

# Bruce A Moyer

## List of Publications by Year in descending order

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176  
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citing authors

#	ARTICLE	IF	CITATIONS
1	The Coordination Chemistry and Stoichiometry of Extracted Diglycolamide Complexes of Lanthanides in Extraction Chromatography Materials. <i>Solvent Extraction and Ion Exchange</i> , 2022, 40, 6-27.	2.0	11
2	A Photoresponsive Receptor with a $10^5$ Magnitude of Reversible Anion Binding Switching. <i>Chemistry - A European Journal</i> , 2022, , .	3.3	2
3	Fabrication and Characterization of Composite Membranes for the Concentration of Lithium Containing Solutions Using Forward Osmosis. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000165.	5.3	5
4	Structure Activity Relationship Approach toward the Improved Separation of Rare-Earth Elements Using Diglycolamides. <i>Inorganic Chemistry</i> , 2020, 59, 17620-17630.	4.0	39
5	Synergistic Self-Assembly of Oxoanions and d-Block Metal Ions with Heteroditopic Receptors into Triple-Stranded Helicates. <i>Chemistry - A European Journal</i> , 2020, 26, 14290-14294.	3.3	3
6	Molecular Recognition at Mineral Interfaces: Implications for the Beneficiation of Rare Earth Ores. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 16327-16341.	8.0	20
7	Neutron Spectroscopic and Thermochemical Characterization of Lithium-Aluminum-Layered Double Hydroxide Chloride: Implications for Lithium Recovery. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20723-20729.	3.1	20
8	Extraction Chromatographic Materials for Clean Hydrometallurgical Separation of Rare-Earth Elements Using Diglycolamide Extractants. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 20081-20089.	3.7	19
9	Sequestration of trivalent americium and lanthanide nitrates with bis-lactam-1,10-phenanthroline ligand in a hydrocarbon solvent. <i>RSC Advances</i> , 2019, 9, 26537-26541.	3.6	16
10	Efficient Separation of Light Lanthanides(III) by Using Bis-Lactam Phenanthroline Ligands. <i>Chemistry - A European Journal</i> , 2019, 25, 6326-6331.	3.3	51
11	Enhancing selectivity of cation exchange with anion receptors. <i>Chemical Communications</i> , 2019, 55, 3590-3593.	4.1	8
12	Lithium aluminum-layered double hydroxide chlorides (LDH): Formation enthalpies and energetics for lithium ion capture. <i>Journal of the American Ceramic Society</i> , 2019, 102, 2398-2404.	3.8	34
13	Guanidinium-Based Ionic Covalent Organic Framework for Rapid and Selective Removal of Toxic Cr(VI) Oxoanions from Water. <i>Environmental Science &amp; Technology</i> , 2019, 53, 878-883.	10.0	101
14	Simple guanidinium motif for the selective binding and extraction of sulfate. <i>Separation Science and Technology</i> , 2018, 53, 1864-1873.	2.5	12
15	Selective Solid-Liquid and Liquid-Liquid Extraction of Lithium Chloride Using Strapped Calix[4]pyrroles. <i>Angewandte Chemie</i> , 2018, 130, 12100-12104.	2.0	17
16	Selective Solid-Liquid and Liquid-Liquid Extraction of Lithium Chloride Using Strapped Calix[4]pyrroles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11924-11928.	13.8	76
17	Innentitelbild: Selective Solid-Liquid and Liquid-Liquid Extraction of Lithium Chloride Using Strapped Calix[4]pyrroles ( <i>Angew. Chem.</i> 37/2018). <i>Angewandte Chemie</i> , 2018, 130, 11998-11998.	2.0	0
18	Lithium Recovery from Aqueous Resources and Batteries: A Brief Review. <i>Johnson Matthey Technology Review</i> , 2018, 62, 161-176.	1.0	107

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19	Surprisingly selective sulfate extraction by a simple monofunctional di(imino)guanidinium micelle-forming anion receptor. <i>Chemical Communications</i> , 2018, 54, 10048-10051.	4.1	27
20	Outer-Sphere Water Clusters Tune the Lanthanide Selectivity of Diglycolamides. <i>ACS Central Science</i> , 2018, 4, 739-747.	11.3	69
21	Capping the calix: how toluene completes cesium (<math>Cs^+</math>) coordination with calix[4]pyrrole. <i>Chemical Communications</i> , 2017, 53, 5610-5613.	4.1	18
22	Bis-lactam-1,10-phenanthroline (BLPhen), a New Type of Preorganized Mixed N,O-Donor Ligand That Separates Am(III) over Eu(III) with Exceptionally High Efficiency. <i>Inorganic Chemistry</i> , 2017, 56, 5911-5917.	4.0	64
23	Recovery of Lithium from Geothermal Brine with Lithium-Aluminum Layered Double Hydroxide Chloride Sorbents. <i>Environmental Science &amp; Technology</i> , 2017, 51, 13481-13486.	10.0	132
24	Trefoil-Shaped Outer-Sphere Ion Clusters Mediate Lanthanide(III) Ion Transport with Diglycolamide Ligands. <i>Journal of the American Chemical Society</i> , 2017, 139, 17350-17358.	13.7	60
25	Straining to Separate the Rare Earths: How the Lanthanide Contraction Impacts Chelation by Diglycolamide Ligands. <i>Inorganic Chemistry</i> , 2017, 56, 1152-1160.	4.0	68
26	Tandem dissolution of $UO_3$ in amide-based acidic ionic liquid and in situ electrodeposition of $UO_2$ with regeneration of the ionic liquid: a closed cycle. <i>Dalton Transactions</i> , 2016, 45, 10151-10154.	3.3	14
27	Thermal stability study of a new guanidine suppressor for the next-generation caustic-side solvent extraction process. <i>Separation Science and Technology</i> , 2016, 51, 1133-1140.	2.5	2
28	Computer-Aided Molecular Design of Bis-phosphine Oxide Lanthanide Extractants. <i>Inorganic Chemistry</i> , 2016, 55, 5787-5803.	4.0	46
29	$\hat{1}\pm, \hat{1}\pm\hat{2}, \hat{1}\pm\hat{3}, \hat{1}\pm\hat{2}\hat{3}$ -meso-tetrahexyltetramethyl-calix[4]pyrrole: an easy-to-prepare, isomerically pure anion extractant with enhanced solubility in organic solvents. <i>Supramolecular Chemistry</i> , 2016, 28, 176-187.	1.2	8
30	Sodium Sulfate Separation from Aqueous Alkaline Solutions via Crystalline Urea-Functionalized Capsules: Thermodynamics and Kinetics of Crystallization. <i>Crystal Growth and Design</i> , 2015, 15, 517-522.	3.0	20
31	Dissolution of the Rare Earth Mineral Bastnaesite by Acidic Amide Ionic Liquid for Recovery of Critical Materials. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4354-4361.	2.0	17
32	Critical Materials Recovery from Solutions and Wastes: Retrospective and Outlook. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9387-9389.	10.0	6
33	Thermal Degradation of the Solvent Employed in the Next-Generation Caustic-Side Solvent Extraction Process and its Effect on the Extraction, Scrubbing, and Stripping of Cesium. <i>Solvent Extraction and Ion Exchange</i> , 2015, 33, 576-591.	2.0	6
34	Minor actinide separation in the reprocessing of spent nuclear fuels. , 2015, , 289-312.		24
35	A conformationally persistent pseudo-bicyclic guanidinium for anion coordination as stabilized by dual intramolecular hydrogen bonds. <i>RSC Advances</i> , 2015, 5, 107266-107269.	3.6	9
36	Radiolytic Treatment of the Next-Generation Caustic-Side Solvent Extraction (NGS) Solvent and its Effect on the NGS Process. <i>Solvent Extraction and Ion Exchange</i> , 2015, 33, 134-151.	2.0	11

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37	Recovery of Uranium from Wet Phosphoric Acid by Solvent Extraction Processes. <i>Chemical Reviews</i> , 2014, 114, 12002-12023.	47.7	151
38	Crown ethers in graphene. <i>Nature Communications</i> , 2014, 5, 5389.	12.8	142
39	Bipyrrole-Strapped Calix[4]pyrroles: Strong Anion Receptors That Extract the Sulfate Anion. <i>Journal of the American Chemical Society</i> , 2014, 136, 15079-15085.	13.7	79
40	Calix[4]arene-bis( <i>t</i> -octylbenzo-18-crown-6) as an extraordinarily effective macrocyclic receptor for the univalent thallium cation. <i>Structural Chemistry</i> , 2014, 25, 847-852.	2.0	7
41	Challenges to achievement of metal sustainability in our high-tech society. <i>Chemical Society Reviews</i> , 2014, 43, 2451-2475.	38.1	208
42	Direct Electrodeposition of UO <sub>2</sub> from Uranyl Bis(trifluoromethanesulfonyl)imide Dissolved in 1-Ethyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)imide Room Temperature Ionic Liquid System. <i>Electrochimica Acta</i> , 2014, 115, 630-638.	5.2	17
43	Solvent extraction of Li <sup>+</sup> , H <sub>3</sub> O <sup>+</sup> and NH <sub>4</sub> <sup>+</sup> into nitrobenzene by using sodium dicarbollylcobaltate and calix[4]arene-bis( <i>t</i> -octylbenzo-18-crown-6). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 2171-2174.	1.5	3
44	First Experimentally Determined Thermodynamic Values of Francium: Hydration Energy, Energy of Partitioning, and Thermodynamic Radius. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9258-9261.	2.6	3
45	Lipophilic, Mono-ionizable, Calix[4]arene-bis(benzocrown-6) Compounds for Solvent Extraction of Cesium from Nuclear Wastes: Synthesis and Evaluation. <i>Solvent Extraction and Ion Exchange</i> , 2013, 31, 683-696.	2.0	14
46	Synergistic extraction of some univalent cations into nitrobenzene by using cesium dicarbollylcobaltate and calix[4]arene-bis( <i>t</i> -octylbenzo-18-crown-6). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 1015-1018.	1.5	4
47	Capture and metathesis-based release of potassium salts by a multitopic ion receptor. <i>Chemical Communications</i> , 2013, 49, 2112.	4.1	23
48	A Case for Molecular Recognition in Nuclear Separations: Sulfate Separation from Nuclear Wastes. <i>Inorganic Chemistry</i> , 2013, 52, 3473-3490.	4.0	130
49	Interaction of the cesium cation with calix[4]arene-bis( <i>t</i> -octylbenzo-18-crown-6): Extraction and DFT study. <i>Journal of Molecular Structure</i> , 2013, 1033, 14-18.	3.6	10
50	Highly Lipophilic, Mono-ionizable Calix[4]arene-benzocrown-6 Extractants for Removal of Radiocesium from Nuclear Wastes. <i>Solvent Extraction and Ion Exchange</i> , 2013, 31, 697-714.	2.0	6
51	KF and CsF Recognition and Extraction by a Calix[4]crown-5 Strapped Calix[4]pyrrole Multitopic Receptor. <i>Journal of the American Chemical Society</i> , 2012, 134, 20837-20843.	13.7	82
52	Controlling Cesium Cation Recognition via Cation Metathesis within an Ion Pair Receptor. <i>Journal of the American Chemical Society</i> , 2012, 134, 1782-1792.	13.7	87
53	Selectivity Control in Synergistic Liquid-Liquid Anion Exchange of Univalent Anions via Structure-Specific Cooperativity between Quaternary Ammonium Cations and Anion Receptors. <i>Analytical Chemistry</i> , 2012, 84, 8214-8221.	6.5	7
54	Interaction of Cesium Ions with Calix[4]arene-bis( <i>t</i> -octylbenzo-18-crown-6): NMR and Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7578-7587.	2.6	131

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55	Sulfate Separation from Aqueous Alkaline Solutions by Selective Crystallization of Alkali Metal Coordination Capsules. <i>Crystal Growth and Design</i> , 2011, 11, 2702-2706.	3.0	66
56	Supramolecular organization of calix[4]pyrrole with a methyl-trialkylammonium anion exchanger leads to remarkable reversal of selectivity for sulfate extraction vs. nitrate. <i>Chemical Communications</i> , 2011, 47, 7611.	4.1	40
57	Enhanced liquid-liquid anion exchange using macrocyclic anion receptors: effect of receptor structure on sulphate-nitrate exchange selectivity. <i>Supramolecular Chemistry</i> , 2010, 22, 653-671.	1.2	28
58	Selectivity Principles in Anion Separation by Crystallization of Hydrogen-Bonding Capsules. <i>Journal of the American Chemical Society</i> , 2010, 132, 7177-7185.	13.7	114
59	Robustness of the CSSX Process to Feed Variation: Efficient Cesium Removal from the High Potassium Wastes at Hanford. <i>Solvent Extraction and Ion Exchange</i> , 2010, 28, 19-48.	2.0	29
60	Alternatives to Nitric Acid Stripping in the Caustic-Side Solvent Extraction (CSSX) Process for Cesium Removal from Alkaline High-Level Waste. <i>Solvent Extraction and Ion Exchange</i> , 2009, 27, 172-198.	2.0	17
61	Sulfate Recognition by Persistent Crystalline Capsules with Rigidified Hydrogen-Bonding Cavities. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1866-1870.	13.8	179
62	Enhanced Anion Exchange for Selective Sulfate Extraction: Overcoming the Hofmeister Bias. <i>Journal of the American Chemical Society</i> , 2008, 130, 14386-14387.	13.7	107
63	Calix[4]pyrrole: A New Ion-Pair Receptor As Demonstrated by Liquid-Liquid Extraction. <i>Journal of the American Chemical Society</i> , 2008, 130, 4129-4139.	13.7	158
64	Extraction of Cesium by a Calix[4]arene-Crown Ether Bearing a Pendant Amine Group. <i>Solvent Extraction and Ion Exchange</i> , 2007, 25, 373-388.	2.0	15
65	Sulfate separation by selective crystallization of a urea-functionalized metal-organic framework. <i>Chemical Communications</i> , 2007, , 1541-1543.	4.1	103
66	Octamethyl-octaundecylcyclo[8]pyrrole: A Promising Sulfate Anion Extractant. <i>Journal of the American Chemical Society</i> , 2007, 129, 11020-11021.	13.7	139
67	Anion Partitioning and Ion-Pairing Behavior of Anions in the Extraction of Cesium Salts by 4,5-Bis(tert-octylbenzo)dibenzo-24-crown-8 in 1,2-Dichloroethane. <i>Inorganic Chemistry</i> , 2007, 46, 261-272.	4.0	39
68	Anion Separation with Metal-Organic Frameworks. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1321-1340.	2.0	341
69	Supramolecular Chemistry of Environmentally Relevant Anions. <i>Advances in Inorganic Chemistry</i> , 2006, 59, 175-204.	1.0	70
70	A Striking Effect of Ionic-Liquid Anions in the Extraction of Sr <sup>2+</sup> and Cs <sup>+</sup> by Dicyclohexano-18-Crown-6. <i>Solvent Extraction and Ion Exchange</i> , 2006, 24, 19-31.	2.0	107
71	Anion Separation by Selective Crystallization of Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2006, 45, 6446-6452.	4.0	90
72	Anion Coordination in Metal-Organic Frameworks Functionalized with Urea Hydrogen-Bonding Groups. <i>Crystal Growth and Design</i> , 2006, 6, 555-563.	3.0	101

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73	Combined Extraction of Cesium and Strontium from Alkaline Nitrate Solutions. Solvent Extraction and Ion Exchange, 2006, 24, 197-217.	2.0	19
74	Pseudo-Hydroxide Extraction in the Separation of Sodium Hydroxide from Aqueous Solutions Using Alkyl Phenols. Solvent Extraction and Ion Exchange, 2006, 24, 387-405.	2.0	5
75	Calix[4]pyrrole: An Old yet New Ion-Pair Receptor. Angewandte Chemie - International Edition, 2005, 44, 2537-2542.	13.8	255
76	Immobilization of lithium-selective 14-crown-4 on crosslinked polymer supports. Polymer, 2005, 46, 6347-6352.	3.8	17
77	Fundamental Studies Regarding Synergism Between Calix[4]arene-bis(tert-octylbenzo-crown-6) and Alcohol Modifiers in the Solvent Extraction of Cesium Nitrate. Solvent Extraction and Ion Exchange, 2005, 23, 23-57.	2.0	31
78	An Equilibrium Model of Pseudo-Hydroxide Extraction in the Separation of Sodium Hydroxide from Aqueous Solutions using Lipophilic Fluorinated Alcohols and Phenols. Separation Science and Technology, 2005, 40, 725-738.	2.5	8
79	Structural Design Criteria for Anion Hosts: Strategies for Achieving Anion Shape Recognition through the Complementary Placement of Urea Donor Groups. Journal of the American Chemical Society, 2005, 127, 1810-1819.	13.7	240
80	A coordinatively saturated sulfate encapsulated in a metal-organic framework functionalized with urea hydrogen-bonding groups. Chemical Communications, 2005, , 5971.	4.1	168
81	Use of Macrocycles in Nuclear-Waste Cleanup: A Realworld Application of a Calixcrown in Cesium Separation Technology. , 2005, , 383-405.		28
82	Synthesis and Properties of Calix[4]arene-bis[4-(2-ethylhexyl)benzo-crown-6], A Cesium Extractant with Improved Solubility. Solvent Extraction and Ion Exchange, 2004, 22, 611-636.	2.0	34
83	A solution to stripping problems caused by organophilic anion impurities in crown-ether-based solvent extraction systems: a case study of cesium removal from radioactive wastes. Hydrometallurgy, 2004, 72, 9-19.	4.3	35
84	pH-Switchable Cesium Nitrate Extraction with Calix[4]arene Mono and bis(Benzo-crown-6) Ethers Bearing Amino Functionalities. Solvent Extraction and Ion Exchange, 2004, 22, 637-661.	2.0	21
85	Structural Criteria for the Rational Design of Selective Ligands: Convergent Hydrogen Bonding Sites for the Nitrate Anion. Journal of the American Chemical Society, 2004, 126, 7925-7934.	13.7	89
86	Dual-Host Combinations: Using Tripodal Amides to Enhance Cesium Nitrate Extraction by Crown Ethers. , 2004, , 125-150.		5
87	Rational Design of Cesium-Selective Ionophores: Dihydrocalix[4]arene Crown-6 Ethers. European Journal of Organic Chemistry, 2003, 2003, 4862-4869.	2.4	22
88	New amino-functionalized 1,3-alternate calix[4]arene bis- and mono-(benzo-crown-6 ethers) for pH-switched cesium nitrate extraction. Tetrahedron Letters, 2003, 44, 5397-5401.	1.4	29
89	Selectivity of Calix[4]arene-bis(benzocrown-6) in the Complexation and Transport of Francium Ion. Journal of the American Chemical Society, 2003, 125, 1126-1127.	13.7	37
90	Synergistic Pseudo-Hydroxide Extraction: Synergism and Anion Selectivity in Sodium Extraction Using a Crown Ether and a Series of Weak Lipophilic Acids. Analytical Chemistry, 2003, 75, 405-412.	6.5	12

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91	Vibrational Spectroscopy of Weak Hydroxy Acids Used as Extractants of Sodium Hydroxide into 1-Octanol. <i>Applied Spectroscopy</i> , 2003, 57, 238-241.	2.2	6
92	Fluorinated calixpyrroles: anion-binding extractants that reduce the Hofmeister bias. <i>Chemical Communications</i> , 2003, , 2248.	4.1	48
93	Development of Effective Solvent Modifiers for the Solvent Extraction of Cesium from Alkaline High-Level Tank Waste. <i>Solvent Extraction and Ion Exchange</i> , 2003, 21, 141-170.	2.0	67
94	Separation of NaOH by Solvent Extraction Using Weak Hydroxy Acids. <i>Solvent Extraction and Ion Exchange</i> , 2003, 21, 483-504.	2.0	12
95	Selective carrier-mediated cesium transport through polymer inclusion membranes by calix[4]arene-crown-6 carriers from complex aqueous mixtures. <i>Radiochimica Acta</i> , 2002, 90, 43-52.	1.2	21
96	Selective Separation of Hydroxide from Alkaline Nuclear Tank Waste by Liquid-Liquid Extraction with Weak Hydroxy Acids. <i>Environmental Science &amp; Technology</i> , 2002, 36, 1861-1867.	10.0	28
97	Crystallographic Evidence for Oxygen Acceptor Directionality in Oxyanion Hydrogen Bonds. <i>Journal of the American Chemical Society</i> , 2002, 124, 182-183.	13.7	59
98	Solvation of Calix[4]arene-bis-crown-6 Molecules. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 42, 241-245.	1.6	5
99	Synthesis, Structure, and Extraction Properties of paco-Calix[4]arene Crown-6 Ethers. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 43, 55-64.	1.6	3
100	Novel Approach to Sodium Hydroxide Separation: A Synergistic Pseudo-Hydroxide Extraction by a Fluorinated Alcohol and Cage-Functionalized Crown Ethers. <i>Journal of the American Chemical Society</i> , 2001, 123, 12099-12100.	13.7	32
101	Regeneration of Perchlorate (ClO <sub>4</sub> <sup>-</sup> )-Loaded Anion Exchange Resins by a Novel Tetrachloroferrate (FeCl <sub>4</sub> <sup>-</sup> ) Displacement Technique. <i>Environmental Science &amp; Technology</i> , 2001, 35, 3363-3368.	10.0	124
102	SOLVATOCHROMIC SOLVENT POLARITY MEASUREMENTS OF ALCOHOL SOLVENT MODIFIERS AND CORRELATION WITH CESIUM EXTRACTION STRENGTH. <i>Solvent Extraction and Ion Exchange</i> , 2001, 19, 1037-1058.	2.0	29
103	Attenuation of Hofmeister bias in ion-pair extraction by a disulfonamide anion host used in strikingly effective synergistic combination with a calix-crown Cs <sup>+</sup> host. <i>Chemical Communications</i> , 2001, , 1620-1621.	4.1	51
104	Synthesis, structure, and extraction behavior of 4,5,6,7-tetra-tert-butyltetrabenzo-24-crown-8. <i>Perkin Transactions II RSC</i> , 2001, , 808-814.	1.1	5
105	DEVELOPMENT OF A SOLVENT EXTRACTION PROCESS FOR CESIUM REMOVAL FROM SRS TANK WASTE. <i>Separation Science and Technology</i> , 2001, 36, 743-766.	2.5	52
106	LIQUID-LIQUID EQUILIBRIUM ANALYSIS IN PERSPECTIVE II. COMPLETE MODEL OF WATER, NITRIC ACID, AND URANYL NITRATE EXTRACTION BY DI-2-ETHYLHEXYL SULFOXIDE IN DODECANE. <i>Solvent Extraction and Ion Exchange</i> , 2001, 19, 757-790.	2.0	17
107	Binding Cesium Ions with Nucleosides: Templated Self-Assembly of Isoguanosine Pentamers. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1283-1285.	13.8	65
108	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2000, 36, 21-37.	1.6	84

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109	Development of Process Chemistry for the Removal of Cesium from Acidic Nuclear Waste by Calix[4]arene-crown-6 Ethers. ACS Symposium Series, 2000, , 26-44.	0.5	32
110	Benzyl Phenol Derivatives: Extraction Properties of Calixarene Fragments. ACS Symposium Series, 2000, , 86-106.	0.5	4
111	Development of Novel Bifunctional Anion-Exchange Resins with Improved Selectivity for Per technetate Sorption from Contaminated Groundwater. Environmental Science & Technology, 2000, 34, 1075-1080.	10.0	125
112	A ROBUST ALKALINE-SIDE CSEX SOLVENT SUITABLE FOR REMOVING CESIUM FROM SAVANNAH RIVER HIGH LEVEL WASTE#. Solvent Extraction and Ion Exchange, 2000, 18, 1079-1107.	2.0	109
113	The Design of Selective Resins for the Removal of Per technetate and Perchlorate from Groundwater. , 2000, , 155-164.		12
114	Use of Cage-Functionalized Macrocycles and Fluorinated Alcohols in the Liquid-Liquid Extraction of NaOH and Other Sodium Salts. ACS Symposium Series, 2000, , 114-132.	0.5	10
115	Novel dual-host approach in ion pair extraction: a simple tripodal nitrate host facilitates CsNO <sub>3</sub> transfer to 1,2-dichloroethane by a large crown ether. Chemical Communications, 2000, , 187-188.	4.1	38
116	Enhancement of CsNO <sub>3</sub> Extraction in 1,2-Dichloroethane by Tris(2-aminoethyl)amine Triamide Derivatives via a Dual-Host Strategy. Analytical Chemistry, 2000, 72, 5258-5264.	6.5	64
117	Development of Bifunctional Anion-Exchange Resins with Improved Selectivity and Sorptive Kinetics for Per technetate: A Batch-Equilibrium Experiments. Environmental Science & Technology, 2000, 34, 3761-3766.	10.0	122
118	FUNDAMENTAL INVESTIGATIONS OF SEPARATIONS SCIENCE FOR RADIOACTIVE MATERIALS. Solvent Extraction and Ion Exchange, 2000, 18, 605-631.	2.0	57
119	Prediction of the carrier-mediated cation flux through polymer inclusion membranes via fundamental thermodynamic quantities: complexation study of bis(dodecyloxy)calix[4]arene-crown-6 with alkali metal cations. Physical Chemistry Chemical Physics, 2000, 2, 1481-1491.	2.8	30
120	A Surprising Host-Guest Relationship between 1,2-Dichloroethane and the Cesium Complex of Tetrabenzo-24-crown-8. Journal of the American Chemical Society, 2000, 122, 554-562.	13.7	60
121	SURVEYING THE EXTRACTION OF CESIUM NITRATE BY 1,3-ALTERNATE CALIX[4]ARENE CROWN-6 ETHERS IN 1,2-DICHLOROETHANE. Solvent Extraction and Ion Exchange, 1999, 17, 1445-1459.	2.0	88
122	1,2-Bis[2-(pyridin-2-yloxy)ethoxy]benzene. Acta Crystallographica Section C: Crystal Structure Communications, 1999, 55, 618-620.	0.4	0
123	Cesium Recognition by Supramolecular Assemblies of 2-Benzylphenol and 2-Benzylphenolate. Structural Chemistry, 1999, 10, 187-203.	2.0	20
124	Dideoxygenated calix[4]arene crown-6 ethers enhanced selectivity for caesium over potassium and rubidium. Chemical Communications, 1999, , 1751-1752.	4.1	43
125	DEVELOPING AND TESTING AN ALKALINE-SIDE SOLVENT EXTRACTION PROCESS FOR TECHNETIUM SEPARATION FROM TANK WASTE. Separation Science and Technology, 1999, 34, 1043-1068.	2.5	20
126	Ligand Design for Small Cations: The Li <sup>+</sup> /14-Crown-4 System. ACS Symposium Series, 1999, , 114-132.	0.5	16



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127	COMPARISON OF THE LIPOPHILIC REDOX-RECYCLABLE EXTRACTANT [Fe( $\text{C}_{5}\text{H}_3(\text{C}_7\text{H}_{15})_2$ ) $_2$ ] WITH [N( $\text{C}_7\text{H}_{15}$ ) $_4$ ][NO $_3$ ] FOR LIQUID-LIQUID ANION-EXCHANGE OF AQUEOUS $\text{TcO}_4^-$ . Solvent Extraction and Ion Exchange, 1999, 17, 553-584.	2.0	5
128	Rapid and selective redox-recyclable anion-exchange materials containing polyalkylated ferricenium anion-exchange sites. Inorganic Chemistry Communication, 1998, 1, 435-438.	3.9	8
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