

Reed M Izatt

List of Publications by Year in descending order

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251
papers

15,366
citations

44444

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23173

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330
docs citations

330
times ranked

8176
citing authors

#	ARTICLE	IF	CITATIONS
1	Charles J. Pedersen's legacy to chemistry. <i>Chemical Society Reviews</i> , 2017, 46, 2380-2384.	18.7	13
2	Industrial applications of molecular recognition technology to separations of platinum group metals and selective removal of metal impurities from process streams. <i>Green Chemistry</i> , 2015, 17, 2236-2245.	4.6	84
3	Challenges to achievement of metal sustainability in our high-tech society. <i>Chemical Society Reviews</i> , 2014, 43, 2451-2475.	18.7	208
4	Charles J. Pedersen: Innovator in macrocyclic chemistry and co-recipient of the 1987 Nobel Prize in chemistry. <i>Chemical Society Reviews</i> , 2007, 36, 143-147.	18.7	26
5	Improved Thermodynamic Model for Aqueous NaCl Solutions from 350 to 400 Å°C. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 2929-2939.	1.8	12
6	Origins of "on/off" Fluorescent Behavior of 8-Hydroxyquinoline Containing Chemosensors.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
7	Efficient Immobilization of a Cadmium Chemosensor in a Thin Film: % Generation of a Cadmium Sensor Prototype. <i>Organic Letters</i> , 2005, 7, 1105-1108.	2.4	120
8	Contributions of the International Symposium on Macrocyclic Chemistry to the Development of Macrocyclic Chemistry. , 2005, , 1-14.		1
9	Origins of "on/off" fluorescent behavior of 8-hydroxyquinoline containing chemosensors. <i>Tetrahedron</i> , 2004, 60, 11139-11144.	1.0	90
10	A Model Incorporating Ion Dissociation, Solute Concentration, and Solution Density Effects To Describe the Thermodynamics of Aqueous Sodium Chloride Solutions in the Critical Region of Water. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 7635-7646.	1.8	8
11	Synthesis of <i>trans</i>-disubstituted cyclam ligands appended with two 6-hydroxymethylpyridin-2-ylmethyl sidearms: Crystal structures of the 1,8-dimethyl-(6-hydroxymethylpyridin-2-ylmethyl)cyclam ligand and its Co(II) and Ni(II) complexes. <i>Journal of Heterocyclic Chemistry</i> , 2003, 40, 383-387.	1.4	4
12	Syntheses of diazadithiacrown ethers containing appended coumarin or 1-aminonaphthalene sidearms. <i>Journal of Heterocyclic Chemistry</i> , 2003, 40, 475-479.	1.4	6
13	Synthesis of New Crown Ethers Containing Appended Pyridine, 10-hydroxybenzoquinoline, 8-hydroxyquinoline and 2-amino-1-hydroxybiphenyl Sidearms. <i>Supramolecular Chemistry</i> , 2002, 14, 263-269.	1.5	5
14	The synthesis of azacrown ethers with quinoline-based sidearms as potential zinc(II) fluorophores. <i>Tetrahedron</i> , 2002, 58, 4809-4815.	1.0	46
15	A New Model Incorporating Ion Dissociation for Sodium Chloride Solutions near the Critical Point of Water. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 2176-2182.	1.8	13
16	Synthesis of Diazadi(and tri)thiacrown Ethers Containing Two 5-Substituent(or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td,(2-methyl)		1.5
17	Bis-8-hydroxyquinoline-Armed Diazatrithia-15-crown-5 and Diazatrithia-16-crown-5 Ligands: % Possible Fluorophoric Metal Ion Sensors. <i>Journal of Organic Chemistry</i> , 2001, 66, 4752-4758.	1.7	77
18	Highly selective copper(II) ion receptors: tetraazacrown ethers bearing two 8-hydroxyquinoline side arms. <i>Inorganica Chimica Acta</i> , 2001, 317, 174-180.	1.2	20

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19	A new flow calorimeter using a eutectic molten salt as the temperature control medium. <i>Thermochimica Acta</i> , 2001, 373, 13-22.	1.2	9
20	Convenient syntheses and preliminary photophysical properties of novel 8-aminoquinoline appended diaza-18-crown-6 ligands. <i>Tetrahedron</i> , 2001, 57, 7623-7628.	1.0	35
21	Characterization of 5-chloro-8-methoxyquinoline appended diaza-18-crown-6 as a chemosensor for cadmium. <i>Tetrahedron Letters</i> , 2001, 42, 2941-2944.	0.7	113
22	Characterization of bis-8-hydroxyquinoline-Armed diazatrithia-16-crown-5 and diazadibenzo-18-crown-6 ligands as fluorescent chemosensors for zinc. <i>Journal of Supramolecular Chemistry</i> , 2001, 1, 221-227.	0.4	10
23	A new diaza-18-crown-6 ligand containing two quinolin-8-ylmethyl side arms: Crystal structures and characterization of the ligand, the protonated ligand and its mononuclear barium(II) and dinuclear copper(II) complexes. <i>Journal of Heterocyclic Chemistry</i> , 2001, 38, 1-9.	1.4	14
24	One-step syntheses of macrocyclic compounds: A short review. <i>Journal of Heterocyclic Chemistry</i> , 2001, 38, 1239-1248.	1.4	19
25	Synthesis of new proton-ionizable crown ether compounds containing substituted 4-pyridinone subcyclic units. <i>Journal of Heterocyclic Chemistry</i> , 2001, 38, 1259-1264.	1.4	8
26	Complexing properties of 3,5-disubstituted-4-hydroxybenzyl armed monoaza-12-crown-4 and armed monoaza-15-crown-5 ethers and crystal structures of the alkali metal ion complexes. <i>Journal of Heterocyclic Chemistry</i> , 2001, 38, 1329-1340.	1.4	5
27	New diaza (and tri)thia-21-crown-7 ethers containing 8-hydroxyquinoline side arms. <i>Journal of Heterocyclic Chemistry</i> , 2001, 38, 1369-1376.	1.4	12
28	Synthesis of diazadibenzo-18-crown-6 ligands with appended chromophoric and fluorophoric groups as potential metal ion chemosensors. <i>Journal of Heterocyclic Chemistry</i> , 2001, 38, 1453-1457.	1.4	18
29	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2001, 41, 123-127.	1.6	24
30	Title is missing!. <i>Journal of Solution Chemistry</i> , 2001, 30, 31-53.	0.6	12
31	A convenient synthesis and preliminary photophysical study of novel fluoroionophores: macrocyclic polyamines containing two dansylamidoethyl side arms. <i>Tetrahedron</i> , 2001, 57, 87-91.	1.0	24
32	Synthesis of two 1,3,4-calix[4]bis-crown ethers containing two 1,2-phenylene and one pyridine or anisole units in each crown ether moiety. <i>Journal of Heterocyclic Chemistry</i> , 2000, 37, 1-3.	1.4	6
33	Syntheses, crystal structures, and metal ion complexation studies of novel diaza-18-crown-6 ligands containing aromatic thiol-derived side arms. <i>Journal of Heterocyclic Chemistry</i> , 2000, 37, 711-718.	1.4	5
34	A new rigid benzene-bridged macrotricyclic ligand. <i>Journal of Heterocyclic Chemistry</i> , 2000, 37, 719-723.	1.4	3
35	The Design of Ion Selective Macrocycles and the Solid-Phase Extraction of Ions Using Molecular Recognition Technology: A Synopsis. <i>Supramolecular Chemistry</i> , 2000, 12, 23-26.	1.5	17
36	A Highly Selective Compound for Lead: Complexation Studies of Decamethylcucurbit[5]uril with Metal Ions. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 3516-3520.	1.8	76

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37	An Effective Fluorescent Chemosensor for Mercury Ions. <i>Journal of the American Chemical Society</i> , 2000, 122, 6769-6770.	6.6	302
38	Enthalpies of Dilution of NaOH, KOH, and HCl and Thermodynamic Quantities for the Formation of These Species from Their Constituent Ions in Aqueous Solution from 300 to 370 Å°C. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 3508-3515.	1.8	11
39	Synthesis of Armed and Double-Armed Macrocyclic Ligands by the Mannich Reaction: A Short Review. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 3465-3470.	1.8	24
40	Preparation of a New Chiral Pyridino-Crown Ether-Based Stationary Phase for Enantioseparation of Racemic Primary Organic Ammonium Salts. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 3576-3581.	1.8	26
41	Functionalized macrocyclic ligands as sensory molecules for metal ions. <i>Advances in Supramolecular Chemistry</i> , 2000, , 99-137.	1.8	7
42	Metal-Ion Separations Using SuperLig or AnaLig Materials Encased in Empore Cartridges and Disks. <i>ACS Symposium Series</i> , 1999, , 251-259.	0.5	14
43	Synthesis of novel acridino- and phenazino-18-crown-6 ligands and their optically pure dimethyl-substituted analogues for molecular recognition studies. <i>Tetrahedron</i> , 1999, 55, 1491-1504.	1.0	41
44	Syntheses and aggregate study of bisphenol-containing diaza-18-crown-6 ligands. <i>Tetrahedron</i> , 1999, 55, 9737-9742.	1.0	19
45	Analysis of enantiomeric excess using mass spectrometry: fast atom bombardment/sector and electrospray ionization/Fourier transform mass spectrometric approaches. <i>International Journal of Mass Spectrometry</i> , 1999, 185-187, 977-988.	0.7	43
46	Enantioseparation of racemic organic ammonium perchlorates by a silica gel bound optically active di-tert-butylpyridino-18-crown-6 ligand. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 2087-2099.	1.8	33
47	Crystal Structures of Cs ⁺ -Crown Ether Complexes Containing Polynuclear Mercury Iodide Anions. <i>Structural Chemistry</i> , 1999, 10, 177-185.	1.0	3
48	Synthesis of chiral azamacrocycles using the bis(1- α -chloroacetamide)s derived from chiral 1,2-diphenylethylenediamine. <i>Journal of Heterocyclic Chemistry</i> , 1999, 36, 347-354.	1.4	12
49	Syntheses of diaza-18-crown-6 ligands containing two units each of 4-hydroxyazobenzene, benzimidazole, uracil, anthraquinone, or ferrocene groups. <i>Journal of Heterocyclic Chemistry</i> , 1999, 36, 771-775.	1.4	14
50	Syntheses and Metal Ion Complexation of Novel 8-Hydroxyquinoline-Containing Diaza-18-Crown-6 Ligands and Analogues. <i>Journal of Organic Chemistry</i> , 1999, 64, 8855-8861.	1.7	68
51	Diaza-18-Crown-6 Ligands Containing Two Aminophenol Side Arms: A New Heterobinuclear Metal Ion Receptors. <i>Journal of Organic Chemistry</i> , 1999, 64, 3825-3829.	1.7	21
52	New Tetraazacrown Ethers Containing Two Pyridine, Quinoline, 8-Hydroxyquinoline, or 8-Aminoquinoline Sidearms. <i>Journal of Organic Chemistry</i> , 1999, 64, 3162-3170.	1.7	47
53	Synthesis of Novel Azamacrocyclic Metal Ion Receptors Using a Modified Mannich Aminomethylation Reaction. <i>ACS Symposium Series</i> , 1999, , 133-144.	0.5	5
54	Approaches to improvement of metal ion selectivity by cryptands. <i>Coordination Chemistry Reviews</i> , 1998, 174, 179-189.	9.5	59

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55	Enthalpies of Dilution of Aqueous Solutions of NaOH, KOH, and CsOH at 300, 325, and 350Å°C. Journal of Solution Chemistry, 1998, 27, 183-194.	0.6	2
56	Synthesis and Complexation Properties of Pyrimidineâ€Derived Crown Ether Ligands. Journal of Heterocyclic Chemistry, 1998, 35, 1-8.	1.4	21
57	A fluorescent sensor for magnesium ions. Tetrahedron Letters, 1998, 39, 5451-5454.	0.7	88
58	Synthesis of Proton-Ionizable-p-Nitrophenol-Containing Tetraazacrown and Diazadithiacrown Ethers from an Aromatic Building Block Prepared via the Einhorn Reaction. Journal of Organic Chemistry, 1998, 63, 4786-4791.	1.7	13
59	Enantiomer-Selectivity of Ion-selective Electrodes Based on a Chiral Crown-ether Ionophore. Analytical Letters, 1997, 30, 1591-1609.	1.0	50
60	Thermodynamic, Spectroscopic, and Structural Studies of Complexation of Phenol- and Pyridine-Armed Macrocyclic Ligands with Univalent Metal Ions. Inorganic Chemistry, 1997, 36, 2586-2593.	1.9	14
61	Intrinsic Contributions to Chiral Recognition:Â Discrimination Between Enantiomeric Amines by Dimethyldiketopyridino-18-crown-6 in the Gas Phase. Journal of the American Chemical Society, 1997, 119, 353-359.	6.6	91
62	Organization of Chiral Pyridine-Containing Bisbipyridino Podands by Cu(I) and Their Enantiomeric Recognition of (R)- and (S)-1±-Phenylethylammonium Perchlorates. Journal of the American Chemical Society, 1997, 119, 7145-7146.	6.6	25
63	Crown Ethers:â€% The Search for Selective Ion Ligating Agents. Accounts of Chemical Research, 1997, 30, 338-345.	7.6	359
64	Enantiomeric Recognition of Amine Compounds by Chiral Macrocyclic Receptors. Chemical Reviews, 1997, 97, 3313-3362.	23.0	484
65	Unusual monosubstitution-monodechlorination product in the reaction of 1,8-dichloroanthraquinone with (S)-(â€)-2-(tetrahydropyranloxy)-1-propanol. Tetrahedron, 1997, 53, 4179-4184.	1.0	3
66	Enthalpies of Dilution of Aqueous Solutions of LiCl, KCl, and CsCl at 300, 325, and 350Å°C. Journal of Solution Chemistry, 1997, 26, 47-61.	0.6	3
67	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1997, 29, 197-220.	1.6	48
68	Complexation of Metal Ions with Azacrown Ethers Bearing an 8-Hydroxyquinoline Side Arm. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1997, 29, 259-268.	1.6	6
69	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1997, 29, 301-308.	1.6	8
70	Enthalpies of dilution of aqueous solution of LiCl, KCl, and CsCl at 300, 325, and 350Å°C. Journal of Solution Chemistry, 1997, 26, 47-61.	0.6	2
71	Azacrown ethers containing oximic and Schiff base sidearms - potential heteronuclear metal ion receptors. Tetrahedron, 1997, 53, 17595-17606.	1.0	25
72	Enantiomeric recognition of aralkyl ammonium salts by chiral pyridino-18-crown-6 ligands: Use of circular dichroism spectroscopy. Chirality, 1997, 9, 545-549.	1.3	16

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73	A thermodynamic study of complexation of alkali and alkaline-earth metal ions with low-symmetry cryptands. <i>Inorganica Chimica Acta</i> , 1997, 254, 43-47.	1.2	12
74	Chiral Pyridine-Based Macrobicyclic Clefs: Synthesis and Enantiomeric Recognition of Ammonium Salts. <i>Journal of Organic Chemistry</i> , 1996, 61, 7270-7275.	1.7	25
75	New Pyridino-18-crown-6 Ligands Containing Two Methyl, Two tert-Butyl, or Two Allyl Substituents on Chiral Positions Next to the Pyridine Ring. <i>Journal of Organic Chemistry</i> , 1996, 61, 8391-8396.	1.7	37
76	Characterization of Chiral Host-Guest Complexation in Fast Atom Bombardment Mass Spectrometry. <i>Analytical Chemistry</i> , 1996, 68, 792-795.	3.2	56
77	Synthesis and Properties of 5-Chloro-8-hydroxyquinoline-Substituted Azacrown Ethers: A New Family of Highly Metal Ion-Selective Lariat Ethers. <i>Inorganic Chemistry</i> , 1996, 35, 7229-7240.	1.9	95
78	Various aspects of enantiomeric recognition of (<i>S,S</i>)-dimethylpyridino-18-crown-6 by several organic ammonium salts. <i>Supramolecular Chemistry</i> , 1996, 6, 251-255.	1.5	10
79	Mannich Reaction as a Key Strategy for the Synthesis of Benzoazacrown Ethers and Benzocryptands. <i>Journal of Organic Chemistry</i> , 1996, 61, 6888-6892.	1.7	19
80	¹ H NMR Study of Protonation and Mg(II) Coordination of AMP, ADP, and ATP at 25, 50, and 70 °C. <i>The Journal of Physical Chemistry</i> , 1996, 100, 9556-9560.	2.9	41
81	A new flow calorimeter designed for operation to 450 °C and 50 MPa. <i>Thermochimica Acta</i> , 1996, 285, 11-23.	1.2	16
82	Thermodynamics of protonation of amino acid carboxylate groups from 50 to 125 °C. <i>Journal of Solution Chemistry</i> , 1996, 25, 243-266.	0.6	26
83	Thermodynamic and NMR studies of solvent effect on enantiomeric recognition for chiral organic ammonium guests by chiral diketopyridino-18-crown-6 type ligands at 25.0 °C. <i>Supramolecular Chemistry</i> , 1996, 6, 267-274.	1.5	8
84	The Design of Metal Ion Selectivity Into Ligands and Some Practical Applications. , 1996, , 413-431.		1
85	Ten-membered Rings or Larger with One or More Oxygen and Sulfur Atoms. , 1996, , 893-923.		0
86	The history of the calorimetry conference: 1946-1995. <i>Journal of Chemical Thermodynamics</i> , 1995, 27, 449-464.	1.0	8
87	Excess enthalpies of (toluene+methanol or heptane or methylcyclohexane) and of (heptane+methylcyclohexane) at the temperatures 255.4 K and 310.9 K and the pressure 13.8 MPa. <i>Journal of Chemical Thermodynamics</i> , 1995, 27, 1133-1139.	1.0	14
88	Thermodynamic quantities for the protonation of amino acid amino groups from 323.15 to 398.15 K. <i>Journal of Solution Chemistry</i> , 1995, 24, 1219-1247.	0.6	29
89	Thermodynamics of protonation of AMP, ADP, and ATP from 50 to 125 °C. <i>Journal of Solution Chemistry</i> , 1995, 24, 171-200.	0.6	16
90	Thermodynamic parameters for the interaction of adenosine 5'-diphosphate, and adenosine 5'-triphosphate with Mg ²⁺ from 323.15 to 398.15 K. <i>Journal of Solution Chemistry</i> , 1995, 24, 989-1012.	0.6	17

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91	New 2-methylenepropylene-bridged cryptands with high sodium ion selectivity: A thermodynamic study of complexation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1995, 23, 223-231.	1.6	7
92	An improved one-step method to prepare some diaza-crown ethers and the cation complexation properties of 4,10-diaza-18-crown-6 with two transition metal ions. <i>Journal of Heterocyclic Chemistry</i> , 1995, 32, 179-181.	1.4	10
93	An unusual structure of the hydrated sodium chloride complex of cryptand [2.2.2]. <i>Journal of Heterocyclic Chemistry</i> , 1995, 32, 1201-1204.	1.4	13
94	Thermodynamic and Kinetic Data for Macrocycle Interaction with Cations, Anions, and Neutral Molecules. <i>Chemical Reviews</i> , 1995, 95, 2529-2586.	23.0	859
95	Alkoxy-methyl-Substituted 18-Crown-6 and 21-Crown-7 Ligands: Synthesis, Complexation Properties, and Metal Ion Membrane Separations. <i>Separation Science and Technology</i> , 1995, 30, 1589-1607.	1.3	5
96	Thermodynamics of the interaction of 18-crown-6 with K ⁺ , Ti ⁺ , Ba ²⁺ , Sr ²⁺ and Pb ²⁺ from 323.15 to 398.15 K. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 4207.	1.7	11
97	Thermodynamics of the complexation of cerium-, europium- and erbium-(III) with 1,4,10-trioxa-7,13-diazapentadecane-N,N ² -diacetic acid and 1,4,10,13-tetraoxa-7,16-diazaoxa-cyclooctadecane-N,N ² -diacetic acid. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, 1583-1585.	1.1	5
98	Enantiomeric recognition by chiral pyridino-18-crown-6 for 1-naphthylethylamine. The effect of alkyl substituents on the macrocycle ring. <i>Supramolecular Chemistry</i> , 1995, 5, 9-13.	1.5	10
99	Synthesis of New Pyridinoazacrown Ethers Containing Aromatic and Heteroaromatic Proton Ionizable Substituents. <i>Journal of Organic Chemistry</i> , 1995, 60, 6097-6102.	1.7	45
100	A New Highly Selective Macrocycle for K ⁺ and Ba ²⁺ : Effect of Formation of a Pseudo Second Macroring through Complexation. <i>Journal of the American Chemical Society</i> , 1995, 117, 11507-11511.	6.6	83
101	The effect of temperature and pressure on the protonation of phosphate ions at 348.15 and 398.15 K, and at 1.52 and 12.50 MPa. <i>Journal of Solution Chemistry</i> , 1994, 23, 449-468.	0.6	18
102	Determination of enthalpy of ionization of water from 250 to 350 $\frac{1}{2}$ C. <i>Journal of Solution Chemistry</i> , 1994, 23, 747-768.	0.6	31
103	A thermodynamic study of enantiomeric recognition of organic ammonium cations by pyridino-18-crown-6 type ligands in methanol and a 1:1 methanol-1,2-dichloroethane mixture at 25.0 $\frac{1}{2}$ C. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1994, 18, 353-367.	1.6	13
104	Molecular recognition as shown by the solvent extraction of (R)- and (S)-[1-(1-naphthyl)ethyl] ammonium picrate or orange 2 by chiral pyridino-crown ethers. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1994, 20, 13-22.	1.6	14
105	Factors influencing enantiomeric recognition of primary alkylammonium salts by pyridino-18-crown-6 type ligands. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1994, 17, 157-175.	1.6	84
106	Recognition by a new chiral dimethyl-substituted phenanthroline-18-crown-6 diester ligand of the enantiomers of various organic ammonium perchlorates. <i>Journal of Heterocyclic Chemistry</i> , 1994, 31, 1-10.	1.4	25
107	New pyrimidino-crown ether ligands. <i>Journal of Heterocyclic Chemistry</i> , 1994, 31, 1047-1052.	1.4	21
108	Applications of NMR spectral techniques for the study of macrocycle host-guest interactions. A short review. <i>Journal of Heterocyclic Chemistry</i> , 1994, 31, 1097-1114.	1.4	49

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109	Thermodynamic Data for Ligand Interaction with Protons and Metal Ions in Aqueous Solutions at High Temperatures. <i>Chemical Reviews</i> , 1994, 94, 467-517.	23.0	60
110	New Cryptaspherands and Their Complexation Properties with the Alkali Metal Ions. <i>Journal of Organic Chemistry</i> , 1994, 59, 4082-4086.	1.7	13
111	Thermodynamics of Macrocyclic Complexation Chemistry. Interactions of Metal Ions with Double-Armed N-Pivot Lariat Ethers in Methanol and Methanol-Water Solutions at 25.0 °C. <i>Inorganic Chemistry</i> , 1994, 33, 1007-1010.	1.9	24
112	The synthesis of bis(benzo-15-crown-5) derivatives and their use in potassium-PVC membrane electrodes. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1993, 15, 317-327.	1.6	7
113	A structural analysis of the complexes of (S, S)-dimethylpyridino-18-crown-6 with (R) and (S)-[1-(1-naphthyl)ethyl]ammonium perchlorate by NMR techniques and molecular modeling. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1993, 16, 113-122.	1.6	15
114	Enantiomeric recognition and separation of chiral organic ammonium salts by chiral pyridino-18-crown-6 ligands. <i>Supramolecular Chemistry</i> , 1993, 1, 267-275.	1.5	38
115	Chiral host-guest recognition in an ion-molecule reaction. <i>Journal of the American Chemical Society</i> , 1993, 115, 4318-4320.	6.6	95
116	Cation Separations Using A Proton-Ionizable Macrocyclic in a Dual Module Hollow Fiber Membrane System. <i>Separation Science and Technology</i> , 1993, 28, 383-395.	1.3	15
117	Improved Methods for the Synthesis of Aza-Crown Macrocyclics and Cryptands. <i>Synlett</i> , 1993, 1993, 611-620.	1.0	44
118	Enantiomeric Recognition of Organic Ammonium Salts by Chiral Pyridino-18-Crown-6 Ligands: A Short Review. <i>Journal of Coordination Chemistry</i> , 1992, 27, 105-114.	0.8	22
119	New symmetrical chiral dibenzyl- and diphenyl-substituted diamido-, dithionoamido-, diaza-, and azapyridino-18-crown-6 ligands. <i>Journal of Organic Chemistry</i> , 1992, 57, 5383-5394.	1.7	82
120	Preparation and cation complexing properties of some macropolycyclic ligands. <i>Journal of Organic Chemistry</i> , 1992, 57, 3166-3173.	1.7	28
121	Synthesis and complexation properties of new unsymmetrical cryptands. <i>Journal of Organic Chemistry</i> , 1992, 57, 6112-6118.	1.7	19
122	Structure and conformation of pyridino- and diesterpyridino-18-crown-6 complexes with primary ammonium salts in solution and crystalline states. <i>Journal of Physical Organic Chemistry</i> , 1992, 5, 656-662.	0.9	28
123	Preparation of diamino ethers and polyamines. <i>Tetrahedron</i> , 1992, 48, 4475-4515.	1.0	126
124	A novel two-step method to prepare new unsymmetrical cryptands. <i>Tetrahedron Letters</i> , 1992, 33, 4871-4874.	0.7	17
125	Second International Symposium on Chemistry in High Temperature Aqueous Solutions. <i>Journal of Solution Chemistry</i> , 1992, 21, 711-711.	0.6	0
126	Thermodynamic quantities for the interaction of Cl ⁻ with Mg ²⁺ , Ca ²⁺ and H ⁺ in aqueous solution from 25 to 325 °C. <i>Journal of Solution Chemistry</i> , 1992, 21, 761-788.	0.6	25

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127	Thermodynamic quantities for the ionization of nitric acid in aqueous solution from 250 to 319½C. Journal of Solution Chemistry, 1992, 21, 789-801.	0.6	23
128	Enthalpy of dissociation of water at 325½C and LogK, ?H, ?S, and ?C p values for the formation of NaOH(aq) from 250 to 325½C. Journal of Solution Chemistry, 1992, 21, 803-824.	0.6	23
129	Calorimetric determination of thermodynamic quantities for chemical reactions in the system CO2?NaOH?H2O from 225 to 325½C. Journal of Solution Chemistry, 1992, 21, 825-848.	0.6	19
130	Structure and thermodynamic aspects of macrobicyclic polyether-metal ion interactions. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1992, 12, 333-339.	1.6	1
131	A new synthetic route to polyazaâ€crown macrocycles through the per(â€formyl)polyazaâ€crowns. Journal of Heterocyclic Chemistry, 1992, 29, 1429-1432.	1.4	3
132	Titanium tetrachloride-supercritical carbon dioxide interaction: A solvent extraction and thermodynamic study. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1992, 23, 65-72.	0.5	11
133	Recognition by new symmetrically substituted chiral diphenyl- and di-tert-butylpyridino-18-crown-6 and asymmetrically substituted chiral dimethylpyridino-18-crown-6 ligands of the enantiomers of various organic ammonium perchlorates. Journal of Organic Chemistry, 1991, 56, 3330-3336.	1.7	90
134	Preparation and structural properties of large-cavity peraza macrocycles containing pyridine, phenanthroline, or piperazine subcyclic units. Journal of Organic Chemistry, 1991, 56, 2675-2680.	1.7	37
135	An isothermal flow calorimeter for high-temperature basic solutions. Thermochemica Acta, 1991, 185, 51-61.	1.2	17
136	Thermodynamic and kinetic data for macrocycle interactions with cations and anions. Chemical Reviews, 1991, 91, 1721-2085.	23.0	1,892
137	A new method to extend dimercaptan or diamine chains with aminopropyl units using 3-bromo-N-tritylpropanamine. Tetrahedron Letters, 1991, 32, 21-22.	0.7	5
138	The synthesis of bis(benzo-crown ether)s and their incorporation into potassium-selective PVC membrane electrodes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1991, 11, 303-311.	1.6	11
139	A Novel, Highly Selective Anion-Exchange Column Prepared by Binding Pd2+ to an Immobilized Ligand. Separation Science and Technology, 1991, 26, 761-772.	1.3	3
140	Synthesis of macrobicyclic polyethers with nitrogen atom bridgeheads. Tetrahedron, 1990, 46, 6985-6994.	1.0	10
141	Functionalized diâ€and tetrathiaâ€crowns and their use to quantitatively separate and recover gold(III), palladium(II), silver(I) and mercury(II) ions. Journal of Heterocyclic Chemistry, 1990, 27, 347-349.	1.4	28
142	Oneâ€step methods to prepare cryptands and crowns containing reactive functional groups. Journal of Heterocyclic Chemistry, 1990, 27, 1011-1014.	1.4	21
143	Protonâ€ionizable crown compounds. 19. The synthesis of chiral dialkylâ€substituted triazoloâ€18â€crownâ€6 macrocycles. Journal of Heterocyclic Chemistry, 1990, 27, 1477-1479.	1.4	10
144	Preparation of a variety of macrocyclic Diâ€and tetraamides and their perazaâ€crown analogs using the crabâ€like cyclization reaction. Journal of Heterocyclic Chemistry, 1990, 27, 1585-1589.	1.4	30

#	ARTICLE	IF	CITATIONS
145	Preparation of macrocyclic diâ€and tetraamides containing unsubstituted macroring nitrogen atoms, tertiary amine sidearms and/or piperazine subcyclic units. <i>Journal of Heterocyclic Chemistry</i> , 1990, 27, 2113-2116.	1.4	27
146	Synthesis and structural studies of hydrazino-crown ethers and thermodynamic studies of their interaction with transition, and post-transition metal ions and methyl ammonium ion. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1990, 8, 299-308.	1.6	3
147	Studies on the complexes of 4?-substituted benzo-15-crown-5 ligands with sodium picrate and picric acid. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1990, 9, 267-274.	1.6	9
148	New high yield syntheses of cyclams using the crab-like cyclization reaction. <i>Tetrahedron Letters</i> , 1990, 31, 1077-1080.	0.7	33
149	The synthesis of new diaza-N-pivot lariat 15-crown-5 and 18-crown-6 macrocycles. <i>Tetrahedron</i> , 1990, 46, 1163-1170.	1.0	11
150	Proton-Ionizable Crown Ethers. A Short Review. <i>Heterocycles</i> , 1990, 30, 665.	0.4	46
151	Characterization of a Macrocyclic-Mediated Dual Module Hollow Fiber Membrane Contactor for Making Cation Separations. <i>Separation Science and Technology</i> , 1990, 25, 1407-1419.	1.3	20
152	Preparation of triaza-, tetraaza- and peraza-crown compounds containing aminoalkyl side groups or unsubstituted ring nitrogen atoms. <i>Journal of Organic Chemistry</i> , 1990, 55, 3364-3368.	1.7	53
153	Enantiomeric recognition of organic ammonium salts by chiral dialkyl-, dialkenyl-, and tetramethyl-substituted pyridino-18-crown-6 and tetramethyl-substituted bispyridino-18-crown-6 ligands: comparison of temperature-dependent proton NMR and empirical force field techniques. <i>Journal of Organic Chemistry</i> , 1990, 55, 3129-3137.	1.7	139
154	Macrocyclic-mediated separation of Eu ²⁺ from trivalent lanthanide cations in a modified thin-sheet-supported liquid membrane system. <i>Journal of Membrane Science</i> , 1990, 50, 319-324.	4.1	18
155	NEW NITROGEN-CONTAINING MACROCYCLIC LIGANDS COVALENTLY ATTACHED TO SILICA GEL AND THEIR USE IN SEPARATING METAL CATIONS. <i>Solvent Extraction and Ion Exchange</i> , 1989, 7, 855-864.	0.8	17
156	Preparation of crown compounds containing allyloxymethyl or butenyl groups for attachment to silica gel or containing long chain lipophilic groups for use in liquid membrane systems. <i>Journal of Heterocyclic Chemistry</i> , 1989, 26, 413-419.	1.4	16
157	Synthesis of new alkylâ€alkenyloxyâ€and hydroxyâ€substituted diazaâ€crown compounds. <i>Journal of Heterocyclic Chemistry</i> , 1989, 26, 565-569.	1.4	7
158	New syntheses of perâ€alkylâ€substituted triazaâ€and tetraazaâ€crown compounds containing an allyloxymethyl substituent. <i>Journal of Heterocyclic Chemistry</i> , 1989, 26, 661-665.	1.4	12
159	A simple crabâ€like cyclization procedure to prepare polyazaâ€crowns and cyclams with one or two unsubstituted macroring nitrogen atoms or with a hydroxy group. <i>Journal of Heterocyclic Chemistry</i> , 1989, 26, 1431-1435.	1.4	38
160	Complexation of cryptand-222 and 18-crown-6 with some alkali metal ions in several dioxane-water solvent mixtures. <i>Thermochimica Acta</i> , 1989, 154, 161-166.	1.2	16
161	James J. Christensen 1931?1987. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1989, 7, 125-126.	1.6	0
162	Stable silica gel-bound crown ethers. Selective separation of metal ions and a potential for separations of amine enantiomers. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1989, 7, 127-136.	1.6	29

#	ARTICLE	IF	CITATIONS
163	Proton-ionizable crown compounds. 17. Transport studies of alkali metal ions in a H ₂ O-CH ₂ Cl ₂ -H ₂ O liquid membrane system by macrocycles containing two sulfonamide groups derived from <i>o</i> -and <i>m</i> -phenylene diamine. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1989, 7, 487-499.	1.6	14
164	Proton ionizable crown compounds. 18. Comparison of alkali metal transport in a H ₂ O-CH ₂ Cl ₂ -H ₂ O liquid membrane system by four proton-ionizable macrocycles containing the dialkylhydrogenphosphate moiety. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1989, 7, 501-509.	1.6	16
165	Synthesis of two new crown ethers containing selenium and the complexation of one of them with silver and lead. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1989, 7, 545-548.	1.6	5
166	Solvent extraction studies of new bis-sulfonamide group-containing podands. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1989, 7, 599-611.	1.6	9
167	Convenient syntheses of N-[2-(2-hydroxyethoxy)ethyl]-substituted polyaza-crown ethers and cyclams without the need for a hydroxy blocking group. <i>Tetrahedron Letters</i> , 1989, 30, 803-806.	0.7	32
168	Novel syntheses of monofunctionalized triaza-crowns and cyclams with a secondary amine group on a side chain. <i>Tetrahedron Letters</i> , 1989, 30, 2897-2900.	0.7	25
169	A new building block method to synthesize symmetrical and asymmetrical per-N-alkyl-substituted polyaza-crown compounds. <i>Journal of Organic Chemistry</i> , 1989, 54, 4061-4067.	1.7	17
170	Stable Silica Gel-Bound Crown Ethers. Selective Separation of Metal Ions and a Potential for Separations of Amine Enantiomers. , 1989, , 127-136.		0
171	Sulfonamides as ionophores for ion-selective electrodes. II. Macrocyclic ligands containing two sulfonamide groups as ionophores. <i>Journal of Inclusion Phenomena</i> , 1988, 6, 593-597.	0.6	4
172	Estimation of activity and osmotic coefficients of strong electrolytes in water at elevated temperatures. <i>Journal of Solution Chemistry</i> , 1988, 17, 95-108.	0.6	8
173	Thermodynamic quantities for the interaction of SO ₄ ²⁻ with H ⁺ and Na ⁺ in aqueous solution from 150 to 320 K. <i>Journal of Solution Chemistry</i> , 1988, 17, 841-863.	0.6	58
174	Thermodynamic quantities for the interaction of H ⁺ and Na ⁺ with C ₂ H ₃ O ₂ ⁻ and Cl ⁻ in aqueous solution from 275 to 320 K. <i>Journal of Solution Chemistry</i> , 1988, 17, 865-885.	0.6	39
175	Convenient synthesis of crown ethers containing a hydrazine moiety. <i>Tetrahedron Letters</i> , 1988, 29, 5589-5592.	0.7	18
176	Novel and convenient syntheses of N-alkyl-substituted triaza- and tetraaza-crown compounds. <i>Tetrahedron Letters</i> , 1988, 29, 3521-3524.	0.7	19
177	Synthesis of (allyloxy)methyl-substituted diaza-18-crown-6 compounds for attachment to silica gel. <i>Journal of Organic Chemistry</i> , 1988, 53, 3190-3195.	1.7	45
178	Preparation of silica gel-bound macrocycles and their cation-binding properties. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 812.	2.0	88
179	Removal and separation of metal ions from aqueous solutions using a silica-gel-bonded macrocycle system. <i>Analytical Chemistry</i> , 1988, 60, 1825-1826.	3.2	69
180	Characterization of a supported liquid membrane for macrocycle-mediated selective cation transport. <i>Journal of Membrane Science</i> , 1988, 37, 13-26.	4.1	48

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181	Transport of AgBr_2^+ , PdBr_4^{2-} , and AuBr_4^- in an Emulsion Membrane System Using K^+ -Dicyclohexano-18-crown-6 as Carrier. <i>Separation Science and Technology</i> , 1987, 22, 691-699.	1.3	34
182	Proton-ionizable crown compounds. <i>Journal of Membrane Science</i> , 1987, 31, 1-13.	4.1	50
183	Proton-ionizable crown compounds. 11. Synthesis of macrocyclic ligands containing two sulfonamide groups and chloro substituents or pyridine subcyclic units and a preliminary study of cation transport by three of these ligands. <i>Journal of Inclusion Phenomena</i> , 1987, 5, 729-738.	0.6	15
184	Proton-ionizable crown compounds. 12. Proton-Coupled selective membrane transport of Li^+ using a proton-ionizable pyridono macrocycle. <i>Journal of Inclusion Phenomena</i> , 1987, 5, 739-745.	0.6	17
185	Correlation and prediction of ternary excess enthalpy data. <i>Journal of Solution Chemistry</i> , 1987, 16, 503-527.	0.6	63
186	Heats of mixing in the critical region. <i>Fluid Phase Equilibria</i> , 1987, 38, 163-193.	1.4	21
187	Proton-ionizable crown compounds. 9 . Synthesis and structural studies of new 14-crown-4 compounds containing a pyridine or 4-pyridone subcyclic unit. <i>Journal of Heterocyclic Chemistry</i> , 1987, 24, 415-419.	1.4	13
188	Proton-ionizable crown compounds. 10 . Preparation and structural studies of macrocyclic ligands containing two sulfonamide units and with seventeen to twenty-six ring members. <i>Journal of Heterocyclic Chemistry</i> , 1987, 24, 1077-1083.	1.4	30
189	Proton-ionizable crown compounds. 13 . Synthesis and structural studies of crown compounds containing the triazole subcyclic unit and lipophilic substituents. <i>Journal of Heterocyclic Chemistry</i> , 1987, 24, 1085-1092.	1.4	39
190	Macrocyclic-mediated cation transport from binary Hg_2^{2+} - Mn^+ mixtures in a 1 M HNO_3 - CHCl_3 -1 M HNO_3 liquid membrane system. <i>Journal of Membrane Science</i> , 1986, 26, 241-250.	4.1	20
191	The influence of halocarbon solvent on macrocyclic-mediated cation transport through liquid membranes. <i>Journal of Membrane Science</i> , 1986, 28, 69-76.	4.1	33
192	Proton-ionizable crown compounds. 3 . Synthesis and structural studies of macrocyclic polyether ligands containing a 4-pyridone subcyclic unit. <i>Journal of Heterocyclic Chemistry</i> , 1986, 23, 353-360.	1.4	46
193	Proton-ionizable crown compounds. 4 . New macrocyclic polyether ligands containing a triazole subcyclic unit. <i>Journal of Heterocyclic Chemistry</i> , 1986, 23, 361-368.	1.4	57
194	Proton-ionizable crown compounds. 7 . Synthesis of new crown compounds containing the dialkylhydrogenphosphate moiety. <i>Journal of Heterocyclic Chemistry</i> , 1986, 23, 1673-1676.	1.4	24
195	Proton-ionizable crown compounds. 8 . Synthesis and structural studies of macrocyclic polyether ligands containing a 4-thiopyridone subcyclic unit. <i>Journal of Heterocyclic Chemistry</i> , 1986, 23, 1837-1843.	1.4	29
196	Effect of Macrocyclic Type on the Extraction into Toluene of Ag^{+} , Pb^{2+} , and Cd^{2+} Using a Combination of a Macrocyclic and Di(2-ethylhexyl)phosphoric Acid as Extractants. <i>Separation Science and Technology</i> , 1986, 21, 865-872.	1.3	16
197	Proton-ionizable crown compounds. 6 . synthesis and structural studies of new crown compounds containing sulfonamide groups. <i>Journal of Heterocyclic Chemistry</i> , 1986, 23, 1667-1671.	1.4	19
198	Cation Transport at 25°C from Binary Cd^{2+} - Mn^{2+} Mixtures in a H_2O - CHCl_3 - H_2O Liquid Membrane System Containing a Series of Macrocyclic Carriers[1]. <i>Israel Journal of Chemistry</i> , 1985, 25, 27-32.	1.0	15

#	ARTICLE	IF	CITATIONS
199	Structures of the (4S, 14S)-4, 14-dimethyl-3,6,9,12,15-pentaoxa-21-azabicyclo[15.3.1] heneicosa-1(21), 17,19-triene-2,16-dione Complexes of R ⁺ and S ⁻ -(1-Naphthyl)ethylammonium Perchlorate. Israel Journal of Chemistry, 1985, 25, 33-38.		19
200	Thermodynamic and kinetic data for cation-macrocycle interaction. Chemical Reviews, 1985, 85, 271-339.	23.0	1,862
201	Cation transport at 25°C from binary Tl ⁺ -Mn ⁺ and K ⁺ -Mn ⁺ nitrate mixtures in a H ₂ O-CHCl ₃ -H ₂ O liquid membrane system containing a series of macrocyclic polyether carriers. Journal of Membrane Science, 1985, 22, 31-46.	4.1	25
202	Alkali cation transport by proton-ionizable macrocycles in a H ₂ O-CH ₂ Cl ₂ -H ₂ O bulk liquid membrane system. Journal of the Chemical Society Chemical Communications, 1985, , 1676-1677.	2.0	22
203	Transport of AgBr ⁻ in an emulsion liquid membrane using Mn ⁺ -DC18C6 carriers (Mn ⁺ = Li ⁺ , Na ⁺ , K ⁺). Tj ETQq _{1,1} 0.784314 rgBT	4.1	32
204	Proton-ionizable crown compounds. 1. Synthesis, complexation properties, and structural studies of macrocyclic polyether-diester ligands containing a triazole subcyclic unit. Journal of Organic Chemistry, 1985, 50, 3065-3069.	1.7	88
205	New proton-ionizable macrocyclic ligands. Synthesis, basicity, reactions, and structures of two aza crown ethers containing the 4-hydroxypyridine unit. Journal of the Chemical Society Chemical Communications, 1985, , 749.	2.0	44
206	Cation transport from multiple alkali cation mixtures using a liquid membrane system containing a series of calixarene carriers. Journal of the American Chemical Society, 1985, 107, 63-66.	6.6	208
207	CATION SELECTIVITY IN A TOLUENE EMULSION MEMBRANE SYSTEM. Solvent Extraction and Ion Exchange, 1984, 2, 459-477.	0.8	7
208	The preparation of new chiral diphenyl-substituted macrocyclic polyether-diester compounds and their enantiomeric recognition of chiral organic ammonium salts. Journal of Heterocyclic Chemistry, 1984, 21, 897-901.	1.4	27
209	Enantiomeric recognition of organic ammonium salts by chiral crown ethers based on the pyridino-18-crown-6 structure. Journal of Organic Chemistry, 1984, 49, 353-357.	1.7	95
210	The synthesis of macrocyclic polyether-diester ligands containing a long-chain alkoxy substituted pyridine subcyclic unit. Journal of Heterocyclic Chemistry, 1983, 20, 353-357.	1.4	9
211	Preparation of macrocyclic polyether-thiono diester and -thiono tetraester ligands containing either the pyridine subcyclic unit or the oxalyl moiety, their complexes, and their reductive desulfurization to crown ethers. Journal of Organic Chemistry, 1983, 48, 2635-2639.	1.7	42
212	Cation fluxes from binary Ag ⁺ -Mn ⁺ mixtures in a water-trichloromethane-water liquid membrane system containing a series of macrocyclic ligand carriers. Journal of the American Chemical Society, 1983, 105, 1785-1790.	6.6	73
213	Selective M ⁺ -H ⁺ coupled transport of cations through a liquid membrane by macrocyclic calixarene ligands. Journal of the American Chemical Society, 1983, 105, 1782-1785.	6.6	225
214	Solvent Extraction of the Nitrate Salts of K ⁺ , Ag ⁺ , Tl ⁺ and Pb ²⁺ Using Di(2-Ethylhexyl) phosphoric Acid and Dicyclohexano-18-Crown-6 in Toluene. Separation Science and Technology, 1983, 18, 1473-1482.	1.3	23
215	Metal Separations Using Emulsion Liquid Membranes. Separation Science and Technology, 1983, 18, 1113-1129.	1.3	28
216	Thermodynamic origin of the macrocyclic effect in crown ether complexes of sodium(1+), potassium(1+), and barium(2+). Inorganic Chemistry, 1982, 21, 1598-1602.	1.9	70

#	ARTICLE	IF	CITATIONS
217	Preparation of chiral diphenyl substituted polyether-diester compounds. <i>Journal of Organic Chemistry</i> , 1982, 47, 1229-1232.	1.7	18
218	Chiral recognition by the S,S and R,R enantiomers of dimethyldioxypyridino-18-crown-6 as measured by temperature-dependent proton NMR spectroscopy in CD ₂ Cl ₂ , titration calorimetry in methanol at 25.degree., and selective crystallization. <i>Journal of Organic Chemistry</i> , 1982, 47, 3362-3364.	1.7	21
219	Rapid Separation of Tl ⁺ and Pb ²⁺ from Various Binary Cation Mixtures Using Dicyclohexano-18-crown-6 Incorporated into Emulsion Membranes. <i>Separation Science and Technology</i> , 1982, 17, 1351-1360.	1.3	21
220	Synthetic chiral macrocyclic crown ligands: A short review. <i>Journal of Heterocyclic Chemistry</i> , 1982, 19, 3-19.	1.4	75
221	The synthesis of chiral dimethyl substituted macrocyclic polyether-diester ligands. <i>Journal of Heterocyclic Chemistry</i> , 1982, 19, 551-556.	1.4	40
222	Determination of macrocyclic compounds in solution by thermometric titration against metal cations. <i>Analytical Chemistry</i> , 1981, 53, 2127-2130.	3.2	16
223	The influence of macrocyclic ligand structure on carrier-facilitated cation transport rates and selectivities through liquid membranes. <i>Journal of Membrane Science</i> , 1981, 9, 83-107.	4.1	127
224	The crystal structures of 10-oxa-1,4,7-trithiacyclododecane, 7,10,13-trioxo-1,4-dithiacyclopentadecane, 7,10,13,16-tetraoxa-1,4-dithiacyclooctadecane and 4,7,13,16-tetraoxa-1,10-dithiacyclooctadecane. <i>Journal of Heterocyclic Chemistry</i> , 1981, 18, 463-467.	1.1	41
225	Design of Selective Ion Binding Macrocyclic Compounds and Their Biological Applications. , 1979, , 355-400.		2
226	Thermodynamics of formation of 18-crown-6 complexes with arenediazonium and anilinium salts in methanol at 25 °C. <i>Journal of the Chemical Society Chemical Communications</i> , 1978, .	2.0	18
227	Isothermal high pressure flow calorimeter. <i>Review of Scientific Instruments</i> , 1976, 47, 730-734.	0.6	109
228	Determination of the enthalpy of solution of tris-(hydroxymethyl)aminomethane in 0.1 M HCl solution and the enthalpy of neutralization of HClO ₄ with NaOH at low ionic strengths by use of an improved isothermal titration calorimeter. <i>Journal of Chemical Thermodynamics</i> , 1975, 7, 417-422.	1.0	27
229	X-Ray crystal structures of three cyclic thioethers. <i>Journal of the Chemical Society Chemical Communications</i> , 1975, , 84.	2.0	25
230	Crystal structures of two isomers of dicyclohexyl-18-crown-6. <i>Journal of the Chemical Society Chemical Communications</i> , 1975, , 43.	2.0	30
231	The Synthesis and Ion Bindings of Synthetic Multidentate Macrocyclic Compounds. <i>Chemical Reviews</i> , 1974, 74, 351-384.	23.0	741
232	Mixed ligand complexes. Log β_2 , β° , and β° values for the Cu ²⁺ -glycine, -alanine, - β -aminoisobutyric acid, and sarcosine systems. <i>Journal of the Chemical Society Dalton Transactions</i> , 1972, , 1199-1202.	1.1	6
233	X-Ray crystal structure of the barium thiocyanate complex of the cyclic poly-ether dicyclohexyl-18-crown-6 (isomer A). <i>Journal of the Chemical Society Chemical Communications</i> , 1972, , 90.	2.0	26
234	Log K_1 , β° , and β° values for the interaction of glycinate ion with H ⁺ , Mn ²⁺ , Fe ²⁺ , Co ²⁺ , Ni ²⁺ , Cu ²⁺ , Zn ²⁺ , and Cd ²⁺ at 10, 25, and 40 °. <i>Journal of the Chemical Society Dalton Transactions</i> , 1972, , 1152-1157.	1.1	22

#	ARTICLE	IF	CITATIONS
235	Analytical and Measurement Aspects of Thermometric Titrimetry. CRC Critical Reviews in Analytical Chemistry, 1971, 2, 491-557.	2.3	4
236	Calorimetric study of the interaction in aqueous solution of several uni- and bivalent metal ions with the cyclic polyether dicyclohexyl-18-crown-6 at 10,25, and 40.deg.. Journal of the American Chemical Society, 1971, 93, 1619-1623.	6.6	185
237	Sites and thermodynamic quantities associated with proton and metal ion interaction with ribonucleic acid, deoxyribonucleic acid, and their constituent bases, nucleosides, and nucleotides. Chemical Reviews, 1971, 71, 439-481.	23.0	744
238	Thermodynamics of proton ionization in aqueous solution. Part XII. $\hat{\gamma}^{\text{H}}\text{H}^{\circ}$, $\hat{\gamma}^{\text{S}}\text{S}^{\circ}$, and $\hat{\gamma}^{\text{Cp}}\text{Cp}^{\circ}$ values for hydrocyanic acid dissociation at 10, 25, and 40 $\hat{\text{A}}^{\circ}$. The Journal of the Chemical Society A, Inorganic, Physical, 1970, .	0.7	8
239	Half cell potential of the Pd,Pd ₂ +Couple in 3 $\hat{\text{A}}$ -94-molal perchloric acid and the entropy of Pd ₂ +(aq). The Journal of the Chemical Society A, Inorganic, Physical, 1970, .	0.7	2
240	Thermodynamics of proton ionization in dilute aqueous solution. Part XI. pK, $\hat{\gamma}^{\text{H}}\text{H}^{\circ}$, and $\hat{\gamma}^{\text{S}}\text{S}^{\circ}$ values for proton ionization from protonated amines at 25 $\hat{\text{A}}^{\circ}$. The Journal of the Chemical Society A, Inorganic, Physical, 1969, .	0.7	135
241	Calorimetrically determined log K, $\hat{\gamma}^{\text{H}}\text{H}^{\circ}$, and $\hat{\gamma}^{\text{S}}\text{S}^{\circ}$ values for the interaction of sulphate ion with several bi- and ter-valent metal ions. The Journal of the Chemical Society A, Inorganic, Physical, 1969, .	0.7	81
242	Calorimetrically determined log K, $\hat{\gamma}^{\text{H}}\text{H}^{\circ}$, and $\hat{\gamma}^{\text{S}}\text{S}^{\circ}$ values for the interaction of sulphate ion with H+, Na+, and K+ in the presence of tetra-n-alkylammonium ions. The Journal of the Chemical Society A, Inorganic, Physical, 1969, .	0.7	30
243	Calorimetric determination of equilibrium constants and enthalpy changes in solution. The Journal of the Chemical Society A, Inorganic, Physical, 1969, , 861.	0.7	12
244	An Isothermal Titration Calorimeter. Review of Scientific Instruments, 1968, 39, 1356-1359.	0.6	49
245	Thermodynamics of metal cyanide co-ordination. Part VII. Log K, $\hat{\gamma}^{\text{H}}\text{H}^{\circ}$, and $\hat{\gamma}^{\text{S}}\text{S}^{\circ}$ values for the interaction of CN $\hat{\text{A}}^{\ominus}$ with Pd ₂ +. $\hat{\gamma}^{\text{H}}\text{H}^{\circ}$ values for the interaction of Cl $\hat{\text{A}}^{\ominus}$ and Br $\hat{\text{A}}^{\ominus}$ with Pd ₂ +. The Journal of the Chemical Society A, Inorganic, Physical, 1967, .	0.7	15
246	A study of Pd ₂ +(aq) hydrolysis. Hydrolysis constants and the standard potential for the Pd,Pd ₂ + couple. The Journal of the Chemical Society A, Inorganic, Physical, 1967, , 1301.	0.7	48
247	780. Values of log K, $\hat{\gamma}^{\text{H}}\text{H}^{\circ}$, and $\hat{\gamma}^{\text{S}}\text{S}^{\circ}$ at 25 $\hat{\text{A}}^{\circ}$ for stepwise replacement of Cl $\hat{\text{A}}^{\ominus}$ by OH $\hat{\text{A}}^{\ominus}$ in mercuric chloride, HgCl ₂ (aq). Journal of the Chemical Society, 1965, .	0.4	10
248	New Precision Thermometric Titration Calorimeter. Review of Scientific Instruments, 1965, 36, 779-783.	0.6	105
249	A CALORIMETRIC STUDY OF THE HEAT OF IONIZATION OF WATER AT 25 $\hat{\text{A}}^{\circ}$ 1a. The Journal of Physical Chemistry, 1963, 67, 2605-2608.	2.9	117
250	THERMODYNAMICS OF PROTON DISSOCIATION IN DILUTE AQUEOUS SOLUTION. II. HEATS OF PROTON DISSOCIATION FROM RIBONUCLEOTIDES AND RELATED COMPOUNDS DETERMINED BY A THERMOMETRIC TITRATION PROCEDURE 1. The Journal of Physical Chemistry, 1962, 66, 1030-1034.	2.9	49
251	Nonchromatographic Solid-Phase Purification of Enantiomers. , 0, , 203-218.		0