

Allan G Blackman

List of Publications by Year in descending order

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94
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2,472
citations

218677

26
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223800

46
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104
all docs

104
docs citations

104
times ranked

2776
citing authors

#	ARTICLE	IF	CITATIONS
1	Does H_3O^+ Really Act as a Ligand in the Solid State?. <i>Inorganic Chemistry</i> , 2021, 60, 13071-13079.	4.0	1
2	Synthesis, structure and fluxionality of Co(III) complexes containing chelated sulfate. <i>Polyhedron</i> , 2020, 176, 114303.	2.2	0
3	Five-coordinate transition metal complexes and the value of τ_5 : observations and caveats. <i>Dalton Transactions</i> , 2020, 49, 14798-14806.	3.3	59
4	The most boring chemical element. <i>Nature Chemistry</i> , 2019, 11, 751-756.	13.6	2
5	The coordination chemistry of acyclic pentadentate pentaamine ligands. <i>Polyhedron</i> , 2019, 161, 1-33.	2.2	6
6	Metal-coordinated Hydroxide as a Nucleophile: a Brief History. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 616-629.	1.2	9
7	$[Pt(bipy)(ONO)_2]_2$ and $\{[(bipy)Pt(\frac{1}{4}O_2NO)_2Pt(bipy)]_2\}(NO_3)_4$: Empirically identical but structurally distinct complexes obtained from a basic aqueous solution of $[Pt(bipy)_2](NO_3)_2$. <i>Polyhedron</i> , 2017, 130, 145-153.	2.2	0
8	Synthesis, Characterization, and Photocatalytic H_2 -Evolving Activity of a Family of $[Co(N_4Py)(X)]$ Complexes in Aqueous Solution. <i>Inorganic Chemistry</i> , 2016, 55, 4564-4581.	4.0	47
9	Multifrequency cw-EPR and DFT Studies of an Apparent Compressed Octahedral Cu(II) Complex. <i>Inorganic Chemistry</i> , 2016, 55, 1497-1504.	4.0	16
10	Some metal complexes of three new potentially heptadentate (N ₄ O ₃) tripodal Schiff base ligands; synthesis, characterization and X-ray crystal structure of a novel eight coordinate Gd(III) complex. <i>Journal of Molecular Structure</i> , 2016, 1108, 727-734.	3.6	16
11	Calcium and heterometallic manganese-calcium complexes supported by tripodal pyridine-carboxylate ligands: structural, EPR and theoretical investigations. <i>Dalton Transactions</i> , 2015, 44, 12757-12770.	3.3	15
12	Alkyl linker effects on the coordination topology of ditopic di(2-pyridylmethyl)amine carboxylate ligands with Zn^{II} and Cu^{II} : polymers vs. macrocycles. <i>CrystEngComm</i> , 2015, 17, 2974-2988.	2.6	9
13	Hybrid Pyrazolyl-1,2,3-Triazolyl Tripodal Tetraamine Ligands: Click Synthesis and Cobalt(III) Complexes. <i>Australian Journal of Chemistry</i> , 2015, 68, 1160.	0.9	4
14	The pentadentate ligands 2PyN ₂ Q and N ₄ Py, and their Cu(II) and Zn(II) complexes: A synthetic, spectroscopic and crystallographic structural study. <i>Inorganica Chimica Acta</i> , 2015, 426, 183-194.	2.4	21
15	Mn(II) complexes of three [2+2] macrocyclic Schiff base ligands. Synthesis and X-ray crystal structure of the first binuclear di(binuclear) cocrystal. <i>Polyhedron</i> , 2014, 68, 151-156.	2.2	20
16	Sulfanilic acid-functionalized silica-coated magnetite nanoparticles as an efficient, reusable and magnetically separable catalyst for the solvent-free synthesis of 1-amido- and 1-aminoalkyl-2-naphthols. <i>RSC Advances</i> , 2014, 4, 28176-28185.	3.6	95
17	Five-Coordinate $[Pt^{II}(bipyridine)_2(phosphine)]$ Complexes: Long-Lived Intermediates in Ligand Substitution Reactions of $[Pt(bipyridine)_2]^{2+}$ with Phosphine Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 3595-3605.	4.0	11
18	Synthesis, spectral characterization, and structural investigation of mononuclear salen-type Cu(II) and Zn(II) complexes of a potentially octadentate N ₂ O ₆ Schiff base ligand derived from binaphthol. <i>Transition Metal Chemistry</i> , 2013, 38, 611-616.	1.4	13

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19	Synthesis, Characterization, and Photophysics of Oxadiazole- and Diphenylaniline-Substituted Re(I) and Cu(I) Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 1304-1317.	4.0	34
20	Low symmetry pyrazole-based tripodal tetraamineligands: metal complexes and ligand decomposition reactions. <i>Dalton Transactions</i> , 2013, 42, 2174-2185.	3.3	9
21	Bis-hypodentate coordination in a classical Werner-type complex: Synthesis and structure of [Co(en-N,N- \hat{N}) ₂ (enH-N) ₂]Br \cdot 5H ₂ O. <i>Polyhedron</i> , 2013, 52, 1227-1230.	2.2	2
22	The nature of species derived from [Pt(bipy) ₂] ²⁺ in aqueous solution: X-ray structural, mass spectral, NMR, and computational studies. <i>Polyhedron</i> , 2013, 64, 238-246.	2.2	8
23	Heteroleptic Cu(I) Bis-diimine Complexes of 6,6- \hat{N} -Dimesityl-2,2- \hat{N} -bipyridine: A Structural, Theoretical and Spectroscopic Study. <i>Inorganic Chemistry</i> , 2013, 52, 2980-2992.	4.0	53
24	Efficient photocatalytic hydrogen production in water using a cobalt(III) tetraaza-macrocyclic catalyst: electrochemical generation of the low-valent Co(I) species and its reactivity toward proton reduction. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 17544.	2.8	106
25	Synthesis, characterization, and X-ray crystal structures of metal complexes with new Schiff-base ligands and their antibacterial activities. <i>Journal of Coordination Chemistry</i> , 2012, 65, 1004-1016.	2.2	21
26	Complete Family of Mono-, Bi-, and Trinuclear Re ^I (CO) ₃ Cl Complexes of the Bridging Polypyridyl Ligand 2,3,8,9,14,15-Hexamethyl-5,6,11,12,17,18-hexaazatrinaphthalene: Syn/Anti Isomer Separation, Characterization, and Photophysics. <i>Inorganic Chemistry</i> , 2011, 50, 6093-6106.	4.0	50
27	Factors influencing mononuclear versus multinuclear coordination in a series of potentially hexadentate acyclic N ₆ ligands: the roles of flexibility and chelate ring size. <i>Dalton Transactions</i> , 2011, 40, 12075.	3.3	6
28	Electrochemical formation of bi- versus tetranuclear \hat{N} -oxo terpyridine manganese complexes in CH ₃ CN. Influence of the terpyridine substituents. <i>Inorganica Chimica Acta</i> , 2011, 374, 187-196.	2.4	6
29	Synthesis and Crystal Structure Determination of [H ₂ \hat{N} -cryptand 222](Br ₃) ₂ : A Unique Tribromide Catalyst for the Catalytic Chemoselective \hat{N} -Boc Protection of Amines. <i>Journal of the Chinese Chemical Society</i> , 2011, 58, 538-543.	1.4	15
30	Synthesis and characterization of two new asymmetrical branched amines and related Mn(II) and Ni(II) Schiff base complexes containing pyridine moieties: Crystal structures of Mn(II) and Ni(II) complexes and their antibacterial properties. <i>Polyhedron</i> , 2011, 30, 1865-1870.	2.2	23
31	A Structural Model for HPO ₄ ²⁻ Binding to Co in a Water Oxidation Catalyst. <i>Chemistry - an Asian Journal</i> , 2010, 5, 756-758.	3.3	5
32	Mn(II) and Cd(II) macrocyclic Schiff base complexes with a single pendant coordinating 2-pyridylmethyl arm: Synthesis, X-ray crystal structure and NMR studies. <i>Polyhedron</i> , 2010, 29, 850-856.	2.2	16
33	Effect of Sulfur-Based Substituents on the Electronic Properties of Re(I) dppz Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 5180-5189.	4.0	60
34	Synthesis, characterization, and X-ray crystal structure analysis of Cd(\hat{N}) and Cu(II) complexes of an acyclic pentadentate Schiff base. <i>Journal of Coordination Chemistry</i> , 2010, 63, 634-642.	2.2	4
35	An Unusual Stable Mononuclear Mn ^{III} Bis-terpyridine Complex Exhibiting Jahn-Teller Compression: Electrochemical Synthesis, Physical Characterisation and Theoretical Study. <i>Chemistry - A European Journal</i> , 2009, 15, 980-988.	3.3	63
36	Co(III) complexes of the type [(L)Co(O ₂ CO)] ⁺ (L=tripodal tetraamine ligand): Synthesis, structure, DFT calculations and ⁵⁹ Co NMR. <i>Polyhedron</i> , 2009, 28, 1459-1468.	2.2	8

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37	Trinuclear Terpyridine Frustrated Spin System with a Mn ^{IV} ₃ O ₄ Core: Synthesis, Physical Characterization, and Quantum Chemical Modeling of Its Magnetic Properties. <i>Inorganic Chemistry</i> , 2009, 48, 10281-10288.	4.0	53
38	Trinuclear Copper(I) Complex Containing 3,4,9,10,15,16-Hexamethyl-1,6,7,12,13,18-hexaazatrinaphthylene: A Structural, Spectroscopic, and Computational Study. <i>Journal of Physical Chemistry A</i> , 2009, 113, 3566-3575.	2.5	26
39	Reactions of Co(III)-coordinated Ornithine: Towards Inhibitors of the Polyamine Biosynthetic Pathway. <i>Australian Journal of Chemistry</i> , 2009, 62, 1221.	0.9	1
40	A Synthetic, Structural, Spectroscopic and DFT study of Re ^I , Cu ^I , Ru ^{II} and Ir ^{III} Complexes Containing Functionalised Dipyrido[3,2- <i>a</i> :2- <i>c</i> ,3- <i>a</i> :2- <i>c</i>]phenazine (dppz). <i>Chemistry - A European Journal</i> , 2008, 14, 11573-11583.	3.3	48
41	Tripodal Tetraamine Ligands Containing Three Pyridine Units: The <i>other</i> Polypyridyl Ligands. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2633-2647.	2.0	82
42	The donor ability of the chelated carbonate ligand: protonation and metallation of [(L)Co(O ₂ CO)] ⁺ complexes in aqueous solution. <i>Dalton Transactions</i> , 2008, , 4984.	3.3	11
43	A computational study of the electronic structure, bonding, and spectral properties of tripodal tetraamine Co(III) carbonate complexes. <i>Dalton Transactions</i> , 2008, , 2433.	3.3	14
44	Synthesis and characterization of the tetranuclear iron(III) complex of a new asymmetric multidentate ligand. A structural model for purple acid phosphatases. <i>Dalton Transactions</i> , 2007, , 5132.	3.3	31
45	Binuclear ruthenium and osmium mixed-valence complexes containing fused and flexible polypyridyl bridging ligands. <i>Polyhedron</i> , 2007, 26, 266-274.	2.2	4
46	A new series of potentially hexadentate ligands derived from 2,2'-bipyridine. <i>Polyhedron</i> , 2007, 26, 378-384.	2.2	6
47	High-field EPR investigation of a series of mononuclear Mn(II) complexes doped into Zn(II) hosts. <i>Polyhedron</i> , 2007, 26, 5243-5249.	2.2	20
48	Stabilization of Coordinated Carbonate in Aqueous Acidic Solution: Steric Inhibition of Protonation in Co(III) Complexes Containing Chelated Carbonate. <i>Inorganic Chemistry</i> , 2006, 45, 2610-2618.	4.0	29
49	Synthesis and Co(III) complexes of the new tetradentate mixed-donor tetraamine ligand N-{2-[(2-pyridin-2-ylethyl)amino]ethyl}ethane-1,2-diamine (peda). <i>Polyhedron</i> , 2006, 25, 373-378.	2.2	4
50	Synthesis and Characterization of a Multicomponent Rhenium(I) Complex for Application as an OLED Dopant. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2582-2584.	13.8	136
51	Cover Picture: Synthesis and Characterization of a Multicomponent Rhenium(I) Complex for Application as an OLED Dopant (<i>Angew. Chem. Int. Ed.</i> 16/2006). <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2481-2481.	13.8	1
52	The coordination chemistry of tripodal tetraamine ligands. <i>Polyhedron</i> , 2005, 24, 1-39.	2.2	196
53	Overcoming the chelate effect: hypodentate coordination of common multidentate amine ligands. <i>Comptes Rendus Chimie</i> , 2005, 8, 107-119.	0.5	35
54	The Coordination Chemistry of Tripodal Tetraamine Ligands. <i>ChemInform</i> , 2005, 36, no.	0.0	0

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55	Overcoming the Chelate Effect: Hypodentate Coordination of Common Multidentate Amine Ligands. <i>ChemInform</i> , 2005, 36, no.	0.0	0
56	trans-3-Bromo-2-chloroindan-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o651-o652.	0.2	0
57	(Δ)-Adamantane-1,2-diyl diacetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o3154-o3155.	0.2	1
58	Bis(2,2'-bipyridine- κ^2 N,N')platinum(II) bis(perchlorate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m2042-m2043.	0.2	6
59	Photoexcitation in Cu(I) and Re(I) Complexes Containing Substituted Dipyrido[3,2-a:3'-c]phenazine: A Spectroscopic and Density Functional Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2005, 109, 5933-5942.	2.5	67
60	Complexes of Functionalized Dipyrido[3,2-a:3'-c]-phenazine: A Synthetic, Spectroscopic, Structural, and Density Functional Theory Study. <i>Inorganic Chemistry</i> , 2005, 44, 3551-3560.	4.0	94
61	Cobalt(III) Carbonate and Bicarbonate Chelate Complexes of Tripodal Tetraamine Ligands Containing Pyridyl Donors: The Steric Basis for the Stability of Chelated Bicarbonate Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 4215-4225.	4.0	22
62	Synthesis and hypodentate Cu(II) complexes of new tripodal tetraamine ligands incorporating a long pendant arm. <i>Polyhedron</i> , 2004, 23, 97-102.	2.2	16
63	Synthesis and electronic properties of mononuclear osmium(II) and rhenium(I) complexes containing ligands derived from [2,3-a:3'-c]dipyridophenazine (ppb). <i>Polyhedron</i> , 2004, 23, 1427-1439.	2.2	17
64	The hydrolysis of 4-nitrophenylphosphate promoted by [(N) ₄ Co(OH/H)(OH/H)] ^{+2+/3+} species ((N) ₄ =abap, tren); use of 31P NMR to uncover mechanistic complexity. <i>Inorganica Chimica Acta</i> , 2003, 342, 114-124.	2.4	19
65	The nature of the [Pt(bipy) ₂] ²⁺ ion in aqueous alkaline solution: a new look at an old problem. <i>Dalton Transactions</i> , 2003, , 2215-2218.	3.3	14
66	Synthesis and Structure of the Methylated Tren Derivative N,N,N-Tris(2-aminoethyl)-N-methylammonium Chloride Trihydrochloride. <i>Australian Journal of Chemistry</i> , 2002, 55, 263.	0.9	4
67	A Polar Effects Controlled Enantioselective 1,2-Chlorine Atom Migration via a Chlorine-Bridged Radical Intermediate. <i>Journal of the American Chemical Society</i> , 2002, 124, 2078-2079.	13.7	18
68	unsym-fac-(exo-OH)-[Co(dien)(dapo)(N ₃)] [ZnCl ₄]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002, 58, m125-m126.	0.2	0
69	Preparation, structures and reactions of isomeric [Co(cyclen)(O ₂ C ₂ O ₂)] ⁺ and [Co(cyclen)(O ₂ CCH ₂ CO ₂)] ⁺ complexes (cyclen=1,4,7,10-tetraazacyclododecane). <i>Dalton Transactions RSC</i> , 2001, , 758-765.	0.2	11
70	Chromium(III)-Promoted C(2) Isotopic H-Exchange in Coordinated N-Methylimidazole: Exceptionally Rapid or Slow and Normal?. <i>Journal of the American Chemical Society</i> , 2001, 123, 8131-8132.	13.7	4
71	[N-(2-Aminoethyl)-N,N-bis(3-aminopropyl)amine]dichlorocobalt(III) chloride, [Co(abap)Cl ₂]Cl. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2001, 57, m17-m18.	0.2	4
72	Pentafluorophenyl 3-chloro-3-phenylpropanoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2001, 57, o725-o726.	0.2	4

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73	Overcoming the chelate effect: hypodentate coordination of ethylenediamine, diethylenetriamine and tris(2-aminoethyl)amine in Co(III) complexes. <i>Inorganica Chimica Acta</i> , 2000, 307, 27-32.	2.4	24
74	Copper-Dioxygen and Copper-Oxo Species Relevant to Copper Oxygenases and Oxidases. , 2000, , 179-211.		88
75	Kinetic Origin of the Chelate Effect. Base Hydrolysis, H-Exchange Reactivity, and Structures of $[\text{Co}(\text{cyclen})(\text{NH}_3)_2]^{3+}$ and $[\text{Co}(\text{cyclen})(\text{diamine})_3]^{3+}$ Ions (diamine = $\text{H}_2\text{N}(\text{CH}_2)_2\text{NH}_2$). <i>Inorganic Chemistry</i> , 1999, 38, 178-181.	1.1	6
76	C(2)-H isotopic exchange in coordinated imidazoles revisited. The case of the $[\text{Co}(\text{NH}_3)_3(\text{ImH})]^{3+}$ ion. <i>Canadian Journal of Chemistry</i> , 1999, 77, 178-181.	1.1	6
77	$[(\text{NH}_3)_5\text{CoOP}(\text{H})(\text{O})\text{OC}(\text{NH}_3)_5]^{4+}$ and its conjugate acid; evidence for the $\text{P}=\text{O}$ description of a terminal $\text{P}=\text{O}$ bond. <i>Inorganica Chimica Acta</i> , 1999, 294, 14-19.	2.4	2
78	Reactivity of free and Co(III)-co-ordinated phosphite; mechanisms of bromine oxidation and H/D exchange. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3809-3816.	1.1	3
79	Reaction of Imidazoles with Cyanogen Bromide: Cyanation at N 1 or Bromination at C 2?. <i>Australian Journal of Chemistry</i> , 1999, 52, 159.	0.9	28
80	Electrophilic substitution of metal-coordinated pyrazole: nitration, sulfonation and bromination of $[\text{Co}(\text{NH}_3)_5(\text{pyzH})]^{3+}$ (pyzH = pyrazole). <i>Inorganica Chimica Acta</i> , 1998, 277, 89-97.	2.4	9
81	A New Tetracycle from Dimerization of the N-Methylpyridazinium Ion in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1133-1135.	13.8	3
82	Synthesis and Structure of $[\text{Co}(\text{tepa})\text{O}_2\text{COH}](\text{ClO}_4)_2 \cdot 3\text{H}_2\text{O}$, a Chelated Bicarbonate Species Prepared in Aqueous Solution. <i>Inorganic Chemistry</i> , 1995, 34, 2795-2796.	4.0	22
83	Synthesis of the New Asymmetric Tripodal Amine Ligand abap: Crystal Structure of $[\text{Co}(\text{abap})(\text{O}_2\text{NO})](\text{ClO}_4)_2$ and Stability and Reactivity of $[\text{Co}(\text{abap})(\text{OH}_2)_2]^{3+}$ toward Phosphate Esters. <i>Inorganic Chemistry</i> , 1995, 34, 421-423.	4.0	41
84	Models of the manganese catalase enzymes. Dinuclear manganese(III) complexes with the $[\text{Mn}_2(\mu\text{-O})(\mu\text{-O}_2\text{CR})_2]^{2+}$ core and terminal monodentate ligands: preparation and properties of $[\text{Mn}_2\text{O}(\text{O}_2\text{CR})_2(\text{X})_2]^{2+}$ (X = chloride, azide, water). <i>Journal of the American Chemical Society</i> , 1993, 115, 12353-12361.	13.7	77
85	Reactions of Coordinated Ligands. <i>Advances in Heterocyclic Chemistry</i> , 1993, , 123-170.	1.7	32
86	Synthesis and structure of $[\text{Mn}_6\text{O}_2(\text{O}_2\text{CPh})_{10}(\text{EtOH})_4(\text{H}_2\text{O})] \cdot \text{EtOH}$, a manganese aggregate containing three types of benzoate ligation. Isomerism in $[\text{Mn}_6\text{O}_2(\text{O}_2\text{CPh})_{10}]$ complexes. <i>Polyhedron</i> , 1992, 11, 251-255.	2.2	30
87	Bromination of imidazole complexes of pentaammine-cobalt(III). Synthesis, structure and reactivity. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 3031.	1.1	16
88	Bromination of imidazoles coordinated to cobalt (III). Kinetics and mechanism of bromination of RImH_3^+ systems [R = $(\text{NH}_3)_5\text{Co}$]; Wheland intermediates and preassociation or diffusion control [Erratum to document cited in <i>CA</i> 114(15):142384z]. <i>Journal of the American Chemical Society</i> , 1991, 113, 9425-9425.	13.7	0
89	Reactions of coordinated imidazole. Oxidation products and ring cleavage in the reactions of RImH_3^+ (R = pentaamminecobalt) with acetyl hypobromite and hypobromous acid. <i>Inorganic Chemistry</i> , 1991, 30, 1635-1642.	4.0	12
90	Towards functional models of the photosynthetic water oxidation centre: synthesis and structure of the asymmetric complex $[\text{Mn}_2\text{O}(\text{O}_2\text{CMe})_2(\text{bpy})_2(\text{H}_2\text{O})(\text{S}_2\text{O}_8)] \cdot \text{H}_2\text{O}$ (bpy = 2,2'-bipyridine), containing coordinated H_2O and $\text{S}_2\text{O}_8^{2-}$. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 989-991.	2.0	24

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91	chlorotrimethylsilane: synthesis and characterization of polymeric (2,2'-bipyridine)trichloromanganese and an improved synthesis of bis(tetraethylammonium) pentachloromanganate(2-). <i>Inorganic Chemistry</i> , 1991, 30, 1665-1668.	4.0	38
92	Bromination of imidazoles coordinated to cobalt(III). Kinetics and mechanism of bromination of $RImH_3^+$ systems [$R = (NH_3)_5Co$]; Wheland intermediates and preassociation or diffusion control. <i>Journal of the American Chemical Society</i> , 1991, 113, 2656-2664.	13.7	20
93	Reactions of Coordinated Ligands. The Bromination of 2,4-dimethyl-3H-imidazole and 3H-imidazole Coordinated (at N1) to Pentaamminecobalt(III). <i>Australian Journal of Chemistry</i> , 1991, 44, 981.	0.9	8
94	The Bromination in Aqueous-Solution of Imidazole Coordinated to $Co(NH_3)_5(3+)$. <i>Australian Journal of Chemistry</i> , 1986, 39, 1465.	0.9	7