

Man-Seung Lee

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8025948/man-seung-lee-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
163	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
162	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
161	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
160	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
159	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
158	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
157	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
156	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
155	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
154	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
153	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
152	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
151	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
150	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
149	Separation of molybdenum and vanadium from acid solutions by ion exchange. <i>Hydrometallurgy</i> , 2013 , 136, 65-70	4	34
148	Separation of molybdenum(VI), rhenium(VII), tungsten(VI), and vanadium(V) by solvent extraction. <i>Hydrometallurgy</i> , 2017 , 171, 298-305	4	33

147	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
146	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
145	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
144	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
143	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
142	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
141	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
140	Separation of iron and nickel from a spent FeCl ₃ etching solution by solvent extraction. <i>Hydrometallurgy</i> , 2005 , 80, 163-169	4	26
139	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
138	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
137	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
136	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
135	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
134	Solvent Extraction Equilibria of FeCl ₃ from Hydrochloric Acid Solution with Alamine336. <i>Materials Transactions</i> , 2004 , 45, 2364-2368	1.3	23
133	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
132	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
131	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
130	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

129	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
128	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
127	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
126	Optimization of Thickness Uniformity in Electrodeposition onto a Patterned Substrate. <i>Materials Transactions</i> , 2004 , 45, 3005-3010	1.3	20
125	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
124	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
123	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
122	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
121	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
120	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
119	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
118	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
117	Recovery of Platinum from Chloride Leaching Solution of Spent Catalysts by Solvent Extraction. <i>Materials Transactions</i> , 2013 , 54, 74-80	1.3	17
116	Solvent Extraction of PtCl ₄ from Hydrochloric Acid Solution with Alamine336. <i>Materials Transactions</i> , 2008 , 49, 2823-2828	1.3	17
115	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
114	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
113	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
112	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

111	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
110	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
109	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
108	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
107	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
106	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
105	Solvent Extraction Equilibria of FeCl ₃ with TBP. <i>Materials Transactions</i> , 2004 , 45, 1859-1863	1.3	15
104	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
103	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
102	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
101	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
100	Ball Milling Treatment of Black Dross for Selective Dissolution of Alumina in Sodium Hydroxide Leaching. <i>Processes</i> , 2018 , 6, 29	2.9	13
99	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
98	Chemical Equilibria in a Mixed Solution of Nickel and Cobalt Chloride. <i>Materials Transactions</i> , 2005 , 46, 59-63	1.3	13
97	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
96	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
95	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
94	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

93	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
92	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
91	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
90	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
89	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
88	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
87	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
86	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
85	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
84	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
83	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
82	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
81	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
80	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
79	Production of High-Purity Indium and Gallium Metals by Vacuum Refining. <i>Materials Transactions</i> , 2002 , 43, 3195-3198	1.3	9
78	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
77	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
76	Chemical equilibria in ferrous chloride acid solution. <i>Metals and Materials International</i> , 2004 , 10, 387-392	2.4	8

75	Comparison of indium purification between vacuum refining and electrowinning. <i>Journal of Materials Science</i> , 2003 , 38, 4843-4848	4.3	8
74	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
73	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
72	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
71	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
70	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
69	Solvent Extraction of Mn(II) from Strong Hydrochloric Acid Solutions by Alamine336. <i>Materials Transactions</i> , 2008 , 49, 2642-2647	1.3	7
68	Analysis of ionic equilibria and electrowinning of indium from chloride solutions. <i>Scandinavian Journal of Metallurgy</i> , 2004 , 33, 279-285		7
67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	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
59	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
58	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

57	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
56	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
55	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
54	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
53	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
52	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
51	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
50	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
49	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
48	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
47	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
46	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
45	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
44	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
43	Solvent Extraction Separation of Mo and Co from Chloride Solution Containing Al. <i>Materials Transactions</i> , 2013 , 54, 61-65	1.3	3
42	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
41	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
40	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

39	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
38	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
37	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
36	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
35	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
34	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
33	Leaching of Cobalt and Nickel from Metallic Mixtures by Inorganic and Organic Acid Solutions 2021 , 30, 53-60		3
32	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
31	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
30	Speciation of alumina in aqueous solution and its interaction with silicate ion. <i>Geosystem Engineering</i> , 2019 , 22, 232-238	1.2	2
29	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
28	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
27	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
26	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
25	Solvent Extraction of Gd from Chloride Solution with PC88A. <i>Materials Transactions</i> , 2005 , 46, 259-262	1.3	2
24	A Kinetic Study on the Fe-Zn-P Coatings by Electrodeposition. <i>Materials Transactions</i> , 2001 , 42, 2567-2571	1.3	2
23	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
22	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

21	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
20	Separation of Co(II), Ni(II), and Cu(II) from Sulfuric Acid Solution by Solvent Extraction 2022 , 31, 21-28		2
19	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
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	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
16	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
15	Dissolution of Palladium Metal in Solvent Leaching System with the Presence of Oxidizing Agent. <i>Metals</i> , 2021 , 11, 575	2.3	1
14	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
13	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
12	Recovery of Pure Ni(II) Compound by Precipitation from Hydrochloric Acid Solution Containing Si(IV) 2021 , 30, 36-42		1
11	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
10	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
9	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
8	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
7	Effect of Temperature on Equilibria in Synthetic Sulfuric Acid Leaching Solution of Zinc Calcine. <i>Materials Transactions</i> , 2004 , 45, 1748-1753	1.3	
6	Separation of Lanthanum(III) by Selective Precipitation from Sulfuric Acid Solution Containing Iron(III) 2021 , 30, 31-38		
5	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		
4	Comparison of the Chemical Reactivity between Sulfuric and Methanesulfonic Acids as a Leaching Agent 2021 , 30, 41-46		

- 3 A Study on the Electrolytic Process for Palladium Separation from Recovered Crude Metal of Electronic Waste **2021**, 30, 76-82
- 2 Effect of Flux on Recovery of Aluminum During Molten Metal Treatment of Aluminum Can Scrap. *Journal of the Korean Institute of Resources Recycling*, **2020**, 29, 70-80 0.3
- 1 Solvent Extraction of Hydrochloric Acid Using Commercial Extractants and Synthesized Ionic Liquids. *Journal of the Korean Institute of Resources Recycling*, **2020**, 29, 79-87 0.3