Mercedes Regado

List of Publications by Citations

290 papers	19,033 citations	60 h-index	132 g-index
297 ext. papers	21,509 ext. citations	6.7 avg, IF	7.91 L-index

#	Paper	IF	Citations
290	Lanthanide-based luminescent hybrid materials. *Chemical Reviews*, **2009**, 109, 4283-374	68.1	2680
289	Interpretation of europium(III) spectra. *Coordination Chemistry Reviews*, **2015**, 295, 1-45	23.2	1492
288	Recycling of rare earths: a critical review. *Journal of Cleaner Production*, **2013**, 51, 1-22	10.3	1360
287	Ionic liquid crystals. *Chemical Reviews*, **2005**, 105, 4148-204	68.1	996
286	Lanthanides and actinides in ionic liquids. *Chemical Reviews*, **2007**, 107, 2592-614	68.1	553
285	Ionic Liquid Crystals: Versatile Materials. *Chemical Reviews*, **2016**, 116, 4643-807	68.1	476
284	Lanthanide-containing liquid crystals and surfactants. *Chemical Reviews*, **2002**, 102, 2303-46	68.1	461
283	Task-specific ionic liquid for solubilizing metal oxides. *Journal of Physical Chemistry B*, **2006**, 110, 20978-92	3.4	357
282	Towards zero-waste valorisation of rare-earth-containing industrial process residues: a critical review. *Journal of Cleaner Production*, **2015**, 99, 17-38	10.3	349
281	A luminescent tris(2-thenoyltrifluoroacetonato)europium(III) complex covalently linked to a 1,10-phenanthroline-functionalised sol–gel glass. *Journal of Materials Chemistry*, **2004**, 14, 191-195		311
280	Leaching of rare earths from bauxite residue (red mud). *Minerals Engineering*, **2015**, 76, 20-27	4.9	280
279	Removal of transition metals from rare earths by solvent extraction with an undiluted phosphonium ionic liquid: separations relevant to rare-earth magnet recycling. *Green Chemistry*, **2013**, 15, 919	10	264
278	Rare-Earth-Containing Magnetic Liquid Crystals. *Journal of the American Chemical Society*, **2000**, 122, 4335-4344	16.4	225
277	REE Recovery from End-of-Life NdFeB Permanent Magnet Scrap: A Critical Review. *Journal of Sustainable Metallurgy*, **2017**, 3, 122-149	2.7	209
276	Immobilization of molecular catalysts in supported ionic liquid phases. *Dalton Transactions*, **2010**, 39, 8377-90	4.3	209
275	An environmentally friendlier approach to hydrometallurgy: highly selective separation of cobalt from nickel by solvent extraction with undiluted phosphonium ionic liquids. *Green Chemistry*, **2012**, 14, 1657	10	171
274	Homogeneous Liquid-Liquid Extraction of Metal Ions with a Functionalized Ionic Liquid. *Journal of Physical Chemistry Letters*, **2013**, 4, 1659-63	6.4	168

273	Rare-earth recycling using a functionalized ionic liquid for the selective dissolution and revalorization of Y2O3:Eu3+ from lamp phosphor waste. *Green Chemistry*, **2015**, 17, 856-868	10	164
272	Highly efficient separation of rare earths from nickel and cobalt by solvent extraction with the ionic liquid trihexyl(tetradecyl)phosphonium nitrate: a process relevant to the recycling of rare earths from permanent magnets and nickel metal hydride batteries. *Green Chemistry*, **2014**, 16, 1594-1606	10	161
271	Biobased Ionic Liquids: Solvents for a Green Processing Industry?. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 2917-2931	8.3	158
270	Recovery of Rare Earths and Other Valuable Metals From Bauxite Residue (Red Mud): A Review. *Journal of Sustainable Metallurgy*, **2016**, 2, 365-386	2.7	149
269	Adsorption and chromatographic separation of rare earths with EDTA- and DTPA-functionalized chitosan biopolymers. *Journal of Materials Chemistry A*, **2014**, 2, 1530-1540	13	145
268	Extraction and separation of neodymium and dysprosium from used NdFeB magnets: an application of ionic liquids in solvent extraction towards the recycling of magnets. *Green Chemistry*, **2015**, 17, 2931-2942	10	137
267	Adsorption performance of functionalized chitosan–silica hybrid materials toward rare earths. *Journal of Materials Chemistry A*, **2014**, 2, 19415-19426	13	135
266	Luminescence of metallomesogens in the liquid crystal state. *Journal of Materials Chemistry*, **2009**, 19, 448-453		135
265	Electrochemical decomposition of choline chloride based ionic liquid analogues. *Green Chemistry*, **2009**, 11, 1357	10	131
264	High pressure, high temperature electrochemical synthesis of metal–organic frameworks: films of MIL-100 (Fe) and HKUST-1 in different morphologies. *Journal of Materials Chemistry A*, **2013**, 1, 5827	13	121
263	Solvometallurgy: An Emerging Branch of Extractive Metallurgy. *Journal of Sustainable Metallurgy*, **2017**, 3, 570-600	2.7	117
262	Recycling of rare earths from NdFeB magnets using a combined leaching/extraction system based on the acidity and thermomorphism of the ionic liquid [Hbet][Tf2N]. *Green Chemistry*, **2015**, 17, 2150-2163	10	115
261	Rare Earths and the Balance Problem: How to Deal with Changing Markets?. *Journal of Sustainable Metallurgy*, **2018**, 4, 126-146	2.7	115
260	From NdFeB magnets towards the rare-earth oxides: a recycling process consuming only oxalic acid. *RSC Advances*, **2014**, 4, 64099-64111	3.7	112
259	Overview of the effect of salts on biphasic ionic liquid/water solvent extraction systems: anion exchange, mutual solubility, and thermomorphic properties. *Journal of Physical Chemistry B*, **2015**, 119, 6747-57	3.4	110
258	1,2,4-Triazolium perfluorobutanesulfonate as an archetypal pure protic organic ionic plastic crystal electrolyte for all-solid-state fuel cells. *Energy and Environmental Science*, **2015**, 8, 1276-1291	35.4	110
257	Near-Infrared Luminescence of Lanthanide Calcein and Lanthanide Dipicolinate Complexes Doped into a Silica–PEG Hybrid Material. *Chemistry of Materials*, **2004**, 16, 1531-1535	9.6	108
256	Rare Earths and the Balance Problem. *Journal of Sustainable Metallurgy*, **2015**, 1, 29-38	2.7	103

255	Degradation of Deep-Eutectic Solvents Based on Choline Chloride and Carboxylic Acids. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 11521-11528	8.3	100
254	Electrocarboxylation: towards sustainable and efficient synthesis of valuable carboxylic acids. *Beilstein Journal of Organic Chemistry*, **2014**, 10, 2484-500	2.5	100
253	Solvent Extraction of Neodymium(III) by Functionalized Ionic Liquid Trioctylmethylammonium Dioctyl Diglycolamate in Fluorine-free Ionic Liquid Diluent. *Industrial & Engineering Chemistry Research*, **2014**, 53, 6500-6508	3.9	99
252	Near-infrared photoluminescence of lanthanide-doped liquid crystals. *Journal of Materials Chemistry*, **2003**, 13, 1520-1522		99
251	Recovery of Scandium(III) from Aqueous Solutions by Solvent Extraction with the Functionalized Ionic Liquid Betainium Bis(trifluoromethylsulfonyl)imide. *Industrial & Engineering Chemistry Research*, **2015**, 54, 1887-1898	3.9	96
250	Smelting of Bauxite Residue (Red Mud) in View of Iron and Selective Rare Earths Recovery. *Journal of Sustainable Metallurgy*, **2016**, 2, 28-37	2.7	94
249	Liquid-liquid extraction of europium(III) and other trivalent rare-earth ions using a non-fluorinated functionalized ionic liquid. *Dalton Transactions*, **2014**, 43, 1862-72	4.3	92
248	A continuous ionic liquid extraction process for the separation of cobalt from nickel. *Green Chemistry*, **2013**, 15, 3160	10	92
247	Selective extraction of metals using ionic liquids for nickel metal hydride battery recycling. *Green Chemistry*, **2014**, 16, 4595-4603	10	90
246	On the electrochemical deposition of metal–organic frameworks. *Journal of Materials Chemistry A*, **2016**, 4, 3914-3925	13	88
245	Room-temperature magnetic anisotropy of lanthanide complexes: A model study for various coordination polyhedra. *Journal of Chemical Physics*, **2002**, 116, 4673-4685	3.9	88
244	Recovery of scandium from leachates of Greek bauxite residue by adsorption on functionalized chitosan–silica hybrid materials. *Green Chemistry*, **2016**, 18, 2005-2013	10	84
243	Polynuclear Metal Complexes Obtained from the Task-Specific Ionic Liquid Betainium Bistriflimide. *Crystal Growth and Design*, **2008**, 8, 1353-1363	3.5	83
242	Imidazo[4,5-f]-1,10-phenanthrolines: Versatile Ligands for the Design of Metallomesogens. *Chemistry of Materials*, **2008**, 20, 1278-1291	9.6	82
241	Extraction of rare earths from bauxite residue (red mud) by dry digestion followed by water leaching. *Minerals Engineering*, **2018**, 119, 82-92	4.9	81
240	Structure and Mesomorphic Behavior of Alkoxy-Substituted Bis(phthalocyaninato)lanthanide(III) Complexes. *Chemistry of Materials*, **2003**, 15, 3930-3938	9.6	75
239	Antimony Recovery from End-of-Life Products and Industrial Process Residues: A Critical Review. *Journal of Sustainable Metallurgy*, **2016**, 2, 79-103	2.7	73
238	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	3.7	73

237	Homogeneous liquid-liquid extraction of rare earths with the betaine-betainium bis(trifluoromethylsulfonyl)imide ionic liquid system. *International Journal of Molecular Sciences*, **2013**, 14, 21353-77	6.3	72
236	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	8.3	69
235	Narrow band photoluminescence of europium-doped liquid crystals. *Journal of Materials Chemistry*, **2002**, 12, 3374-3376		67
234	Potential MRI Contrast Agents Based on Micellar Incorporation of Amphiphilic Bis(alkylamide) Derivatives of [(GdDTPA)(H2O)]2.*European Journal of Inorganic Chemistry*, **2003**, 2003, 3021-3027	2.3	66
233	Solvometallurgical recovery of cobalt from lithium-ion battery cathode materials using deep-eutectic solvents. *Green Chemistry*, **2020**, 22, 4210-4221	10	61
232	Dissolution of metal oxides in an acid-saturated ionic liquid solution and investigation of the back-extraction behaviour to the aqueous phase. *Hydrometallurgy*, **2014**, 144-145, 27-33	4	61
231	Mixed copper-lanthanide metallomesogens. *Chemistry - A European Journal*, **2002**, 8, 1101-5	4.8	61
230	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	11.9	57
229	Separation of rare earths by split-anion extraction. *Hydrometallurgy*, **2015**, 156, 206-214	4	56
228	Gadolinium DTPA-Monoamide Complexes Incorporated into Mixed Micelles as Possible MRI Contrast Agents. *European Journal of Inorganic Chemistry*, **2004**, 2004, 3538-3543	2.3	55
227	Lignin solubility in non-imidazolium ionic liquids. *Journal of Chemical Technology and Biotechnology*, **2015**, 90, 1821-1826	3.5	54
226	Separation of rare earths and nickel by solvent extraction with two mutually immiscible ionic liquids. *RSC Advances*, **2014**, 4, 5753	3.7	54
225	Speciation of Uranyl Nitrato Complexes in Acetonitrile and in the Ionic Liquid 1-Butyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide. *European Journal of Inorganic Chemistry*, **2007**, 2007, 5120-5126	2.3	54
224	Halogen substitution as an efficient tool to increase the near-infrared photoluminescence intensity of erbium(III) quinolinates in non-deuterated DMSO. *Physical Chemistry Chemical Physics*, **2003**, 5, 2754-2757	3.6	54
223	p-Toluenesulfonic Acid-Based Deep-Eutectic Solvents for Solubilizing Metal Oxides. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 3940-3948	8.3	53
222	Purification of indium by solvent extraction with undiluted ionic liquids. *Green Chemistry*, **2016**, 18, 4116-4127	10	51
221	Solvent Extraction of Scandium(III) by an Aqueous Biphasic System with a Nonfluorinated Functionalized Ionic Liquid. *Industrial & Engineering Chemistry Research*, **2015**, 54, 8988-8996	3.9	50
220	Spectroscopic properties of uranyl chloride complexes in non-aqueous solvents. *Physical Chemistry Chemical Physics*, **2004**, 6, 3292-3298	3.6	47

219	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	2.7	46
218	Lanthanide(III) Dodecanoates: Structure, Thermal Behaviour, and Ion-Size Effects on the Mesomorphism. *European Journal of Inorganic Chemistry*, **2000**, 2000, 1429-1436	2.3	45
217	Pollution profiles and physicochemical parameters in old uncontrolled landfills. *Waste Management* , **2012**, 32, 482-97	8.6	44
216	Cellulose conversion into alkylglycosides in the ionic liquid 1-butyl-3-methylimidazolium chloride. *Green Chemistry*, **2010**, 12, 1790	10	44
215	Samarium/cobalt separation by solvent extraction with undiluted quaternary ammonium ionic liquids. *Separation and Purification Technology*, **2019**, 210, 209-218	8.3	43
214	Metal Recovery from Spent Samarium-Cobalt Magnets Using a Trichloride Ionic Liquid. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 2578-2584	8.3	43
213	Ethylenediaminetriacetic Acid-Functionalized Activated Carbon for the Adsorption of Rare Earths from Aqueous Solutions. *Industrial & Engineering Chemistry Research*, **2018**, 57, 1487-1497	3.9	42
212	Determination of halide impurities in ionic liquids by total reflection X-ray fluorescence spectrometry. *Analytical Chemistry*, **2014**, 86, 3931-8	7.8	42
211	Electrodeposition of copper–zinc alloys from an ionic liquid-like choline acetate electrolyte. *Electrochimica Acta*, **2013**, 108, 788-794	6.7	42
210	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	8.3	41
209	Ionic liquids as solvents for PPTA oligomers. *Green Chemistry*, **2016**, 18, 1639-1652	10	41
208	Quinolinium and isoquinolinium ionic liquid crystals. *RSC Advances*, **2012**, 2, 8061	3.7	41
207	Ionic liquids with trichloride anions for oxidative dissolution of metals and alloys. *Chemical Communications*, **2018**, 54, 475-478	5.8	39
206	Dinuclear Lanthanide Schiff-Base Complexes Forming a Rectangular Columnar Mesophase. *European Journal of Inorganic Chemistry*, **2006**, 2006, 150-157	2.3	39
205	Shaping of Alginate–Silica Hybrid Materials into Microspheres through Vibrating-Nozzle Technology and Their Use for the Recovery of Neodymium from Aqueous Solutions. *Industrial & Engineering Chemistry Research*, **2015**, 54, 12836-12846	3.9	37
204	Efficient separation of transition metals from rare earths by an undiluted phosphonium thiocyanate ionic liquid. *Physical Chemistry Chemical Physics*, **2016**, 18, 16039-45	3.6	37
203	Enhancing rare-earth recovery from lamp phosphor waste. *Hydrometallurgy*, **2019**, 187, 38-44	4	36
202	Guanidinium nonaflate as a solid-state proton conductor. *Journal of Materials Chemistry A*, **2016**, 4, 12241–12253	13	36

201	Trihalide ionic liquids as non-volatile oxidizing solvents for metals. *Green Chemistry*, **2018**, 20, 3327-3338	10	36
200	Solvent extraction of europium(III) to a fluorine-free ionic liquid phase with a diglycolamic acid extractant. *RSC Advances*, **2014**, 4, 11899-11906	3.7	36
199	Cobalt(II)/nickel(II) separation from sulfate media by solvent extraction with an undiluted quaternary phosphonium ionic liquid. *RSC Advances*, **2017**, 7, 35992-35999	3.7	35
198	Selective electrochemical extraction of REEs from NdFeB magnet waste at room temperature. *Green Chemistry*, **2018**, 20, 1065-1073	10	34
197	The performance of natural clay as a barrier to the diffusion of municipal solid waste landfill leachates. *Journal of Environmental Management*, **2012**, 95 Suppl, S175-81	7.9	34
196	Crystal structures of low-melting ionic transition-metal complexes with N-alkylimidazole ligands. *CrystEngComm*, **2012**, 14, 4902	3.3	34
195	Liquid-Crystalline Ternary Rare-Earth Complexes. *European Journal of Inorganic Chemistry*, **2008**, 2008, 756-761	2.3	34
194	Practical guidelines for best practice on Total Reflection X-ray Fluorescence spectroscopy: Analysis of aqueous solutions. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2016**, 124, 109-115	3.1	33
193	Rigid tetracatenar liquid crystals derived from 1,10-phenanthroline. *Soft Matter*, **2008**, 4, 2172	3.6	32
192	Model for Metal Extraction from Chloride Media with Basic Extractants: A Coordination Chemistry Approach. *Inorganic Chemistry*, **2019**, 58, 12289-12301	5.1	31
191	Liquid-crystalline azines formed by the rare-earth promoted decomposition of hydrazide Babbe ligands: structural and thermal properties. *Journal of Materials Chemistry*, **2003**, 13, 1639-1645		31
190	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	3.4	30
189	Study of Thermodynamic and Kinetic Stability of Transition Metal and Lanthanide Complexes of DTPA Analogues with a Phosphorus Acid Pendant Arm. *European Journal of Inorganic Chemistry*, **2006**, 2006, 1976-1986	2.3	30
188	Alkali-Metal Salts of Aromatic Carboxylic Acids: Liquid Crystals without Flexible Chains. *European Journal of Inorganic Chemistry*, **2005**, 2005, 563-571	2.3	30
187	Speciation of indium(iii) chloro complexes in the solvent extraction process from chloride aqueous solutions to ionic liquids. *Dalton Transactions*, **2017**, 46, 4412-4421	4.3	29
186	Recovery of rare earths from the green lamp phosphor LaPO:Ce,Tb (LAP) by dissolution in concentrated methanesulphonic acid.. *RSC Advances*, **2018**, 8, 26349-26355	3.7	29
185	Neutralisation of bauxite residue by carbon dioxide prior to acidic leaching for metal recovery. *Minerals Engineering*, **2017**, 112, 92-102	4.9	29
184	Rare-Earth Nitroquinolinates: Visible-Light-Sensitizable Near-Infrared Emitters in Aqueous Solution. *European Journal of Inorganic Chemistry*, **2007**, 2007, 302-305	2.3	29

183	Lanthanide(III)-Induced Conversion of 12-Metallacrown-4 to 5-Metallacrown-5 Complexes in Solution. *European Journal of Inorganic Chemistry*, **2005**, 2005, 3303-3310	2.3	29
182	Direct Analysis of Metal Ions in Solutions with High Salt Concentrations by Total Reflection X-ray Fluorescence. *Analytical Chemistry*, **2017**, 89, 4595-4603	7.8	28
181	How safe are protic ionic liquids? Explosion of pyrrolidinium nitrate. *Green Chemistry*, **2013**, 15, 3484	10	28
180	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	8.3	28
179	Electrodeposition of luminescent composite metal coatings containing rare-earth phosphor particles. *Journal of Materials Chemistry*, **2012**, 22, 5514		27
178	Thermal behaviour of lanthanum(III) alkanoates. *Liquid Crystals*, **2001**, 28, 1727-1733	2.3	27
177	Separation of rare-earth ions from ethylene glycol (+LiCl) solutions by non-aqueous solvent extraction with Cyanex 923. *RSC Advances*, **2017**, 7, 45351-45362	3.7	26
176	Recovery of scandium(III) from diluted aqueous solutions by a supported ionic liquid phase (SILP). *RSC Advances*, **2017**, 7, 49664-49674	3.7	25
175	Effect of the diluent on the solvent extraction of neodymium(III) by bis(2-ethylhexyl)phosphoric acid (D2EHPA). *Hydrometallurgy*, **2018**, 177, 146-151	4	25
174	Base stable quaternary ammonium ionic liquids. *RSC Advances*, **2014**, 4, 4472-4477	3.7	25
173	Electrodeposition of Lithium from Lithium-Containing Solvate Ionic Liquids. *Journal of Physical Chemistry C*, **2014**, 118, 20152-20162	3.8	25
172	Efficient separation of rare earths recovered by a supported ionic liquid from bauxite residue leachate.. *RSC Advances*, **2018**, 8, 11886-11893	3.7	24
171	Separation of Rare Earths by Solvent Extraction with an Undiluted Nitrate Ionic Liquid. *Journal of Sustainable Metallurgy*, **2017**, 3, 73-78	2.7	24
170	Mixed f-d Metallomesogens with an Extended Rigid Core. *European Journal of Inorganic Chemistry*, **2005**, 2005, 1506-1513	2.3	24
169	Synthesis of Poly-p-phenylene Terephthalamide (PPTA) in Ionic Liquids. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 1362-1369	8.3	24
168	Selective Metal Recovery from Jarosite Residue by Leaching with Acid-Equilibrated Ionic Liquids and Precipitation-Stripping. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 4239-4246	8.3	23
167	Europium(III)-doped liquid-crystalline physical gels. *Journal of Materials Chemistry*, **2010**, 20, 8571		23
166	Bis(phenylethylamide) Derivatives of Gd-DTPA as Potential Receptor-Specific MRI Contrast Agents. *European Journal of Inorganic Chemistry*, **2007**, 2007, 2061-2067	2.3	23

165	Solvometallurgical process for extraction of copper from chalcopyrite and other sulfidic ore minerals. *Green Chemistry*, **2020**, 22, 417-426	10	23
164	Methanesulfonic acid: a sustainable acidic solvent for recovering metals from the jarosite residue of the zinc industry. *Green Chemistry*, **2019**, 21, 5394-5404	10	22
163	Solvometallurgical route for the recovery of Sm, Co, Cu and Fe from SmCo permanent magnets. *Separation and Purification Technology*, **2019**, 219, 281-289	8.3	22
162	Containment and attenuating layers: An affordable strategy that preserves soil and water from landfill pollution. *Waste Management*, **2015**, 46, 408-19	8.6	22
161	Selective recovery of zinc from goethite residue in the zinc industry using deep-eutectic solvents.. *RSC Advances*, **2020**, 10, 7328-7335	3.7	22
160	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	3.7	22
159	Electrochemical dicarboxylation of conjugated fatty acids as an efficient valorization of carbon dioxide. *RSC Advances*, **2013**, 3, 4634	3.7	22
158	Judd□Ofelt analysis of lanthanide doped silica□PEG hybrid sol□gels. *Physical Chemistry Chemical Physics*, **2003**, 5, 198-202	3.6	22
157	Influence of heat treatment on the intensities of f□f transitions in lanthanide-doped sol□gel glasses. *Physical Chemistry Chemical Physics*, **2002**, 4, 552-555	3.6	22
156	Magnetomigration of rare-earth ions in inhomogeneous magnetic fields. *Physical Chemistry Chemical Physics*, **2016**, 18, 27342-27350	3.6	22
155	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	8.3	22
154	Enhancing Metal Separations by Liquid-Liquid Extraction Using Polar Solvents. *Chemistry - A European Journal*, **2019**, 25, 9197-9201	4.8	21
153	Highly Soluble 1,4-Diaminoanthraquinone Derivative for Nonaqueous Symmetric Redox Flow Batteries. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 3832-3843	8.3	21
152	Halogen-free synthesis of symmetrical 1,3-dialkylimidazolium ionic liquids using non-enolisable starting materials. *RSC Advances*, **2016**, 6, 8848-8859	3.7	21
151	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	4	21
150	Efficient and Sustainable Removal of Magnesium from Brines for Lithium/Magnesium Separation Using Binary Extractants. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 19225-19234	8.3	21
149	Mandelohydroxamic Acid as Ligand for Copper(II) 15-Metallacrown-5 Lanthanide(III) and Copper(II) 15-Metallacrown-5 Uranyl Complexes. *European Journal of Inorganic Chemistry*, **2006**, 2006, 1466-1474	2.3	21
148	Adducts of Schiff Bases with Tris(□diketonato)lanthanide(III) Complexes: Structure and Liquid-Crystalline Behaviour. *European Journal of Inorganic Chemistry*, **2003**, 2003, 3028-3033	2.3	21

147	Separation of neodymium and dysprosium by solvent extraction using ionic liquids combined with neutral extractants: batch and mixer-settler experiments.. *RSC Advances*, **2019**, 10, 307-316	3.7	21
146	Speciation of lanthanide ions in the organic phase after extraction from nitrate media by basic extractants. *RSC Advances*, **2018**, 8, 32044-32054	3.7	21
145	The EURARE Project: Development of a Sustainable Exploitation Scheme for Europe's Rare Earth Ore Deposits. *Johnson Matthey Technology Review*, **2017**, 61, 142-153	2.5	20
144	Recovery of Gallium, Indium, and Arsenic from Semiconductors Using Tribromide Ionic Liquids. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 14451-14459	8.3	20
143	Selective Single-Step Separation of a Mixture of Three Metal Ions by a Triphasic Ionic-Liquid-Water-Ionic-Liquid Solvent Extraction System. *Chemistry - A European Journal*, **2015**, 21, 11757-66	4.8	20
142	Decarboxylation of a Wide Range of Amino Acids with Electrogenerated Hypobromite. *European Journal of Organic Chemistry*, **2014**, 2014, 6649-6652	3.2	20
141	Rare-earth complexes of mesomorphic Schiff's base ligands. *Liquid Crystals*, **2001**, 28, 279-285	2.3	20
140	New metal extractants and super-acidic ionic liquids derived from sulfamic acid. *Chemical Communications*, **2016**, 52, 7032-5	5.8	20
139	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	2.5	20
138	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	3.7	19
137	Determination of halide ions in solution by Total Reflection X-ray Fluorescence (TXRF) spectrometry. *Analytical Chemistry*, **2014**, 86, 1391-4	7.8	19
136	Lanthanide(III) Tosylates as New Acylation Catalysts. *European Journal of Organic Chemistry*, **2005**, 2005, 1810-1815	3.2	19
135	Stability of ionic liquids in Brønsted-basic media. *Green Chemistry*, **2020**, 22, 5225-5252	10	19
134	Electrodeposition of indium from the ionic liquid trihexyl(tetradecyl)phosphonium chloride. *Green Chemistry*, **2019**, 21, 1517-1530	10	19
133	Selective ion-exchange separation of scandium(III) over iron(III) by crystalline zirconium phosphate platelets under acidic conditions. *Separation and Purification Technology*, **2019**, 215, 81-90	8.3	19
132	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	3.9	18
131	Nature of equilibrium shifts in racemic praseodymium(III) tris(2,2?-oxydiacetate) induced by interaction with chiral probes. *Dalton Transactions RSC*, **2002**, 1602-1606		18
130	On the mesomorphism of lanthanum (III) alkanoates. *Liquid Crystals*, **1999**, 26, 1717-1721	2.3	18

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