

Mercedes RegadÃ- o

List of Publications by Year in descending order

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papers

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15466

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#	ARTICLE	IF	CITATIONS
1	Electrochemical oxidation of terbium(III) in aqueous media: influence of supporting electrolyte on oxidation potential and stability. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 583-593.	1.5	4
2	Recovery of copper, zinc and lead from photovoltaic panel residue. <i>RSC Advances</i> , 2022, 12, 2351-2360.	1.7	9
3	Continuous Counter-Current Ionic Liquid Metathesis in Mixer-Settlers: Efficiency Analysis and Comparison with Batch Operation. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 946-955.	3.2	4
4	Recovery of cobalt from lithium-ion battery cathode material by combining solvleaching and solvent extraction. <i>Green Chemistry</i> , 2022, 24, 2839-2852.	4.6	24
5	Combined Hydro-“Solvo”Bioleaching Approach toward the Valorization of a Sulfidic Copper Mine Tailing. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 684-693.	1.8	1
6	Solvometallurgical Process for the Recovery of Tungsten from Scheelite. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 754-764.	1.8	8
7	Separation of Rare Earths and Transition Metals Using Ionic-Liquid-Based Aqueous Biphasic Systems. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 5927-5935.	1.8	5
8	Gamma radiolytic stability of the novel modified diglycolamide 2,2-oxobis(<i>N,N</i> -didecylpropanamide) (mTDDGA) for grouped actinide extraction. <i>RSC Advances</i> , 2022, 12, 12416-12426.	1.7	9
9	Effect of polar molecular organic solvents on non-aqueous solvent extraction of rare-earth elements. <i>Separation and Purification Technology</i> , 2022, 294, 121197.	3.9	9
10	One-Step Solvometallurgical Process for Purification of Lithium Chloride to Battery Grade. <i>Journal of Sustainable Metallurgy</i> , 2022, 8, 893-899.	1.1	7
11	Separation of cobalt and nickel via solvent extraction with Cyanex-272: Batch experiments and comparison of mixer-settlers and an agitated column as contactors for continuous counter-current extraction. <i>Separation and Purification Technology</i> , 2022, 296, 121326.	3.9	21
12	Solvometallurgical process for the recovery of rare-earth elements from Nd-Fe-B magnets. <i>Separation and Purification Technology</i> , 2021, 258, 117800.	3.9	23
13	Chromatographic separation of rare earths from aqueous and ethanolic leachates of NdFeB and SmCo magnets by a supported ionic liquid phase. <i>RSC Advances</i> , 2021, 11, 8207-8217.	1.7	8
14	Removal of Cadmium, Zinc, and Manganese from Dilute Aqueous Solutions by Foam Separation. <i>Journal of Sustainable Metallurgy</i> , 2021, 7, 78-86.	1.1	6
15	Synthesis of polyaramids in γ -valerolactone-based organic electrolyte solutions. <i>Green Chemistry</i> , 2021, 23, 1228-1239.	4.6	6
16	Structural effects of neutral organophosphorus extractants on solvent extraction of rare-earth elements from aqueous and non-aqueous nitrate solutions. <i>Separation and Purification Technology</i> , 2021, 255, 117711.	3.9	36
17	Electrochemical behavior and electrodeposition of gallium in 1,2-dimethoxyethane-based electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 15492-15502.	1.3	6
18	Opposite selectivities of tri- <i>n</i> -butyl phosphate and Cyanex 923 in solvent extraction of lithium and magnesium. <i>AIChE Journal</i> , 2021, 67, e17219.	1.8	17

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19	Oxidative Dissolution of Metals in Organic Solvents. <i>Chemical Reviews</i> , 2021, 121, 4506-4530.	23.0	52
20	Antimony Recovery from Lead-Rich Dross of Lead Smelter and Conversion into Antimony Oxide Chloride (Sb ₄ O ₅ Cl ₂). <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5074-5084.	3.2	6
21	Recovery of Copper from Ammoniacal Leachates by Ion Flotation. <i>Journal of Sustainable Metallurgy</i> , 2021, 7, 1552-1564.	1.1	10
22	Thermodynamic Modeling of Salting Effects in Solvent Extraction of Cobalt(II) from Chloride Media by the Basic Extractant Methyltrioctylammonium Chloride. <i>ACS Omega</i> , 2021, 6, 11355-11366.	1.6	6
23	Determination of Chlorides in Ionic Liquids by Wavelength Dispersive X-ray Fluorescence Spectrometry. <i>ACS Omega</i> , 2021, 6, 13620-13625.	1.6	5
24	Mechanism of Ferric Chloride Facilitating Efficient Lithium Extraction from Magnesium-Rich Brine with Tri- <i>n</i> -butyl Phosphate. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 8538-8547.	1.8	15
25	Integrated Process for Recovery of Rare-Earth Elements from Lamp Phosphor Waste Using Methanesulfonic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 10319-10326.	1.8	13
26	Selective extraction of trivalent actinides using CyMe ₄ BTPPhen in the ionic liquid Aliquat-336 nitrate. <i>RSC Advances</i> , 2021, 11, 6014-6021.	1.7	9
27	Dissolution behavior of precious metals and selective palladium leaching from spent automotive catalysts by trihalide ionic liquids. <i>RSC Advances</i> , 2021, 11, 10110-10120.	1.7	18
28	Solvometallurgical Recovery of Platinum Group Metals from Spent Automotive Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 337-350.	3.2	44
29	Hard-Soft Interactions in Solvent Extraction with Basic Extractants: Comparing Zinc and Cadmium Halides. <i>ACS Omega</i> , 2021, 6, 27924-27935.	1.6	6
30	Dosimetry and methodology of gamma irradiation for degradation studies on solvent extraction systems. <i>Radiochimica Acta</i> , 2021, 109, 61-72.	0.5	7
31	Nonaqueous Solvent Extraction for Enhanced Metal Separations: Concept, Systems, and Mechanisms. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 17285-17302.	1.8	24
32	Development of a solvometallurgical process for the separation of yttrium and europium by Cyanex 923 from ethylene glycol solutions. <i>Separation and Purification Technology</i> , 2020, 235, 116193.	3.9	26
33	Supported ionic liquid phases for the separation of samarium and europium in nitrate media: Towards purification of medical samarium-153. <i>Separation and Purification Technology</i> , 2020, 232, 115939.	3.9	13
34	Separation of neodymium and dysprosium by solvent extraction using ionic liquids combined with neutral extractants: batch and mixer-settler experiments. <i>RSC Advances</i> , 2020, 10, 307-316.	1.7	43
35	Selective Roasting of Nd-Fe-B Permanent Magnets as a Pretreatment Step for Intensified Leaching with an Ionic Liquid. <i>Journal of Sustainable Metallurgy</i> , 2020, 6, 91-102.	1.1	26
36	Solvometallurgical process for extraction of copper from chalcopyrite and other sulfidic ore minerals. <i>Green Chemistry</i> , 2020, 22, 417-426.	4.6	42

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37	Solvent Extraction Studies for the Separation of Trivalent Actinides from Lanthanides with a Triazole-functionalized 1,10-phenanthroline Extractant. <i>Solvent Extraction and Ion Exchange</i> , 2020, 38, 719-734.	0.8	12
38	Selective Removal of Zinc from BOF Sludge by Leaching with Mixtures of Ammonia and Ammonium Carbonate. <i>Journal of Sustainable Metallurgy</i> , 2020, 6, 680-690.	1.1	21
39	Separation of precious metals by split-anion extraction using water-saturated ionic liquids. <i>Green Chemistry</i> , 2020, 22, 8375-8388.	4.6	41
40	Hydrometallurgical Processes for the Recovery of Metals from Steel Industry By-Products: A Critical Review. <i>Journal of Sustainable Metallurgy</i> , 2020, 6, 505-540.	1.1	53
41	Enhancing the solubility of 1,4-diaminoanthraquinones in electrolytes for organic redox flow batteries through molecular modification. <i>RSC Advances</i> , 2020, 10, 39601-39610.	1.7	9
42	Recovery of yttrium and europium from spent fluorescent lamps using pure levulinic acid and the deep eutectic solvent levulinic acid-choline chloride. <i>RSC Advances</i> , 2020, 10, 28879-28890.	1.7	33
43	Stability of ionic liquids in Brønsted-basic media. <i>Green Chemistry</i> , 2020, 22, 5225-5252.	4.6	38
44	Separation of Scandium from Hydrochloric Acid-Ethanol Leachate of Bauxite Residue by a Supported Ionic Liquid Phase. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 15332-15342.	1.8	6
45	Selection criteria of diluents of tri-n-butyl phosphate for recovering neodymium(III) from nitrate solutions. <i>Chemical Engineering Research and Design</i> , 2020, 161, 304-311.	2.7	7
46	Non-aqueous solvent extraction of indium from an ethylene glycol feed solution by the ionic liquid Cyphos IL 101: speciation study and continuous counter-current process in mixer-settlers. <i>RSC Advances</i> , 2020, 10, 24595-24612.	1.7	19
47	Solvent Extraction of Gold(III) with Diethyl Carbonate. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13713-13723.	3.2	34
48	Ammoniacal Solvleaching of Copper from High-Grade Chrysocolla. <i>Journal of Sustainable Metallurgy</i> , 2020, 6, 589-598.	1.1	6
49	Cation Effect of Chloride Salting Agents on Transition Metal Ion Hydration and Solvent Extraction by the Basic Extractant Methyltrioctylammonium Chloride. <i>Inorganic Chemistry</i> , 2020, 59, 13442-13452.	1.9	12
50	Separation of iron(III), zinc(II) and lead(II) from a choline chloride-ethylene glycol deep eutectic solvent by solvent extraction. <i>RSC Advances</i> , 2020, 10, 33161-33170.	1.7	18
51	γ-Valerolactone-based organic electrolyte solutions: a benign approach to polyaramid dissolution and processing. <i>Green Chemistry</i> , 2020, 22, 6127-6136.	4.6	8
52	Enhanced Separation of Neodymium and Dysprosium by Nonaqueous Solvent Extraction from a Polyethylene Glycol 200 Phase Using the Neutral Extractant Cyanex 923. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 19032-19039.	3.2	21
53	Image analysis data for the study of the reactivity of the phases in Nd-Fe-B magnets etched with HCl-saturated Cyphos IL 101. <i>Data in Brief</i> , 2020, 32, 106203.	0.5	1
54	Reversible electrodeposition and stripping of magnesium from solvate ionic liquid-tetrabutylammonium chloride mixtures. <i>RSC Advances</i> , 2020, 10, 42021-42029.	1.7	5

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55	Extraction Behavior and Separation of Precious and Base Metals from Chloride, Bromide, and Iodide Media Using Undiluted Halide Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2020, 8, 8223-8234.	3.2	23
56	Near-zero-waste processing of low-grade, complex primary ores and secondary raw materials in Europe: technology development trends. Resources, Conservation and Recycling, 2020, 160, 104919.	5.3	114
57	Effects of thiol substitution in deep-eutectic solvents (DESs) as solvents for metal oxides. RSC Advances, 2020, 10, 23484-23490.	1.7	15
58	One-pot synthesis of symmetric imidazolium ionic liquids <i>N,N</i> -disubstituted with long alkyl chains. RSC Advances, 2020, 10, 21071-21081.	1.7	7
59	Solvometallurgical recovery of cobalt from lithium-ion battery cathode materials using deep-eutectic solvents. Green Chemistry, 2020, 22, 4210-4221.	4.6	149
60	Hydration counteracts the separation of lanthanides by solvent extraction. AIChE Journal, 2020, 66, e16545.	1.8	16
61	Physicochemical study of diethylmethylammonium methanesulfonate under anhydrous conditions. Journal of Chemical Physics, 2020, 152, 234504.	1.2	8
62	Highly Soluble 1,4-Diaminoanthraquinone Derivative for Nonaqueous Symmetric Redox Flow Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 3832-3843.	3.2	44
63	Selective recovery of zinc from goethite residue in the zinc industry using deep-eutectic solvents. RSC Advances, 2020, 10, 7328-7335.	1.7	34
64	Selective Extraction of Americium from Curium and the Lanthanides by the Lipophilic Ligand CyMe ₄ BTPPhen Dissolved in Aliquat-336 Nitrate Ionic Liquid. Solvent Extraction and Ion Exchange, 2020, 38, 194-211.	0.8	20
65	Gamma Radiolysis of TODGA and CyMe ₄ BTPPhen in the Ionic Liquid Tri- <i>n</i> -Octylmethylammonium Nitrate. Solvent Extraction and Ion Exchange, 2020, 38, 212-235.	0.8	23
66	Selective removal of magnesium from lithium-rich brine for lithium purification by synergic solvent extraction using β -diketones and Cyanex 923. AIChE Journal, 2020, 66, e16246.	1.8	32
67	Recycling of bonded NdFeB permanent magnets using ionic liquids. Green Chemistry, 2020, 22, 2821-2830.	4.6	28
68	Selective leaching of lead from lead smelter residues using EDTA. RSC Advances, 2020, 10, 42147-42156.	1.7	8
69	THE ROLE OF NATURAL CLAYS IN THE SUSTAINABILITY OF LANDFILL LINERS. Detritus, 2020, , 100-113.	0.4	6
70	Samarium/cobalt separation by solvent extraction with undiluted quaternary ammonium ionic liquids. Separation and Purification Technology, 2019, 210, 209-218.	3.9	72
71	Enhancing Metal Separations Using Hydrophilic Ionic Liquids and Analogues as Complexing Agents in the More Polar Phase of Liquid-Liquid Extraction Systems. Industrial & Engineering Chemistry Research, 2019, 58, 15628-15636.	1.8	27
72	Recovery of Gallium, Indium, and Arsenic from Semiconductors Using Tribromide Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2019, 7, 14451-14459.	3.2	42

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73	Isolation of molybdenum(Mo) from simulated leachates of irradiated uranium-aluminum targets using diluted and undiluted sulfate ionic liquids. <i>Green Chemistry</i> , 2019, 21, 3948-3960.	4.6	6
74	Metal Recovery from Spent Samarium-Cobalt Magnets Using a Trichloride Ionic Liquid. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2578-2584.	3.2	63
75	Efficient and Sustainable Removal of Magnesium from Brines for Lithium/Magnesium Separation Using Binary Extractants. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19225-19234.	3.2	51
76	Recovery of Lead and Silver from Zinc Leaching Residue Using Methanesulfonic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19807-19815.	3.2	32
77	Methanesulfonic acid: a sustainable acidic solvent for recovering metals from the jarosite residue of the zinc industry. <i>Green Chemistry</i> , 2019, 21, 5394-5404.	4.6	46
78	Model for Metal Extraction from Chloride Media with Basic Extractants: A Coordination Chemistry Approach. <i>Inorganic Chemistry</i> , 2019, 58, 12289-12301.	1.9	52
79	Effect of Magnetic Susceptibility Gradient on the Magnetomigration of Rare-Earth Ions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23131-23139.	1.5	8
80	Integrated process for the recovery of yttrium and europium from CRT phosphor waste. <i>RSC Advances</i> , 2019, 9, 1378-1386.	1.7	14
81	A Study of the Occurrence of Selected Rare-Earth Elements in Neutralized-Leached Bauxite Residue and Comparison with Untreated Bauxite Residue. <i>Journal of Sustainable Metallurgy</i> , 2019, 5, 57-68.	1.1	14
82	<i>p</i> -Toluenesulfonic Acid-Based Deep-Eutectic Solvents for Solubilizing Metal Oxides. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3940-3948.	3.2	100
83	Selective Metal Recovery from Jarosite Residue by Leaching with Acid-Equilibrated Ionic Liquids and Precipitation-Stripping. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4239-4246.	3.2	40
84	Recovery of cobalt from dilute aqueous solutions using activated carbon-alginate composite spheres impregnated with Cyanex 272. <i>RSC Advances</i> , 2019, 9, 18734-18746.	1.7	10
85	Separation of GaCl_3 from AlCl_3 by Solid-Liquid Extraction and Stripping Using Anhydrous <i>n</i> -Dodecane and NaCl. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 12459-12464.	1.8	3
86	Degradation of Deep-Eutectic Solvents Based on Choline Chloride and Carboxylic Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11521-11528.	3.2	179
87	Enhancing Metal Separations by Liquid-Liquid Extraction Using Polar Solvents. <i>Chemistry - A European Journal</i> , 2019, 25, 9197-9201.	1.7	33
88	Removal of metallic coatings from rare-earth permanent magnets by solutions of bromine in organic solvents. <i>RSC Advances</i> , 2019, 9, 14910-14915.	1.7	8
89	Enhancing rare-earth recovery from lamp phosphor waste. <i>Hydrometallurgy</i> , 2019, 187, 38-44.	1.8	56
90	Tuning Solvent Miscibility: A Fundamental Assessment on the Example of Induced Methanol/ <i>n</i> -Dodecane Phase Separation. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4400-4407.	1.2	8

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91	Solvometallurgical route for the recovery of Sm, Co, Cu and Fe from SmCo permanent magnets. Separation and Purification Technology, 2019, 219, 281-289.	3.9	40
92	Yttrium and europium separation by solvent extraction with undiluted thiocyanate ionic liquids. RSC Advances, 2019, 9, 4876-4883.	1.7	28
93	Electrodeposition of indium from the ionic liquid trihexyl(tetradecyl)phosphonium chloride. Green Chemistry, 2019, 21, 1517-1530.	4.6	26
94	Recovery of Rare Earths from Bauxite Residue (Red Mud). World Scientific Series in Current Energy Issues, 2019, , 343-356.	0.1	3
95	Synthesis of Guerbet ionic liquids and extractants as \hat{I}^2 -branched biosourceable hydrophobes. Organic and Biomolecular Chemistry, 2019, 17, 9778-9791.	1.5	6
96	Selective ion-exchange separation of scandium(III) over iron(III) by crystalline \hat{I}^{\pm} -zirconium phosphate platelets under acidic conditions. Separation and Purification Technology, 2019, 215, 81-90.	3.9	30
97	Studies on the Thoria Fuel Recycling Loop Using Triflic Acid: Effects of Powder Characteristics, Solution Acidity, and Radium Behavior. Journal of Sustainable Metallurgy, 2019, 5, 118-126.	1.1	3
98	Selective recovery of indium from iron-rich solutions using an Aliquat 336 iodide supported ionic liquid phase (SILP). Separation and Purification Technology, 2019, 212, 843-853.	3.9	35
99	Methodologies and Developments in the Analysis of REEs. , 2019, , 365-373.		2
100	Metal coordination in the high-temperature leaching of roasted NdFeB magnets with the ionic liquid betainium bis(trifluoromethylsulfonyl)imide. RSC Advances, 2018, 8, 9299-9310.	1.7	30
101	Rare Earths and the Balance Problem: How to Deal with Changing Markets?. Journal of Sustainable Metallurgy, 2018, 4, 126-146.	1.1	194
102	Selective Substitution of POCl ₃ with Organometallic Reagents: Synthesis of Phosphinates and Phosphonates. Synthesis, 2018, 50, 2019-2026.	1.2	6
103	Extraction of rare earths from bauxite residue (red mud) by dry digestion followed by water leaching. Minerals Engineering, 2018, 119, 82-92.	1.8	117
104	Selective electrochemical extraction of REEs from NdFeB magnet waste at room temperature. Green Chemistry, 2018, 20, 1065-1073.	4.6	50
105	Solvation Structure of Sodium Bis(fluorosulfonyl)imide-Glyme Solvate Ionic Liquids and Its Influence on Cycling of Na-MNC Cathodes. Journal of Physical Chemistry B, 2018, 122, 275-289.	1.2	42
106	Ionic liquids with trichloride anions for oxidative dissolution of metals and alloys. Chemical Communications, 2018, 54, 475-478.	2.2	61
107	Ethylenediaminetriacetic Acid-Functionalized Activated Carbon for the Adsorption of Rare Earths from Aqueous Solutions. Industrial & Engineering Chemistry Research, 2018, 57, 1487-1497.	1.8	55
108	Efficient separation of rare earths recovered by a supported ionic liquid from bauxite residue leachate. RSC Advances, 2018, 8, 11886-11893.	1.7	27

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109	Cobalt liquid metal salts for high current density electrodeposition of cobalt. Dalton Transactions, 2018, 47, 4975-4986.	1.6	9
110	Low-Temperature Oxidation of Fine UO ₂ Powders: Thermochemistry and Kinetics. Inorganic Chemistry, 2018, 57, 4196-4204.	1.9	8
111	Separation of transition metals from rare earths by non-aqueous solvent extraction from ethylene glycol solutions using Aliquat 336. Separation and Purification Technology, 2018, 201, 318-326.	3.9	57
112	Effect of the diluent on the solvent extraction of neodymium(III) by bis(2-ethylhexyl)phosphoric acid (D2EHPA). Hydrometallurgy, 2018, 177, 146-151.	1.8	36
113	Purification of crude In(OH) ₃ using the functionalized ionic liquid betainium bis(trifluoromethylsulfonyl)imide. Green Chemistry, 2018, 20, 412-424.	4.6	21
114	Synthesis of Poly-p-phenylene Terephthalamide (PPTA) in Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2018, 6, 1362-1369.	3.2	28
115	Solvent Extraction of Am(III), Cm(III), and Ln(III) Ions from Simulated Highly Active Raffinate Solutions by TODGA Diluted in Aliquat-336 Nitrate Ionic Liquid. Solvent Extraction and Ion Exchange, 2018, 36, 519-541.	0.8	26
116	Split-anion solvent extraction of light rare earths from concentrated chloride aqueous solutions to nitrate organic ionic liquids. RSC Advances, 2018, 8, 34754-34763.	1.7	19
117	Magnetophoretic Sprinting: A Study on the Magnetic Properties of Aqueous Lanthanide Solutions. Journal of Physical Chemistry C, 2018, 122, 23675-23682.	1.5	13
118	Speciation of lanthanide ions in the organic phase after extraction from nitrate media by basic extractants. RSC Advances, 2018, 8, 32044-32054.	1.7	33
119	Selective Extraction of Rare-Earth Elements from NdFeB Magnets by a Room-Temperature Electrolysis Pretreatment Step. ACS Sustainable Chemistry and Engineering, 2018, 6, 9375-9382.	3.2	47
120	Multi-Gram Scale Synthesis of 1,2,3-Triazolium Ionic Liquids and Assay of Their Resistance towards Bases. European Journal of Organic Chemistry, 2018, 2018, 4850-4856.	1.2	14
121	Trihalide ionic liquids as non-volatile oxidizing solvents for metals. Green Chemistry, 2018, 20, 3327-3338.	4.6	56
122	Combined multi-step precipitation and supported ionic liquid phase chromatography for the recovery of rare earths from leach solutions of bauxite residues. Hydrometallurgy, 2018, 180, 229-235.	1.8	26
123	Recovery of rare earths from the green lamp phosphor LaPO ₄ :Ce ³⁺ , Tb ³⁺ (LAP) by dissolution in concentrated methanesulphonic acid. RSC Advances, 2018, 8, 26349-26355.	1.7	38
124	Mechanism for Solvent Extraction of Lanthanides from Chloride Media by Basic Extractants. Journal of Solution Chemistry, 2018, 47, 1351-1372.	0.6	16
125	Separation of samarium and europium by solvent extraction with an undiluted quaternary ammonium ionic liquid: towards high-purity medical samarium-153. RSC Advances, 2018, 8, 20077-20086.	1.7	27
126	Docusate Ionic Liquids: Effect of Cation on Water Solubility and Solvent Extraction Behavior. ChemPlusChem, 2017, 82, 458-466.	1.3	18

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127	Manganese-containing ionic liquids: synthesis, crystal structures and electrodeposition of manganese films and nanoparticles. Dalton Transactions, 2017, 46, 2497-2509.	1.6	11
128	Solvometallurgy: An Emerging Branch of Extractive Metallurgy. Journal of Sustainable Metallurgy, 2017, 3, 570-600.	1.1	178
129	Recovery of Rare Earths and Major Metals from Bauxite Residue (Red Mud) by Alkali Roasting, Smelting, and Leaching. Journal of Sustainable Metallurgy, 2017, 3, 393-404.	1.1	65
130	Selective alkaline stripping of metal ions after solvent extraction by base-stable 1,2,3-triazolium ionic liquids. Dalton Transactions, 2017, 46, 5269-5278.	1.6	20
131	Direct Analysis of Metal Ions in Solutions with High Salt Concentrations by Total Reflection X-ray Fluorescence. Analytical Chemistry, 2017, 89, 4595-4603.	3.2	32
132	Polymerization of PPTA in Ionic Liquid/Cosolvent Mixtures. Macromolecules, 2017, 50, 3089-3100.	2.2	15
133	Speciation of indium(ⁱⁱⁱ) chloro complexes in the solvent extraction process from chloride aqueous solutions to ionic liquids. Dalton Transactions, 2017, 46, 4412-4421.	1.6	38
134	Recovery of scandium from sulfation-roasted leachates of bauxite residue by solvent extraction with the ionic liquid betainium bis(trifluoromethylsulfonyl)imide. Separation and Purification Technology, 2017, 176, 208-219.	3.9	85
135	Recovery of scandium(ⁱⁱⁱ) from diluted aqueous solutions by a supported ionic liquid phase (SILP). RSC Advances, 2017, 7, 49664-49674.	1.7	34
136	Titanium alkylphosphate functionalised mesoporous silica for enhanced uptake of rare-earth ions. Journal of Materials Chemistry A, 2017, 5, 23805-23814.	5.2	17
137	Magnetomigration of Rare-Earth Ions Triggered by Concentration Gradients. Journal of Physical Chemistry Letters, 2017, 8, 5301-5305.	2.1	21
138	Separation of rare-earth ions from ethylene glycol (+LiCl) solutions by non-aqueous solvent extraction with Cyanex 923. RSC Advances, 2017, 7, 45351-45362.	1.7	31
139	Cobalt(ii)/nickel(ii) separation from sulfate media by solvent extraction with an undiluted quaternary phosphonium ionic liquid. RSC Advances, 2017, 7, 35992-35999.	1.7	46
140	Electrodeposition of bismuth telluride thin films containing silica nanoparticles for thermoelectric applications. Electrochimica Acta, 2017, 253, 554-562.	2.6	5
141	Neutralisation of bauxite residue by carbon dioxide prior to acidic leaching for metal recovery. Minerals Engineering, 2017, 112, 92-102.	1.8	37
142	Closed-loop solvometallurgical process for recovery of lead from iron-rich secondary lead smelter residues. RSC Advances, 2017, 7, 49999-50005.	1.7	16
143	Separation of rare earths and other valuable metals from deep-eutectic solvents: a new alternative for the recycling of used NdFeB magnets. RSC Advances, 2017, 7, 32100-32113.	1.7	107
144	Multifunctional Alginate-Sulfonate-Silica Sphere-Shaped Adsorbent Particles for the Recovery of Indium(III) from Secondary Resources. Industrial & Engineering Chemistry Research, 2017, 56, 8677-8688.	1.8	14

#	ARTICLE	IF	CITATIONS
145	Use of Triflic Acid in the Recycling of Thoria from Nuclear Fuel Production Scrap. <i>Journal of Sustainable Metallurgy</i> , 2017, 3, 659-667.	1.1	7
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