	Comparison of separation behavior of Ir(IV) and Rh(III) between tin(II) chloride and ascorbic acid as a reducing agent in the extraction with Cyanex 921 and Cyanex 301. <i>Solvent Extraction and Ion Exchange</i> , 2018 , 36, 272-285	2.5	3

93	Leaching of gold and silver from anode slime with a mixture of hydrochloric acid and oxidizing agents. <i>Geosystem Engineering</i> , 2017 , 20, 216-223	1.2	22
92	Separation of rhenium(VII), molybdenum(VI), and vanadium(V) from hydrochloric acid solution by solvent extraction with TBP. <i>Geosystem Engineering</i> , 2017 , 20, 224-230	1.2	9
91	Synergistic extraction of Co(II) over Ni(II) from chloride solutions by a mixture of Cyanex 301 and LIX 63. <i>Geosystem Engineering</i> , 2017 , 20, 311-317	1.2	5
90	Recovery of Co(II) and Ni(II) from chloride leach solution of nickel laterite ore by solvent extraction with a mixture of Cyanex 301 and TBP. <i>Journal of Molecular Liquids</i> , 2017 , 240, 345-350	6	15
89	Separation of molybdenum(VI), rhenium(VII), tungsten(VI), and vanadium(V) by solvent extraction. <i>Hydrometallurgy</i> , 2017 , 171, 298-305	4	33
88	Separation of Co(II) and Ni(II) from chloride leach solution of nickel laterite ore by solvent extraction with Cyanex 301. <i>International Journal of Mineral Processing</i> , 2017 , 166, 45-52		27
87	Methods for the substitution of common saponification systems for the solvent extraction of REEs. <i>Geosystem Engineering</i> , 2017 , 20, 111-118	1.2	2
86	Leaching of Gold and Silver from Anode Slime with Inorganic Reagents. <i>Journal of the Korean Institute of Resources Recycling</i> , 2017 , 26, 30-36	0.3	2
85	Determination of viscosity and dielectric constant for studying the interactions in binary mixtures of organophosphorus acid and tertiary amine. <i>Journal of Molecular Liquids</i> , 2016 , 222, 233-238	6	9
84	Selective recovery of Fe(III), Pd(II), Pt(IV), Rh(III) and Ce(III) from simulated leach liquors of spent automobile catalyst by solvent extraction and cementation. <i>Korean Journal of Chemical Engineering</i> , 2016 , 33, 2684-2690	2.8	15
83	A review on the aqueous chemistry of Zr(IV) and Hf(IV) and their separation by solvent extraction. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 39, 1-9	6.3	41
82	A review on the separation of molybdenum, tungsten, and vanadium from leach liquors of diverse resources by solvent extraction. <i>Geosystem Engineering</i> , 2016 , 19, 247-259	1.2	54
81	Separation of Ir(IV) and Rh(III) from strong hydrochloric acid solutions by solvent extraction with amines. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 36, 245-250	6.3	16
80	Analysis of the Interaction between Organophosphorus Acid and Tertiary Amine Extractants in the Binary Mixtures by Fourier Transform Infrared Spectroscopy (FT-IR). <i>Solvent Extraction and Ion Exchange</i> , 2016 , 34, 74-85	2.5	26
79	Development of a separation process for the selective extraction of hafnium(IV) over zirconium(IV) from sulfuric acid solutions by using D2EHPA. <i>Hydrometallurgy</i> , 2016 , 160, 12-17	4	18
78	Solvent extraction reaction of hafnium(IV) from strong sulfuric acid solutions with D2EHPA and PC 88A. <i>Separation Science and Technology</i> , 2016 , 51, 759-766	2.5	10
77	Effect of HCl Concentration on the Oxidation of LIX 63 and the Subsequent Separation of Pd(II), Pt(IV), Ir(IV) and Rh(III) by Solvent Extraction. <i>Journal of Korean Institute of Metals and Materials</i> , 2016 , 54, 768-774	1	8
76	Separation of Molybdenum and Tungsten from Sulfuric acid Solution by Solvent Extraction with Alamine 336. <i>Journal of the Korean Institute of Resources Recycling</i> , 2016 , 25, 16-23	0.3	3

75	Solvent Extraction of Zr(IV) and Hf(IV) from Sulfuric Acid Solutions by Acidic Extractants and Their Mixtures with TBP. <i>Journal of the Korean Institute of Resources Recycling</i> , 2016 , 25, 3-9	0.3	4
74	Separation of cobalt and nickel from chloride leach solution of nickel laterite ore by solvent extraction. <i>Geosystem Engineering</i> , 2016 , 19, 214-221	1.2	13
73	Separation of Pt(IV), Pd(II), Rh(III) and Ir(IV) from concentrated hydrochloric acid solutions by solvent extraction. <i>Hydrometallurgy</i> , 2016 , 164, 71-77	4	63
72	Regeneration of a binary mixture of Cyanex 272 and Alamine 336 for the solvent extraction of rare earths elements by treatment with sodium hydroxide solution. <i>Journal of Molecular Liquids</i> , 2016 , 219, 411-416	6	6
71	Solvent extraction of cobalt and nickel from chloride solution by mixtures of acidic organophosphorous extractants and amines. <i>Geosystem Engineering</i> , 2016 , 19, 261-265	1.2	6
70	Effect of the diluents on the interaction between components in the binary mixtures of organophosphorus acid and tertiary amine. <i>Journal of Molecular Liquids</i> , 2016 , 220, 41-48	6	13
69	Solvent extraction of praseodymium(III) from chloride solutions by a mixture of Cyanex 301 and LIX 63. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 26, 286-290	6.3	14
68	Solvent extraction of Pr and Nd from chloride solutions using ternary extractant system of Cyanex 272, Alamine 336 and TBP. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 31, 74-79	6.3	22
67	Separation of molybdenum(VI) and tungsten(VI) from sulfate solutions by solvent extraction with LIX 63 and PC 88A. <i>Hydrometallurgy</i> , 2015 , 155, 51-55	4	29
66	Separation of Co and Ni from a chloride leach solutions of laterite ore by solvent extraction with extractant mixtures. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 28, 322-327	6.3	22
65	Extraction of hydrochloric acid with binary mixtures of tertiary amine and organophosphorus acid and analysis of the interaction between the constituents of these mixtures. <i>Hydrometallurgy</i> , 2015 , 155, 44-50	4	22
64	Separation of Molybdenum(VI) and Tungsten(VI) from Sulfuric Acid Solution by Ion Exchange with TEVA Resin. <i>Separation Science and Technology</i> , 2015 , 150527095459001	2.5	3
63	Separation of platinum(IV) and palladium(II) from concentrated hydrochloric acid solutions by mixtures of amines with neutral extractants. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 32, 238-245	6.3	47
62	Solvent extraction of vanadium(V) from sulfate solutions using LIX 63 and PC 88A. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 31, 118-123	6.3	37
61	Separation of Pr and Nd from La in chloride solution by extraction with a mixture of Cyanex 272 and Alamine 336. <i>Metals and Materials International</i> , 2015 , 21, 944-949	2.4	11
60	Development of a hydrometallurgical process for the recovery of calcium molybdate and cobalt oxalate powders from spent hydrodesulphurization (HDS) catalyst. <i>Journal of Cleaner Production</i> , 2015 , 90, 388-396	10.3	33
59	Separation of Nd from mixed chloride solutions with Pr by extraction with saponified PC 88A and scrubbing. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 436-442	6.3	18
58	Solvent Extraction for the Separation of Zr and Hf from Aqueous Solutions. <i>Separation and Purification Reviews</i> , 2015 , 44, 199-215	7.3	23

57	A Study on the Separation of Co(II), Ni(II), and Mg(II) by Solvent Extraction with Cationic Extractants. <i>Bulletin of the Korean Chemical Society</i> , 2015 , 36, 2646-2650	1.2	6
56	Separation of Hf(IV)/Zr(IV) in H ₂ SO ₄ solutions using solvent extraction with D2EHPA or Cyanex 272 at different reagent and metal ion concentrations. <i>Hydrometallurgy</i> , 2015 , 152, 84-90	4	20
55	Separation of Zr and Hf from sulfuric acid solutions with amine-based extractants by solvent extraction. <i>Separation and Purification Technology</i> , 2015 , 142, 83-89	8.3	23
54	Solvent extraction equilibrium and modeling studies of manganese from sulfate solutions by a mixture of Cyanex 301 and TBP. <i>Hydrometallurgy</i> , 2014 , 144-145, 1-6	4	17
53	Separation of zirconium and hafnium from nitric acid solutions with LIX 63, PC 88A and their mixture by solvent extraction. <i>Hydrometallurgy</i> , 2014 , 150, 153-160	4	19
52	Selective extraction of Hf(IV) over Zr(IV) from aqueous H ₂ SO ₄ solutions by solvent extraction with acidic organophosphorous based extractants. <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 1712-1719	3.5	15
51	Separation of Vanadium and Tungsten from Sodium Molybdate Solution by Solvent Extraction. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8608-8614	3.9	53
50	Separation of Ce and La from Synthetic Chloride Leach Solution of Monazite Sand by Precipitation and Solvent Extraction. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2014 , 45, 2009-2017	2.5	17
49	Solvent extraction of Pr and Nd from chloride solution by the mixtures of Cyanex 272 and amine extractants. <i>Hydrometallurgy</i> , 2014 , 150, 61-67	4	49
48	Recovery of molybdenum and vanadium with high purity from sulfuric acid leach solution of spent hydrodesulfurization catalysts by ion exchange. <i>Hydrometallurgy</i> , 2014 , 147-148, 142-147	4	35
47	Extraction and stripping of inorganic acids by Tris 2-ethylhexyl Amine. <i>Journal of Korean Institute of Metals and Materials</i> , 2014 , 52, 799-803	1	5
46	Separation of Zr from Hf in acidic chloride solutions by using TOPO and its mixture with other extractants. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013 , 298, 259-264	1.5	16
45	Chemical Model on the Synergistic Solvent Extraction of Manganese(II) from Chloride Solutions by a Mixture of Cyanex 272 and Cyanex 301. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 2881-2886	2.8	2
44	Separation of Zr and Hf from strong hydrochloric acid solution by solvent extraction with TEHA. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013 , 295, 1537-1543	1.5	15
43	Synergistic solvent extraction of manganese(II) with a mixture of Cyanex 272 and Cyanex 301 from chloride solutions. <i>Hydrometallurgy</i> , 2013 , 140, 89-94	4	15
42	Recovery of valuable metals and regeneration of acid from the leaching solution of spent HDS catalysts by solvent extraction. <i>Hydrometallurgy</i> , 2013 , 133, 161-167	4	46
41	Separation of molybdenum and vanadium from acid solutions by ion exchange. <i>Hydrometallurgy</i> , 2013 , 136, 65-70	4	34
40	Removal of Mo and Fe from the Cobalt Chloride Solution by Ion Exchange during the Recovery Process from Spent Hydrodesulfurization Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 10028-10032	3.9	6

39	Recovery of Molybdenum and Vanadium from Acidic Leaching Solution of Spent Catalysts by Solvent Extraction. <i>Journal of the Korean Institute of Resources Recycling</i> , 2013 , 22, 3-11	0.3	4
38	Recovery of HCl from Chloride Leach Solution of Spent HDS Catalyst by Solvent Extraction. <i>Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa</i> , 2013 , 34, 153-163		21
37	Separation of Mo from Chloride Leach Liquors of Petroleum Refining Catalysts by Ion Exchange. <i>Materials Transactions</i> , 2013 , 54, 1750-1754	1.3	3
36	Solvent Extraction of Zirconium and Hafnium from Hydrochloric Acid Solutions Using Acidic Organophosphorus Extractants and Their Mixtures with TOPO. <i>Materials Transactions</i> , 2013 , 54, 1460-1468	1.3	25
35	Recovery of Platinum from Chloride Leaching Solution of Spent Catalysts by Solvent Extraction. <i>Materials Transactions</i> , 2013 , 54, 74-80	1.3	17
34	Solvent Extraction Separation of Mo and Co from Chloride Solution Containing Al. <i>Materials Transactions</i> , 2013 , 54, 61-65	1.3	3
33	Separation of Platinum(IV) and Rhodium(III) from Acidic Chloride Solution by Solvent Extraction with Tri 2-Ethylhexyl Amine(TEHA). <i>Journal of the Korean Institute of Resources Recycling</i> , 2013 , 22, 29-34	0.3	1
32	Process development for the separation and recovery of Mo and Co from chloride leach liquors of petroleum refining catalyst by solvent extraction. <i>Journal of Hazardous Materials</i> , 2012 , 213-214, 1-6	12.8	37
31	Separation of Zr from Hf in Hydrochloric Acid Solution Using Amine-Based Extractants. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 9652-9660	3.9	30
30	Solvent extraction separation of La from chloride solution containing Pr and Nd with Cyanex 272. <i>Hydrometallurgy</i> , 2012 , 121-124, 74-80	4	57
29	Separation of Pt from hydrochloric acid leaching solution of spent catalysts by solvent extraction and ion exchange. <i>Hydrometallurgy</i> , 2011 , 110, 91-98	4	28
28	Ionic Equilibria and Ion Exchange of Molybdenum(VI) from Strong Acid Solution. <i>Bulletin of the Korean Chemical Society</i> , 2011 , 32, 3687-3691	1.2	25
27	Distribution of Zr(IV) Ion Species in Aqueous Solution. <i>Journal of the Korean Institute of Resources Recycling</i> , 2011 , 20, 56-62	0.3	4
26	Separation of Rh(III) from the Mixed Chloride Solutions Containing Pt(IV) and Pd(II) by Extraction with Alamine336. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 1945-1950	1.2	12
25	Solvent Extraction of PtCl ₄ from Hydrochloric Acid Solution with Alamine336. <i>Materials Transactions</i> , 2008 , 49, 2823-2828	1.3	17
24	Solvent Extraction of Mn(II) from Strong Hydrochloric Acid Solutions by Alamine336. <i>Materials Transactions</i> , 2008 , 49, 2642-2647	1.3	7
23	Use of the bromley equation for the analysis of ionic equilibria in mixed ferric and ferrous chloride solutions at 25 °C. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2006 , 37, 173-179	2.5	9
22	Solvent Extraction of Gd from Chloride Solution with PC88A. <i>Materials Transactions</i> , 2005 , 46, 259-262	1.3	2

21	Chemical Equilibria in a Mixed Solution of Nickel and Cobalt Chloride. <i>Materials Transactions</i> , 2005 , 46, 59-63	1.3	13
20	Solvent extraction of neodymium ions from hydrochloric acid solution using PC88A and saponified PC88A. <i>Separation and Purification Technology</i> , 2005 , 46, 72-78	8.3	70
19	Separation of iron and nickel from a spent FeCl ₃ etching solution by solvent extraction. <i>Hydrometallurgy</i> , 2005 , 80, 163-169	4	26
18	Chemical model for the solvent extraction of GdCl ₃ from a chloride solution with saponified PC88A. <i>Metals and Materials International</i> , 2005 , 11, 505-511	2.4	1
17	Influence of Lime/Limestone Addition on the SO ₂ and NO Formation during the Combustion of Coke Pellet. <i>ISIJ International</i> , 2004 , 44, 470-475	1.7	13
16	Analysis of ionic equilibria and electrowinning of indium from chloride solutions. <i>Scandinavian Journal of Metallurgy</i> , 2004 , 33, 279-285		7
15	Chemical equilibria in ferrous chloride acid solution. <i>Metals and Materials International</i> , 2004 , 10, 387-392.	2.4	8
14	Optimization of Thickness Uniformity in Electrodeposition onto a Patterned Substrate. <i>Materials Transactions</i> , 2004 , 45, 3005-3010	1.3	20
13	Estimation of Thermodynamic Properties and Ionic Equilibria of Cobalt Chloride Solution at 298 K. <i>Materials Transactions</i> , 2004 , 45, 1317-1321	1.3	9
12	Effect of Temperature on Equilibria in Synthetic Sulfuric Acid Leaching Solution of Zinc Calcine. <i>Materials Transactions</i> , 2004 , 45, 1748-1753	1.3	
11	Solvent Extraction Equilibria of FeCl ₃ with TBP. <i>Materials Transactions</i> , 2004 , 45, 1859-1863	1.3	15
10	Solvent Extraction Equilibria of FeCl ₃ from Hydrochloric Acid Solution with Alamine336. <i>Materials Transactions</i> , 2004 , 45, 2364-2368	1.3	23
9	Chemical Model of the FeCl ₃ -HCl-H ₂ O Solutions at 25°C. <i>Materials Transactions</i> , 2003 , 44, 957-961	1.3	11
8	Comparison of indium purification between vacuum refining and electrowinning. <i>Journal of Materials Science</i> , 2003 , 38, 4843-4848	4.3	8
7	Prediction of hydrogen ion activity in the ZnSO ₄ -Na ₂ SO ₄ -H ₂ SO ₄ -NaOH-H ₂ O system at 25 °C. <i>Hydrometallurgy</i> , 2003 , 68, 107-114	4	2
6	Recovery of copper, tin and lead from the spent nitric etching solutions of printed circuit board and regeneration of the etching solution. <i>Hydrometallurgy</i> , 2003 , 70, 23-29	4	88
5	Production of High-Purity Indium and Gallium Metals by Vacuum Refining. <i>Materials Transactions</i> , 2002 , 43, 3195-3198	1.3	9
4	A Kinetic Study on the Fe-Zn-P Coatings by Electrodeposition. <i>Materials Transactions</i> , 2001 , 42, 2567-2571.	1.3	2

3	Co, Ni, Cu, Fe, and Mn Integrated Recovery Process via Sulfuric Acid Leaching from Spent Lithium-ion Batteries Smelted Reduction Metallic Alloys. <i>Mineral Processing and Extractive Metallurgy Review</i> ,1-15	3.1	10
2	Separation of Cobalt, Nickel, and Copper from Synthetic Metallic Alloy by Selective Dissolution with Acid Solutions Containing Oxidizing Agent. <i>Mineral Processing and Extractive Metallurgy Review</i> ,1-13	3.1	8
1	Recovery of Cobalt, Nickel and Copper Compounds from UHT Processed Spent Lithium-ion Batteries by Hydrometallurgical Process. <i>Mineral Processing and Extractive Metallurgy Review</i> ,1-13	3.1	7