

Mercedes Regado

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2589241/mercedes-regadio-publications-by-year.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.

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	Recovery of copper, zinc and lead from photovoltaic panel residue.. <i>RSC Advances</i> , 2022 , 12, 2351-2360	3.7	0
289	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	8.3	0
288	Leaching Methods for the Environmental Assessment of Industrial Waste Before Its Use in Construction. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2022 , 339-356	0.4	
287	Recovery of cobalt from lithium-ion battery cathode material by combining solvleaching and solvent extraction. <i>Green Chemistry</i> , 2022 , 24, 2839-2852	10	3
286	Combined HydroSolveBioleaching Approach toward the Valorization of a Sulfidic Copper Mine Tailing. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 684-693	3.9	0
285	Solvometallurgical Process for the Recovery of Tungsten from Scheelite. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 754-764	3.9	3
284	Gamma radiolytic stability of the novel modified diglycolamide 2,2'-oxybis(,-didecylpropanamide) (mTDDGA) for grouped actinide extraction.. <i>RSC Advances</i> , 2022 , 12, 12416-12426	3.7	1
283	Effect of polar molecular organic solvents on non-aqueous solvent extraction of rare-earth elements. <i>Separation and Purification Technology</i> , 2022 , 294, 121197	8.3	0
282	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	8.3	3
281	Dosimetry and methodology of gamma irradiation for degradation studies on solvent extraction systems. <i>Radiochimica Acta</i> , 2021 , 109, 61-72	1.9	2
280	Nonaqueous Solvent Extraction for Enhanced Metal Separations: Concept, Systems, and Mechanisms.. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 17285-17302	3.9	4
279	Hard-Soft Interactions in Solvent Extraction with Basic Extractants: Comparing Zinc and Cadmium Halides. <i>ACS Omega</i> , 2021 , 6, 27924-27935	3.9	1
278	Solvometallurgical Recovery of Platinum Group Metals from Spent Automotive Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 337-350	8.3	9
277	Oxidative Dissolution of Metals in Organic Solvents. <i>Chemical Reviews</i> , 2021 , 121, 4506-4530	68.1	10
276	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	8.3	3
275	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	3.9	4
274	Determination of Chlorides in Ionic Liquids by Wavelength Dispersive X-ray Fluorescence Spectrometry. <i>ACS Omega</i> , 2021 , 6, 13620-13625	3.9	2

273	Mechanism of Ferric Chloride Facilitating Efficient Lithium Extraction from Magnesium-Rich Brine with Tri-n-butyl Phosphate. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 8538-8547	3.9	2
272	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	3.9	5
271	Solvometallurgical process for the recovery of rare-earth elements from NdFeB magnets. <i>Separation and Purification Technology</i> , 2021 , 258, 117800	8.3	11
270	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	3.7	4
269	Removal of Cadmium, Zinc, and Manganese from Dilute Aqueous Solutions by Foam Separation. <i>Journal of Sustainable Metallurgy</i> , 2021 , 7, 78-86	2.7	4
268	Synthesis of polyaramids in γ -valerolactone-based organic electrolyte solutions. <i>Green Chemistry</i> , 2021 , 23, 1228-1239	10	3
267	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	8.3	14
266	Electrochemical behavior and electrodeposition of gallium in 1,2-dimethoxyethane-based electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 15492-15502	3.6	0
265	Opposite selectivities of tri-n-butyl phosphate and Cyanex 923 in solvent extraction of lithium and magnesium. <i>AIChE Journal</i> , 2021 , 67, e17219	3.6	5
264	Selective extraction of trivalent actinides using CyMeBTPhen in the ionic liquid Aliquat-336 nitrate.. <i>RSC Advances</i> , 2021 , 11, 6014-6021	3.7	1
263	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	3.7	2
262	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	1.2	
261	Reversible electrodeposition and stripping of magnesium from solvate ionic liquid-tetrabutylammonium chloride mixtures.. <i>RSC Advances</i> , 2020 , 10, 42021-42029	3.7	2
260	Extraction Behavior and Separation of Precious and Base Metals from Chloride, Bromide, and Iodide Media Using Undiluted Halide Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 8223-8234	8.3	15
259	Near-zero-waste processing of low-grade, complex primary ores and secondary raw materials in Europe: technology development trends. <i>Resources, Conservation and Recycling</i> , 2020 , 160, 104919	11.9	57
258	Effects of thiol substitution in deep-eutectic solvents (DESs) as solvents for metal oxides.. <i>RSC Advances</i> , 2020 , 10, 23484-23490	3.7	11
257	One-pot synthesis of symmetric imidazolium ionic liquids, -disubstituted with long alkyl chains.. <i>RSC Advances</i> , 2020 , 10, 21071-21081	3.7	3
256	Solvometallurgical recovery of cobalt from lithium-ion battery cathode materials using deep-eutectic solvents. <i>Green Chemistry</i> , 2020 , 22, 4210-4221	10	61

255	Hydration counteracts the separation of lanthanides by solvent extraction. <i>AIChE Journal</i> , 2020 , 66, e16545	11
254	Physicochemical study of diethylmethylammonium methanesulfonate under anhydrous conditions. <i>Journal of Chemical Physics</i> , 2020 , 152, 234504	3.9 5
253	Highly Soluble 1,4-Diaminoanthraquinone Derivative for Nonaqueous Symmetric Redox Flow Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 3832-3843	8.3 21
252	Selective recovery of zinc from goethite residue in the zinc industry using deep-eutectic solvents.. <i>RSC Advances</i> , 2020 , 10, 7328-7335	3.7 22
251	Selective Extraction of Americium from Curium and the Lanthanides by the Lipophilic Ligand CyMe4BTPhen Dissolved in Aliquat-336 Nitrate Ionic Liquid. <i>Solvent Extraction and Ion Exchange</i> , 2020 , 38, 194-211	2.5 11
250	Gamma Radiolysis of TODGA and CyMe4BTPhen in the Ionic Liquid Tri-n-Octylmethylammonium Nitrate. <i>Solvent Extraction and Ion Exchange</i> , 2020 , 38, 212-235	2.5 12
249	THE ROLE OF NATURAL CLAYS IN THE SUSTAINABILITY OF LANDFILL LINERS. <i>Detritus</i> , 2020 , 100-113	0.9 2
248	Selective leaching of lead from lead smelter residues using EDTA.. <i>RSC Advances</i> , 2020 , 10, 42147-42156	3.7 3
247	Selective Roasting of NdFe-B Permanent Magnets as a Pretreatment Step for Intensified Leaching with an Ionic Liquid. <i>Journal of Sustainable Metallurgy</i> , 2020 , 6, 91-102	2.7 9
246	Solvometallurgical process for extraction of copper from chalcopyrite and other sulfidic ore minerals. <i>Green Chemistry</i> , 2020 , 22, 417-426	10 23
245	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	2.5 5
244	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	2.7 6
243	Separation of precious metals by split-anion extraction using water-saturated ionic liquids. <i>Green Chemistry</i> , 2020 , 22, 8375-8388	10 12
242	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	2.7 16
241	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	3.7 1
240	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	3.7 16
239	Stability of ionic liquids in Brønsted-basic media. <i>Green Chemistry</i> , 2020 , 22, 5225-5252	10 19
238	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	3.9 5

237	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	5.5	3
236	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	3.7	9
235	Solvent Extraction of Gold(III) with Diethyl Carbonate. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 13713-13723	8.3	11
234	Ammoniacal Solvleaching of Copper from High-Grade Chrysocolla. <i>Journal of Sustainable Metallurgy</i> , 2020 , 6, 589-598	2.7	2
233	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	5.1	7
232	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	3.7	12
231	Valerolactone-based organic electrolyte solutions: a benign approach to polyaramid dissolution and processing. <i>Green Chemistry</i> , 2020 , 22, 6127-6136	10	6
230	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	8.3	10
229	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	8.3	14
228	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	8.3	9
227	Selective removal of magnesium from lithium-rich brine for lithium purification by synergic solvent extraction using diketones and Cyanex 923. <i>AIChE Journal</i> , 2020 , 66, e16246	3.6	13
226	Recycling of bonded NdFeB permanent magnets using ionic liquids. <i>Green Chemistry</i> , 2020 , 22, 2821-2830	10	12
225	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	10	22
224	Model for Metal Extraction from Chloride Media with Basic Extractants: A Coordination Chemistry Approach. <i>Inorganic Chemistry</i> , 2019 , 58, 12289-12301	5.1	31
223	Effect of Magnetic Susceptibility Gradient on the Magnetomigration of Rare-Earth Ions. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 23131-23139	3.8	6
222	Integrated process for the recovery of yttrium and europium from CRT phosphor waste.. <i>RSC Advances</i> , 2019 , 9, 1378-1386	3.7	10
221	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	2.7	11
220	p-Toluenesulfonic Acid-Based Deep-Eutectic Solvents for Solubilizing Metal Oxides. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3940-3948	8.3	53

219	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	8.3	23
218	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	3.7	7
217	Separation of GaCl from AlCl by Solid-Liquid Extraction and Stripping Using Anhydrous -Dodecane and NaCl. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 12459-12464	3.9	1
216	Degradation of Deep-Eutectic Solvents Based on Choline Chloride and Carboxylic Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 11521-11528	8.3	100
215	Enhancing Metal Separations by Liquid-Liquid Extraction Using Polar Solvents. <i>Chemistry - A European Journal</i> , 2019 , 25, 9197-9201	4.8	21
214	Removal of metallic coatings from rare-earth permanent magnets by solutions of bromine in organic solvents.. <i>RSC Advances</i> , 2019 , 9, 14910-14915	3.7	3
213	Enhancing rare-earth recovery from lamp phosphor waste. <i>Hydrometallurgy</i> , 2019 , 187, 38-44	4	36
212	Tuning Solvent Miscibility: A Fundamental Assessment on the Example of Induced Methanol/n-Dodecane Phase Separation. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 4400-4407	3.4	3
211	Solvometallurgical route for the recovery of Sm, Co, Cu and Fe from SmCo permanent magnets. <i>Separation and Purification Technology</i> , 2019 , 219, 281-289	8.3	22
210	Yttrium and europium separation by solvent extraction with undiluted thiocyanate ionic liquids.. <i>RSC Advances</i> , 2019 , 9, 4876-4883	3.7	16
209	Samarium/cobalt separation by solvent extraction with undiluted quaternary ammonium ionic liquids. <i>Separation and Purification Technology</i> , 2019 , 210, 209-218	8.3	43
208	Enhancing Metal Separations Using Hydrophilic Ionic Liquids and Analogues as Complexing Agents in the More Polar Phase of Liquid-Liquid Extraction Systems. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 15628-15636	3.9	18
207	Recovery of Gallium, Indium, and Arsenic from Semiconductors Using Tribromide Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14451-14459	8.3	20
206	Isolation of molybdenum(VI) from simulated leachates of irradiated uranium-aluminum targets using diluted and undiluted sulfate ionic liquids. <i>Green Chemistry</i> , 2019 , 21, 3948-3960	10	4
205	Metal Recovery from Spent Samarium-Cobalt Magnets Using a Trichloride Ionic Liquid. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2578-2584	8.3	43
204	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	8.3	21
203	Recovery of Lead and Silver from Zinc Leaching Residue Using Methanesulfonic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 19807-19815	8.3	13
202	Methodologies and Developments in the Analysis of REEs 2019 , 365-373		0

201	Separation of neodymium and dysprosium by solvent extraction using ionic liquids combined with neutral extractants: batch and mixer-settler experiments.. <i>RSC Advances</i> , 2019 , 10, 307-316	3.7	21
200	Electrodeposition of indium from the ionic liquid trihexyl(tetradecyl)phosphonium chloride. <i>Green Chemistry</i> , 2019 , 21, 1517-1530	10	19
199	Recovery of Rare Earths from Bauxite Residue (Red Mud). <i>World Scientific Series in Current Energy Issues</i> , 2019 , 343-356	0.2	2
198	Synthesis of Guerbet ionic liquids and extractants as β -branched biosourceable hydrophobes. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 9778-9791	3.9	5
197	Selective ion-exchange separation of scandium(III) over iron(III) by crystalline β -zirconium phosphate platelets under acidic conditions. <i>Separation and Purification Technology</i> , 2019 , 215, 81-90	8.3	19
196	Studies on the Thoria Fuel Recycling Loop Using Triflic Acid: Effects of Powder Characteristics, Solution Acidity, and Radium Behavior. <i>Journal of Sustainable Metallurgy</i> , 2019 , 5, 118-126	2.7	1
195	Selective recovery of indium from iron-rich solutions using an Aliquat 336 iodide supported ionic liquid phase (SILP). <i>Separation and Purification Technology</i> , 2019 , 212, 843-853	8.3	22
194	Metal coordination in the high-temperature leaching of roasted NdFeB magnets with the ionic liquid betainium bis(trifluoromethylsulfonyl)imide.. <i>RSC Advances</i> , 2018 , 8, 9299-9310	3.7	19
193	Rare Earths and the Balance Problem: How to Deal with Changing Markets?. <i>Journal of Sustainable Metallurgy</i> , 2018 , 4, 126-146	2.7	115
192	Selective Substitution of POCl ₃ with Organometallic Reagents: Synthesis of Phosphinates and Phosphonates. <i>Synthesis</i> , 2018 , 50, 2019-2026	2.9	6
191	Extraction of rare earths from bauxite residue (red mud) by dry digestion followed by water leaching. <i>Minerals Engineering</i> , 2018 , 119, 82-92	4.9	81
190	Selective electrochemical extraction of REEs from NdFeB magnet waste at room temperature. <i>Green Chemistry</i> , 2018 , 20, 1065-1073	10	34
189	Solvation Structure of Sodium Bis(fluorosulfonyl)imide-Glyme Solvate Ionic Liquids and Its Influence on Cycling of Na-MNC Cathodes. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 275-289	3.4	30
188	Ionic liquids with trichloride anions for oxidative dissolution of metals and alloys. <i>Chemical Communications</i> , 2018 , 54, 475-478	5.8	39
187	Ethylenediaminetriacetic Acid-Functionalized Activated Carbon for the Adsorption of Rare Earths from Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 1487-1497	3.9	42
186	Efficient separation of rare earths recovered by a supported ionic liquid from bauxite residue leachate.. <i>RSC Advances</i> , 2018 , 8, 11886-11893	3.7	24
185	Cobalt(ii) liquid metal salts for high current density electrodeposition of cobalt. <i>Dalton Transactions</i> , 2018 , 47, 4975-4986	4.3	6
184	Low-Temperature Oxidation of Fine UO Powders: Thermochemistry and Kinetics. <i>Inorganic Chemistry</i> , 2018 , 57, 4196-4204	5.1	2

183	Separation of transition metals from rare earths by non-aqueous solvent extraction from ethylene glycol solutions using Aliquat 336. <i>Separation and Purification Technology</i> , 2018 , 201, 318-326	8.3	41
182	Effect of the diluent on the solvent extraction of neodymium(III) by bis(2-ethylhexyl)phosphoric acid (D2EHPA). <i>Hydrometallurgy</i> , 2018 , 177, 146-151	4	25
181	Trihalide ionic liquids as non-volatile oxidizing solvents for metals. <i>Green Chemistry</i> , 2018 , 20, 3327-3338	10	36
180	Combined multi-step precipitation and supported ionic liquid phase chromatography for the recovery of rare earths from leach solutions of bauxite residues. <i>Hydrometallurgy</i> , 2018 , 180, 229-235	4	21
179	Recovery of rare earths from the green lamp phosphor LaPO ₃ :Ce,Tb (LAP) by dissolution in concentrated methanesulphonic acid.. <i>RSC Advances</i> , 2018 , 8, 26349-26355	3.7	29
178	Mechanism for Solvent Extraction of Lanthanides from Chloride Media by Basic Extractants. <i>Journal of Solution Chemistry</i> , 2018 , 47, 1351-1372	1.8	11
177	Separation of samarium and europium by solvent extraction with an undiluted quaternary ammonium ionic liquid: towards high-purity medical samarium-153.. <i>RSC Advances</i> , 2018 , 8, 20077-20086	3.7	22
176	Purification of crude In(OH) ₃ using the functionalized ionic liquid betainium bis(trifluoromethylsulfonyl)imide. <i>Green Chemistry</i> , 2018 , 20, 412-424	10	17
175	Synthesis of Poly-p-phenylene Terephthalamide (PPTA) in Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 1362-1369	8.3	24
174	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. <i>Solvent Extraction and Ion Exchange</i> , 2018 , 36, 519-541	2.5	20
173	Split-anion solvent extraction of light rare earths from concentrated chloride aqueous solutions to nitrate organic ionic liquids.. <i>RSC Advances</i> , 2018 , 8, 34754-34763	3.7	15
172	Magnetophoretic Sprinting: A Study on the Magnetic Properties of Aqueous Lanthanide Solutions. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 23675-23682	3.8	10
171	Speciation of lanthanide ions in the organic phase after extraction from nitrate media by basic extractants. <i>RSC Advances</i> , 2018 , 8, 32044-32054	3.7	21
170	Selective Extraction of Rare-Earth Elements from NdFeB Magnets by a Room-Temperature Electrolysis Pretreatment Step. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 9375-9382	8.3	28
169	Multi-Gram Scale Synthesis of 1,2,3-Triazolium Ionic Liquids and Assay of Their Resistance towards Bases. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 4850-4856	3.2	12
168	Docusate Ionic Liquids: Effect of Cation on Water Solubility and Solvent Extraction Behavior. <i>ChemPlusChem</i> , 2017 , 82, 458-466	2.8	15
167	Manganese-containing ionic liquids: synthesis, crystal structures and electrodeposition of manganese films and nanoparticles. <i>Dalton Transactions</i> , 2017 , 46, 2497-2509	4.3	10
166	Solvometallurgy: An Emerging Branch of Extractive Metallurgy. <i>Journal of Sustainable Metallurgy</i> , 2017 , 3, 570-600	2.7	117

165	Recovery of Rare Earths and Major Metals from Bauxite Residue (Red Mud) by Alkali Roasting, Smelting, and Leaching. <i>Journal of Sustainable Metallurgy</i> , 2017 , 3, 393-404	2.7	46
164	Selective alkaline stripping of metal ions after solvent extraction by base-stable 1,2,3-triazolium ionic liquids. <i>Dalton Transactions</i> , 2017 , 46, 5269-5278	4.3	16
163	Direct Analysis of Metal Ions in Solutions with High Salt Concentrations by Total Reflection X-ray Fluorescence. <i>Analytical Chemistry</i> , 2017 , 89, 4595-4603	7.8	28
162	Polymerization of PPTA in Ionic Liquid/Cosolvent Mixtures. <i>Macromolecules</i> , 2017 , 50, 3089-3100	5.5	13
161	Speciation of indium(iii) chloro complexes in the solvent extraction process from chloride aqueous solutions to ionic liquids. <i>Dalton Transactions</i> , 2017 , 46, 4412-4421	4.3	29
160	Recovery of scandium from sulfation-roasted leachates of bauxite residue by solvent extraction with the ionic liquid betainium bis(trifluoromethylsulfonyl)imide. <i>Separation and Purification Technology</i> , 2017 , 176, 208-219	8.3	69
159	Recovery of scandium(III) from diluted aqueous solutions by a supported ionic liquid phase (SILP). <i>RSC Advances</i> , 2017 , 7, 49664-49674	3.7	25
158	Titanium alkylphosphate functionalised mesoporous silica for enhanced uptake of rare-earth ions. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23805-23814	13	12
157	Magnetomigration of Rare-Earth Ions Triggered by Concentration Gradients. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5301-5305	6.4	16
156	Separation of rare-earth ions from ethylene glycol (+LiCl) solutions by non-aqueous solvent extraction with Cyanex 923. <i>RSC Advances</i> , 2017 , 7, 45351-45362	3.7	26
155	The EURARE Project: Development of a Sustainable Exploitation Scheme for Europe's Rare Earth Ore Deposits. <i>Johnson Matthey Technology Review</i> , 2017 , 61, 142-153	2.5	20
154	Cobalt(II)/nickel(II) separation from sulfate media by solvent extraction with an undiluted quaternary phosphonium ionic liquid. <i>RSC Advances</i> , 2017 , 7, 35992-35999	3.7	35
153	Electrodeposition of bismuth telluride thin films containing silica nanoparticles for thermoelectric applications. <i>Electrochimica Acta</i> , 2017 , 253, 554-562	6.7	5
152	Neutralisation of bauxite residue by carbon dioxide prior to acidic leaching for metal recovery. <i>Minerals Engineering</i> , 2017 , 112, 92-102	4.9	29
151	Closed-loop solvometallurgical process for recovery of lead from iron-rich secondary lead smelter residues. <i>RSC Advances</i> , 2017 , 7, 49999-50005	3.7	12
150	Separation of rare earths and other valuable metals from deep-eutectic solvents: a new alternative for the recycling of used NdFeB magnets. <i>RSC Advances</i> , 2017 , 7, 32100-32113	3.7	73
149	Multifunctional Alginate-Sulfonate-Silica Sphere-Shaped Adsorbent Particles for the Recovery of Indium(III) from Secondary Resources. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 8677-8688	2.0	8
148	Use of Triflic Acid in the Recycling of Thorium from Nuclear Fuel Production Scrap. <i>Journal of Sustainable Metallurgy</i> , 2017 , 3, 659-667	2.7	4

147	Separation of Rare Earths by Solvent Extraction with an Undiluted Nitrate Ionic Liquid. <i>Journal of Sustainable Metallurgy</i> , 2017 , 3, 73-78	2.7	24
146	REE Recovery from End-of-Life NdFeB Permanent Magnet Scrap: A Critical Review. <i>Journal of Sustainable Metallurgy</i> , 2017 , 3, 122-149	2.7	209
145	Antimony recovery from the halophosphate fraction in lamp phosphor waste: a zero-waste approach. <i>Green Chemistry</i> , 2016 , 18, 176-185	10	14
144	Smelting of Bauxite Residue (Red Mud) in View of Iron and Selective Rare Earths Recovery. <i>Journal of Sustainable Metallurgy</i> , 2016 , 2, 28-37	2.7	94
143	Practical guidelines for best practice on Total Reflection X-ray Fluorescence spectroscopy: Analysis of aqueous solutions. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016 , 124, 109-115	3.1	33
142	Assessment of the UO Crystal Structure by X-ray and Electron Diffraction. <i>Inorganic Chemistry</i> , 2016 , 55, 9923-9936	5.1	15
141	Guanidinium nonaflate as a solid-state proton conductor. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12241-12253	3.1	36
140	Comparative Analysis of Processes for Recovery of Rare Earths from Bauxite Residue. <i>Jom</i> , 2016 , 68, 2958-2962	2.1	15
139	Crystal structure of apatite type $\text{Ca}_{2.49}\text{Nd}_{7.51}(\text{SiO}_4)_6\text{O}_{1.75}$. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016 , 72, 209-11	0.7	2
138	Liquid Nickel Salts: Synthesis, Crystal Structure Determination, and Electrochemical Synthesis of Nickel Nanoparticles. <i>Chemistry - A European Journal</i> , 2016 , 22, 1010-20	4.8	15
137	Halogen-free synthesis of symmetrical 1,3-dialkylimidazolium ionic liquids using non-enolisable starting materials. <i>RSC Advances</i> , 2016 , 6, 8848-8859	3.7	21
136	Recovery of scandium from leachates of Greek bauxite residue by adsorption on functionalized chitosan/silica hybrid materials. <i>Green Chemistry</i> , 2016 , 18, 2005-2013	10	84
135	Low-Temperature Oxidation of Fine UO_2 Powders: A Process of Nanosized Domain Development. <i>Inorganic Chemistry</i> , 2016 , 55, 3915-27	5.1	17
134	Lime mortar-compacted bentonite/magnetite interfaces: An experimental study focused on the understanding of the EBS long-term performance for high-level nuclear waste isolation DGR concept. <i>Applied Clay Science</i> , 2016 , 124-125, 79-93	5.2	14
133	On the electrochemical deposition of metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3914-3925	13	88
132	Antimony Recovery from End-of-Life Products and Industrial Process Residues: A Critical Review. <i>Journal of Sustainable Metallurgy</i> , 2016 , 2, 79-103	2.7	73
131	Activated sintering of ThO_2 with Al_2O_3 under reducing and oxidizing conditions. <i>Journal of Nuclear Materials</i> , 2016 , 470, 34-43	3.3	12
130	Ionic liquids as solvents for PPTA oligomers. <i>Green Chemistry</i> , 2016 , 18, 1639-1652	10	41

129	Efficient separation of transition metals from rare earths by an undiluted phosphonium thiocyanate ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 16039-45	3.6	37
128	New metal extractants and super-acidic ionic liquids derived from sulfamic acid. <i>Chemical Communications</i> , 2016 , 52, 7032-5	5.8	20
127	Purification of indium by solvent extraction with undiluted ionic liquids. <i>Green Chemistry</i> , 2016 , 18, 4116-4127	4.1	51
126	Alkylsulfuric acid ionic liquids: a promising class of strongly acidic room-temperature ionic liquids. <i>Chemical Communications</i> , 2016 , 52, 4640-3	5.8	18
125	Ionic Liquid Crystals: Versatile Materials. <i>Chemical Reviews</i> , 2016 , 116, 4643-807	68.1	476
124	Biobased Ionic Liquids: Solvents for a Green Processing Industry?. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2917-2931	8.3	158
123	Magnetomigration of rare-earth ions in inhomogeneous magnetic fields. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 27342-27350	3.6	22
122	Electro-precipitation via oxygen reduction: a new technique for thin film manganese oxide deposition. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13555-13562	13	
121	Recovery of Rare Earths and Other Valuable Metals From Bauxite Residue (Red Mud): A Review. <i>Journal of Sustainable Metallurgy</i> , 2016 , 2, 365-386	2.7	149
120	Rare Earths and the Balance Problem. <i>Journal of Sustainable Metallurgy</i> , 2015 , 1, 29-38	2.7	103
119	Interpretation of europium(III) spectra. <i>Coordination Chemistry Reviews</i> , 2015 , 295, 1-45	23.2	1492
118	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]. <i>Green Chemistry</i> , 2015 , 17, 2150-2163	10	115
117	Towards zero-waste valorisation of rare-earth-containing industrial process residues: a critical review. <i>Journal of Cleaner Production</i> , 2015 , 99, 17-38	10.3	349
116	Extraction and separation of neodymium and dysprosium from used NdFeB magnets: an application of ionic liquids in solvent extraction towards the recycling of magnets. <i>Green Chemistry</i> , 2015 , 17, 2931-2942	10	137
115	Crystal structures of hydrated rare-earth bis(trifluoromethylsulfonyl)imide salts. <i>CrystEngComm</i> , 2015 , 17, 7142-7149	3.3	10
114	Metal Recovery from Nickel Metal Hydride Batteries Using Cyanex 923 in Tricaprylmethylammonium Nitrate from Chloride Aqueous Media. <i>Journal of Sustainable Metallurgy</i> , 2015 , 1, 161-167	2.7	17
113	Metal-organic framework deposition on dealloyed substrates. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19747-19753	13	9
112	Containment and attenuating layers: An affordable strategy that preserves soil and water from landfill pollution. <i>Waste Management</i> , 2015 , 46, 408-19	8.6	22

111	Solvent Extraction of Scandium(III) by an Aqueous Biphasic System with a Nonfluorinated Functionalized Ionic Liquid. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 8988-8996	3.9	50
110	Rare-earth recycling using a functionalized ionic liquid for the selective dissolution and revalorization of Y ₂ O ₃ :Eu ³⁺ from lamp phosphor waste. <i>Green Chemistry</i> , 2015 , 17, 856-868	10	164
109	Lignin solubility in non-imidazolium ionic liquids. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 1821-1826	3.5	54
108	Shaping of Alginate-Bilica Hybrid Materials into Microspheres through Vibrating-Nozzle Technology and Their Use for the Recovery of Neodymium from Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 12836-12846	3.9	37
107	Selective Single-Step Separation of a Mixture of Three Metal Ions by a Triphasic Ionic-Liquid-Water-Ionic-Liquid Solvent Extraction System. <i>Chemistry - A European Journal</i> , 2015 , 21, 11757-66	4.8	20
106	Separation of rare earths by split-anion extraction. <i>Hydrometallurgy</i> , 2015 , 156, 206-214	4	56
105	Overview of the effect of salts on biphasic ionic liquid/water solvent extraction systems: anion exchange, mutual solubility, and thermomorphic properties. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 6747-57	3.4	110
104	Leaching of rare earths from bauxite residue (red mud). <i>Minerals Engineering</i> , 2015 , 76, 20-27	4.9	280
103	Photophysical Property of catena-Bis(thiocyanato)aurate(I) Complexes in Ionic Liquids. <i>Crystal Growth and Design</i> , 2015 , 15, 1422-1429	3.5	10
102	Recovery of Scandium(III) from Aqueous Solutions by Solvent Extraction with the Functionalized Ionic Liquid Betainium Bis(trifluoromethylsulfonyl)imide. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 1887-1898	3.9	96
101	1,2,4-Triazolium perfluorobutanesulfonate as an archetypal pure protic organic ionic plastic crystal electrolyte for all-solid-state fuel cells. <i>Energy and Environmental Science</i> , 2015 , 8, 1276-1291	35.4	110
100	Dissolution of metal oxides in an acid-saturated ionic liquid solution and investigation of the back-extraction behaviour to the aqueous phase. <i>Hydrometallurgy</i> , 2014 , 144-145, 27-33	4	61
99	Adsorption and chromatographic separation of rare earths with EDTA- and DTPA-functionalized chitosan biopolymers. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1530-1540	13	145
98	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. <i>Green Chemistry</i> , 2014 , 16, 1594-1606	10	161
97	Base stable quaternary ammonium ionic liquids. <i>RSC Advances</i> , 2014 , 4, 4472-4477	3.7	25
96	Liquid-liquid extraction of europium(III) and other trivalent rare-earth ions using a non-fluorinated functionalized ionic liquid. <i>Dalton Transactions</i> , 2014 , 43, 1862-72	4.3	92
95	Determination of halide impurities in ionic liquids by total reflection X-ray fluorescence spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 3931-8	7.8	42
94	Electrodeposition of Lithium From Lithium-Containing Solvate Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 20152-20162	3.8	25

93	Separation of rare earths and nickel by solvent extraction with two mutually immiscible ionic liquids. <i>RSC Advances</i> , 2014 , 4, 5753	3.7	54
92	Selective extraction of metals using ionic liquids for nickel metal hydride battery recycling. <i>Green Chemistry</i> , 2014 , 16, 4595-4603	10	90
91	Enantioselective Assembly of a Ruthenium(II) Polypyridyl Complex into a Double Helix. <i>Angewandte Chemie</i> , 2014 , 126, 9105-9108	3.6	3
90	Adsorption performance of functionalized chitosan/silica hybrid materials toward rare earths. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19415-19426	13	135
89	Solvent extraction of europium(III) to a fluorine-free ionic liquid phase with a diglycolamic acid extractant. <i>RSC Advances</i> , 2014 , 4, 11899-11906	3.7	36
88	Solvent Extraction of Neodymium(III) by Functionalized Ionic Liquid Trioctylmethylammonium Dioctyl Diglycolamate in Fluorine-free Ionic Liquid Diluent. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 6500-6508	3.9	99
87	Determination of halide ions in solution by Total Reflection X-ray Fluorescence (TXRF) spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 1391-4	7.8	19
86	Electrocarboxylation: towards sustainable and efficient synthesis of valuable carboxylic acids. <i>Beilstein Journal of Organic Chemistry</i> , 2014 , 10, 2484-500	2.5	100
85	Decarboxylation of a Wide Range of Amino Acids with Electrogenerated Hypobromite. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 6649-6652	3.2	20
84	From NdFeB magnets towards the rare-earth oxides: a recycling process consuming only oxalic acid. <i>RSC Advances</i> , 2014 , 4, 64099-64111	3.7	112
83	Homogeneous Liquid-Liquid Extraction of Metal Ions with a Functionalized Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1659-63	6.4	168
82	How safe are protic ionic liquids? Explosion of pyrrolidinium nitrate. <i>Green Chemistry</i> , 2013 , 15, 3484	10	28
81	Electrodeposition of copper/zinc alloys from an ionic liquid-like choline acetate electrolyte. <i>Electrochimica Acta</i> , 2013 , 108, 788-794	6.7	42
80	A continuous ionic liquid extraction process for the separation of cobalt from nickel. <i>Green Chemistry</i> , 2013 , 15, 3160	10	92
79	Electrochemical dicarboxylation of conjugated fatty acids as an efficient valorization of carbon dioxide. <i>RSC Advances</i> , 2013 , 3, 4634	3.7	22
78	Recycling of rare earths: a critical review. <i>Journal of Cleaner Production</i> , 2013 , 51, 1-22	10.3	1360
77	Processes and impacts of acid discharges on a natural substratum under a landfill. <i>Science of the Total Environment</i> , 2013 , 463-464, 1049-59	10.2	12
76	Removal of transition metals from rare earths by solvent extraction with an undiluted phosphonium ionic liquid: separations relevant to rare-earth magnet recycling. <i>Green Chemistry</i> , 2013 , 15, 919	10	264

75	Ionic Liquids Based on the 7-Azabicyclo[2.2.1]heptane Skeleton: Synthesis and Properties. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 3741-3750	3.2	3
74	High pressure, high temperature electrochemical synthesis of metal-organic frameworks: films of MIL-100 (Fe) and HKUST-1 in different morphologies. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5827	13	121
73	Homogeneous liquid-liquid extraction of rare earths with the betaine-betainium bis(trifluoromethylsulfonyl)imide ionic liquid system. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 21353-77	6.3	72
72	Improvement of attenuation functions of a clayey sandstone for landfill leachate containment by bentonite addition. <i>Science of the Total Environment</i> , 2012 , 419, 81-9	10.2	10
71	The performance of natural clay as a barrier to the diffusion of municipal solid waste landfill leachates. <i>Journal of Environmental Management</i> , 2012 , 95 Suppl, S175-81	7.9	34
70	Crystal structures of low-melting ionic transition-metal complexes with N-alkylimidazole ligands. <i>CrystEngComm</i> , 2012 , 14, 4902	3.3	34
69	Quinolinium and isoquinolinium ionic liquid crystals. <i>RSC Advances</i> , 2012 , 2, 8061	3.7	41
68	Phenolate platform for anion exchange in ionic liquids. <i>RSC Advances</i> , 2012 , 2, 11936	3.7	17
67	Pollution profiles and physicochemical parameters in old uncontrolled landfills. <i>Waste Management</i> , 2012 , 32, 482-97	8.6	44
66	Diffusion of landfill leachate through compacted natural clays containing small amounts of carbonates and sulfates. <i>Applied Geochemistry</i> , 2012 , 27, 1202-1213	3.5	12
65	An environmentally friendlier approach to hydrometallurgy: highly selective separation of cobalt from nickel by solvent extraction with undiluted phosphonium ionic liquids. <i>Green Chemistry</i> , 2012 , 14, 1657	10	171
64	Electrodeposition of luminescent composite metal coatings containing rare-earth phosphor particles. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5514		27
63	Synthesis of glucose esters from cellulose in ionic liquids. <i>Holzforschung</i> , 2012 , 66,	2	8
62	Direct-on-barrier copper electroplating on ruthenium from the ionic liquid 1-ethyl-3-methylimidazolium dicyanamide. <i>Journal of Materials Science: Materials in Electronics</i> , 2012 , 23, 945-951	2.1	14
61	A Modular Approach towards the Synthesis of Target-Specific MRI Contrast Agents. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 3577-3585	2.3	16
60	Symmetry and electronic states of Mn ²⁺ in ZnS nanowires with mixed hexagonal and cubic stacking. <i>Applied Physics Letters</i> , 2010 , 97, 041918	3.4	5
59	Europium(III)-doped liquid-crystalline physical gels. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8571		23
58	Physical Properties of Metallomesogens 2010 , 61-141		8

57	Immobilization of molecular catalysts in supported ionic liquid phases. <i>Dalton Transactions</i> , 2010 , 39, 8377-90	4.3	209
56	Cellulose conversion into alkylglycosides in the ionic liquid 1-butyl-3-methylimidazolium chloride. <i>Green Chemistry</i> , 2010 , 12, 1790	10	44
55	Synthesis, Structure, and Spectroscopic Properties of the New Lanthanum(III) Fluoride Oxomolybdate(VI) La ₃ FMo ₄ O ₁₆ . <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 1626-1632	2.3	10
54	(Tetracycline)europium(III) Complex as Luminescent Probe for Hydrogen Peroxide Detection. <i>Helvetica Chimica Acta</i> , 2009 , 92, 2387-2397	2	10
53	Lanthanide-based luminescent hybrid materials. <i>Chemical Reviews</i> , 2009 , 109, 4283-374	68.1	2680
52	Luminescence of metallomesogens in the liquid crystal state. <i>Journal of Materials Chemistry</i> , 2009 , 19, 448-453		135
51	Electrochemical decomposition of choline chloride based ionic liquid analogues. <i>Green Chemistry</i> , 2009 , 11, 1357	10	131
50	Polynuclear Metal Complexes Obtained from the Task-Specific Ionic Liquid Betainium Bistriflimide. <i>Crystal Growth and Design</i> , 2008 , 8, 1353-1363	3.5	83
49	Imidazo[4,5-f]-1,10-phenanthrolines: Versatile Ligands for the Design of Metallomesogens. <i>Chemistry of Materials</i> , 2008 , 20, 1278-1291	9.6	82
48	Rigid tetracatenar liquid crystals derived from 1,10-phenanthroline. <i>Soft Matter</i> , 2008 , 4, 2172	3.6	32
47	Liquid-Crystalline Ternary Rare-Earth Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 756-761	2.3	34
46	Lanthanides and actinides in ionic liquids. <i>Chemical Reviews</i> , 2007 , 107, 2592-614	68.1	553
45	Rare-Earth Nitroquinolinates: Visible-Light-Sensitizable Near-Infrared Emitters in Aqueous Solution. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 302-305	2.3	29
44	Bis(phenylethylamide) Derivatives of Gd-DTPA as Potential Receptor-Specific MRI Contrast Agents. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 2061-2067	2.3	23
43	Speciation of Uranyl Nitrate Complexes in Acetonitrile and in the Ionic Liquid 1-Butyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 5120-5126	2.3	54
42	Dinuclear Lanthanide Schiff-Base Complexes Forming a Rectangular Columnar Mesophase. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 150-157	2.3	39
41	Mandelohydroxamic Acid as Ligand for Copper(II) 15-Metallacrown-5 Lanthanide(III) and Copper(II) 15-Metallacrown-5 Uranyl Complexes. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 1466-1474	2.3	21
40	Study of Thermodynamic and Kinetic Stability of Transition Metal and Lanthanide Complexes of DTPA Analogues with a Phosphorus Acid Pendant Arm. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 1976-1986	2.3	30

39	Task-specific ionic liquid for solubilizing metal oxides. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 20978-924	3.2	357
38	Ionic liquid crystals. <i>Chemical Reviews</i> , 2005 , 105, 4148-204	68.1	996
37	Alkali-Metal Salts of Aromatic Carboxylic Acids: Liquid Crystals without Flexible Chains. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 563-571	2.3	30
36	Mixed f-d Metallomesogens with an Extended Rigid Core. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 1506-1513	2.3	24
35	Lanthanide(III)-Induced Conversion of 12-Metallacrown-4 to 5-Metallacrown-5 Complexes in Solution. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 3303-3310	2.3	29
34	Lanthanide(III) Tosylates as New Acylation Catalysts. <i>European Journal of Organic Chemistry</i> , 2005 , 2005, 1810-1815	3.2	19
33	A luminescent tris(2-thenoyltrifluoroacetato)europium(III) complex covalently linked to a 1,10-phenanthroline-functionalised sol-gel glass. <i>Journal of Materials Chemistry</i> , 2004 , 14, 191-195		311
32	Gadolinium DTPA-Monoamide Complexes Incorporated into Mixed Micelles as Possible MRI Contrast Agents. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 3538-3543	2.3	55
31	Lanthanide(III) Nitrobenzenesulfonates as New Nitration Catalysts: The Role of the Metal and of the Counterion in the Catalytic Efficiency. <i>European Journal of Organic Chemistry</i> , 2004 , 2004, 4560-4566 ^{3,2}		13
30	Spectroscopic properties of uranyl crown ether complexes in non-aqueous solvents. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 2946-2950	3.6	15
29	Spectroscopic properties of uranyl chloride complexes in non-aqueous solvents. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 3292-3298	3.6	47
28	Near-Infrared Luminescence of Lanthanide Calcein and Lanthanide Dipicolinate Complexes Doped into a Silica/PEG Hybrid Material. <i>Chemistry of Materials</i> , 2004 , 16, 1531-1535	9.6	108
27	Mesophase behaviour and thermal stability of octa-alkoxy substituted phthalocyaninatocobalt (II) complexes. <i>Liquid Crystals</i> , 2003 , 30, 143-148	2.3	5
26	Influence of the ligand structure on the liquid crystalline properties of lanthanide-containing salicylaldimine mesogens. <i>Liquid Crystals</i> , 2003 , 30, 479-486	2.3	8
25	Judd-Olfelt analysis of lanthanide doped silica/PEG hybrid sol-gels. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 198-202	3.6	22
24	Potential MRI Contrast Agents Based on Micellar Incorporation of Amphiphilic Bis(alkylamide) Derivatives of [(GdDTPA)(H ₂ O)] ₂ . <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 3021-3027	2.3	66
23	Adducts of Schiff Bases with Tris(Ediketonato)lanthanide(III) Complexes: Structure and Liquid-Crystalline Behaviour. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 3028-3033	2.3	21
22	Crystal Structures and Thermal Behaviour of Lanthanide(III) Hexanoate 1, 10-Phenanthroline Complexes, [M(C ₅ H ₁₁ CO ₂) ₃ (phen)] and [Tm(C ₅ H ₁₁ CO ₂) ₂ (NO ₃)(phen)]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2003 , 629, 975-980	1.3	7

21	Influence of the Chain Length on the Thermal Behavior of Lanthanide(III) 4-Alkoxybenzoates. <i>Chemistry of Materials</i> , 2003 , 15, 212-217	9.6	17
20	Structure and Mesomorphic Behavior of Alkoxy-Substituted Bis(phthalocyaninato)lanthanide(III) Complexes. <i>Chemistry of Materials</i> , 2003 , 15, 3930-3938	9.6	75
19	Halogen substitution as an efficient tool to increase the near-infrared photoluminescence intensity of erbium(III) quinolinates in non-deuterated DMSO. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 2754-2757	3.6	54
18	Near-infrared photoluminescence of lanthanide-doped liquid crystals. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1520-1522		99
17	Liquid-crystalline azines formed by the rare-earth promoted decomposition of hydrazide β -keto ligands: structural and thermal properties. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1639-1645		31
16	Mixed copper-lanthanide metallomesogens. <i>Chemistry - A European Journal</i> , 2002 , 8, 1101-5	4.8	61
15	Room-temperature magnetic anisotropy of lanthanide complexes: A model study for various coordination polyhedra. <i>Journal of Chemical Physics</i> , 2002 , 116, 4673-4685	3.9	88
14	Narrow band photoluminescence of europium-doped liquid crystals. <i>Journal of Materials Chemistry</i> , 2002 , 12, 3374-3376		67
13	Influence of heat treatment on the intensities of f-f transitions in lanthanide-doped sol-gel glasses. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 552-555	3.6	22
12	Lanthanide-containing liquid crystals and surfactants. <i>Chemical Reviews</i> , 2002 , 102, 2303-46	68.1	461
11	Nature of equilibrium shifts in racemic praseodymium(III) tris(2,2'-oxydiacetate) induced by interaction with chiral probes. <i>Dalton Transactions RSC</i> , 2002 , 1602-1606		18
10	Thermal behaviour of lanthanum(III) alkanoates. <i>Liquid Crystals</i> , 2001 , 28, 1727-1733	2.3	27
9	Mesomorphic Complexes of the Lanthanide Elements. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 364, 745-752		9
8	Rare-earth complexes of mesomorphic Schiff's base ligands. <i>Liquid Crystals</i> , 2001 , 28, 279-285	2.3	20
7	Lanthanide(III) Dodecanoates: Structure, Thermal Behaviour, and Ion-Size Effects on the Mesomorphism. <i>European Journal of Inorganic Chemistry</i> , 2000 , 2000, 1429-1436	2.3	45
6	Rare-Earth-Containing Magnetic Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2000 , 122, 4335-4344	16.4	225
5	On the mesomorphism of lanthanum (III) alkanoates. <i>Liquid Crystals</i> , 1999 , 26, 1717-1721	2.3	18
4	High Attenuation Recycled Materials as landfill liners (the HARM project) [A new concept for improved landfill liner design]		3

3	Closing the Loop in Ion Flotation: Recovery of Copper, Regeneration and Reuse of Collector from the Foam Phase by a Solvometallurgical Process. <i>Journal of Sustainable Metallurgy</i> ,1	2.7	2
2	Electrochemical oxidation of terbium(III) in aqueous media: influence of supporting electrolyte on oxidation potential and stability. <i>Journal of Applied Electrochemistry</i> ,1	2.6	0
1	Recovery of Copper from Ammoniacal Leachates by Ion Flotation. <i>Journal of Sustainable Metallurgy</i> ,1	2.7	7