Allan G Blackman

List of Publications by Year
in descending order

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94	2,472	218677	223800
papers	citations	26 h-index	46 g-index

104	104	104	2776
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The coordination chemistry of tripodal tetraamine ligands. Polyhedron, 2005, 24, 1-39.	2.2	196
2	Synthesis and Characterization of a Multicomponent Rhenium(I) Complex for Application as an OLED Dopant. Angewandte Chemie - International Edition, 2006, 45, 2582-2584.	13.8	136
3	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. Physical Chemistry Chemical Physics, 2013, 15, 17544.	2.8	106
4	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. RSC Advances, 2014, 4, 28176-28185.	3.6	95
5	Complexes of Functionalized Dipyrido[3,2-a:2â€˜,3â€˜-c]-phenazine:â€‰ A Synthetic, Spectroscopic, Structural, and Density Functional Theory Study. Inorganic Chemistry, 2005, 44, 3551-3560.	4.0	94
6	Copper-Dioxygen and Copper-Oxo Species Relevant to Copper Oxygenases and Oxidases. , 2000, , 179-211.		88
7	Tripodal Tetraamine Ligands Containing Three Pyridine Units: The other Polypyridyl Ligands. European Journal of Inorganic Chemistry, 2008, 2008, 2633-2647.	2.0	82
8	Models of the manganese catalase enzymes. Dinuclear manganese(III) complexes with the [Mn2(.mu.-O)(.mu.-O2CR)2]2+ core and terminal monodentate ligands: preparation and properties of [Mn2O(O2CR)2X2(bpy)2] (X = chloride, azide, water). Journal of the American Chemical Society, 1993, 115, 12353-12361.	13.7	77
9	Photoexcitation in Cu(I) and Re(I) Complexes Containing Substituted Dipyrido[3,2-a:2â€˜,3â€˜-c]phenazine:â€‰ A Spectroscopic and Density Functional Theoretical Study. Journal of Physical Chemistry A, 2005, 109, 5933-5942.	2.5	67
10	An Unusual Stable Mononuclear Mn^{III} Bisâ€terpyridine Complex Exhibiting Jahnâ€“Teller Compression: Electrochemical Synthesis, Physical Characterisation and Theoretical Study. Chemistry - A European Journal, 2009, 15, 980-988.	3.3	63
11	Effect of Sulfur-Based Substituents on the Electronic Properties of Re(I) dppz Complexes. Inorganic Chemistry, 2010, 49, 5180-5189.	4.0	60
12	Five-coordinate transition metal complexes and the value of Ï„₅: observations and caveats. Dalton Transactions, 2020, 49, 14798-14806.	3.3	59
13	Trinuclear Terpyridine Frustrated Spin System with a Mn^{IV}₃O₄ Core: Synthesis, Physical Characterization, and Quantum Chemical Modeling of Its Magnetic Properties. Inorganic Chemistry, 2009, 48, 10281-10288.	4.0	53
14	Heteroleptic Cu(I) Bis-diimine Complexes of 6,6â€²-Dimesityl-2,2â€²-bipyridine: A Structural, Theoretical and Spectroscopic Study. Inorganic Chemistry, 2013, 52, 2980-2992.	4.0	53
15	Complete Family of Mono-, Bi-, and Trinuclear Re^I(CO)₃Cl Complexes of the Bridging Polypyridyl Ligand 2,3,8,9,14,15-Hexamethyl-5,6,11,12,17,18-hexaazatrinapthalene: Syn/Anti Isomer Separation, Characterization, and Photophysics. Inorganic Chemistry, 2011, 50, 6093-6106.	4.0	50
16	A Synthetic, Structural, Spectroscopic and DFT study of Re^I, Cu^I, Ru^{II} and Ir^{III} Complexes Containing Functionalised Dipyrido[3,2â€‹a:2â€²,3â€²â€‹c]phenazine (dppz). Chemistry - A European Journal, 2008, 14, 11573-11583.	3.3	48
17	Synthesis, Characterization, and Photocatalytic H₂-Evolving Activity of a Family of [Co(N4Py)(X)]ⁿ⁺ Complexes in Aqueous Solution. Inorganic Chemistry, 2016, 55, 4564-4581.	4.0	47
18	Synthesis of the New Asymmetric Tripodal Amine Ligand abap: Crystal Structure of [Co(abap)(O2NO)](ClO4)2 and Stability and Reactivity of [Co(abap)(OH2)2]3+ toward Phosphate Esters. Inorganic Chemistry, 1995, 34, 421-423.	4.0	41

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19	chlorotrimethylsilane: synthesis and characterization of polymeric (2,2'-bipyridine)trichloromanganese and an improved synthesis of bis(tetraethylammonium) pentachloromanganate(2-). Inorganic Chemistry, 1991, 30, 1665-1668.	4.0	38
20	Overcoming the chelate effect: hypodentate coordination of common multidentate amine ligands. Comptes Rendus Chimie, 2005, 8, 107-119.	0.5	35
21	Synthesis, Characterization, and Photophysics of Oxadiazole- and Diphenylaniline-Substituted Re(I) and Cu(I) Complexes. Inorganic Chemistry, 2013, 52, 1304-1317.	4.0	34
22	Kinetic Origin of the Chelate Effect. Base Hydrolysis, H-Exchange Reactivity, and Structures ofsyn,anti-[Co(cyclen)(NH3)2]3+andsyn,anti-[Co(cyclen)(diamine)]3+Ions (diamine = H2N(CH2)2NH2,) Tj ETQq0 0 0 rgBT /Overlock 10	4.0	33
23	Reactions of Coordinated Ligands. Advances in Heterocyclic Chemistry, 1993, , 123-170.	1.7	32
24	Synthesis and characterization of the tetranuclear iron(iii) complex of a new asymmetric multidentate ligand. A structural model for purple acid phosphatases. Dalton Transactions, 2007, , 5132.	3.3	31
25	Synthesis and structure of [Mn6O2(O2CPh)10(EtOH)4(H2O)] Â·EtOH, a manganese aggregate containing three types of benzoate ligation. Isomerism in [Mn6O2(O2CPh)10] complexes. Polyhedron, 1992, 11, 251-255.	2.2	30
26	Stabilization of Coordinated Carbonate in Aqueous Acidic Solution:Â Steric Inhibition of Protonation in Co(III) Complexes Containing Chelated Carbonateâ€. Inorganic Chemistry, 2006, 45, 2610-2618.	4.0	29
27	Reaction of Imidazoles with Cyanogen Bromide: Cyanation at N 1 or Bromination at C 2?. Australian Journal of Chemistry, 1999, 52, 159.	0.9	28
28	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. Journal of Physical Chemistry A, 2009, 113, 3566-3575.	2.5	26
29	Towards functional models of the photosynthetic water oxidation centre: synthesis and structure of the asymmetric complex [Mn2O(O2CMe)2(bpy)2(H2O)(S2O8)]Â·H2O (bpy = 2,2â€²-bipyridine), containing coordinated H2O and S2O82â€“. Journal of the Chemical Society Chemical Communications, 1991, , 989-991.	2.0	24
30	Overcoming the chelate effect: hypodentate coordination of ethylenediamine, diethylenetriamine and tris(2-aminoethyl)amine in Co(III) complexes. Inorganica Chimica Acta, 2000, 307, 27-32.	2.4	24
31	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. Polyhedron, 2011, 30, 1865-1870.	2.2	23
32	Synthesis and Structure of [Co(tepa)O2COH](ClO4)2.cntdot.3H2O, a Chelated Bicarbonate Species Prepared in Aqueous Solution. Inorganic Chemistry, 1995, 34, 2795-2796.	4.0	22
33	Cobalt(III) Carbonate and Bicarbonate Chelate Complexes of Tripodal Tetraamine Ligands Containing Pyridyl Donors:Â The Steric Basis for the Stability of Chelated Bicarbonate Complexes. Inorganic Chemistry, 2005, 44, 4215-4225.	4.0	22
34	Synthesis, characterization, and X-ray crystal structures of metal complexes with new Schiff-base ligands and their antibacterial activities. Journal of Coordination Chemistry, 2012, 65, 1004-1016.	2.2	21
35	The pentadentate ligands 2PyN2Q and N4Py, and their Cu(II) and Zn(II) complexes: A synthetic, spectroscopic and crystallographic structural study. Inorganica Chimica Acta, 2015, 426, 183-194.	2.4	21
36	Bromination of imidazoles coordinated to cobalt(III). Kinetics and mechanism of bromination of RImH3+ systems [R = (NH3)5Co]; Wheland intermediates and preassociation or diffusion control. Journal of the American Chemical Society, 1991, 113, 2656-2664.	13.7	20

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37	High-field EPR investigation of a series of mononuclear Mn(II) complexes doped into Zn(II) hosts. Polyhedron, 2007, 26, 5243-5249.	2.2	20
38	Mn(II) complexes of three [2+2] macrocyclic Schiff base ligands. Synthesis and X-ray crystal structure of the first binuclearâ€“di(binuclear) cocrystal. Polyhedron, 2014, 68, 151-156.	2.2	20
39	The hydrolysis of 4-nitrophenylphosphate promoted by [(N)4Co(OH/H)(OH/H)]+/2+/3+ species ((N)4=abap, tren); use of 31P NMR to uncover mechanistic complexity. Inorganica Chimica Acta, 2003, 342, 114-124.	2.4	19
40	A Polar Effects Controlled Enantioselective 1,2-Chlorine Atom Migration via a Chlorine-Bridged Radical Intermediate. Journal of the American Chemical Society, 2002, 124, 2078-2079.	13.7	18
41	Synthesis and electronic properties of mononuclear osmium(II) and rhenium(I) complexes containing ligands derived from [2,3-a:3â€²,2â€²-c]dipyridophenazine (ppb). Polyhedron, 2004, 23, 1427-1439.	2.2	17
42	Bromination of imidazole complexes of pentaammine-cobalt(III). Synthesis, structure and reactivity. Journal of the Chemical Society Dalton Transactions, 1991, , 3031.	1.1	16
43	Synthesis and hypodentate Cu(II) complexes of new tripodal tetraamine ligands incorporating a long pendant arm. Polyhedron, 2004, 23, 97-102.	2.2	16
44	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. Polyhedron, 2010, 29, 850-856.	2.2	16
45	Multifrequency cw-EPR and DFT Studies of an Apparent Compressed Octahedral Cu(II) Complex. Inorganic Chemistry, 2016, 55, 1497-1504.	4.0	16
46	Some metal complexes of three new potentially heptadentate (N 4 O 3) tripodal Schiff base ligands; synthesis, characterizatin and X-ray crystal structure of a novel eight coordinate Gd(III) complex. Journal of Molecular Structure, 2016, 1108, 727-734.	3.6	16
47	Synthesis and Crystal Structure Determination of [H2â€cryptand 222](Br₃)₂: A Unique Tribromide Catalyst for the Catalytic Chemoselective Nâ€Boc Protection of Amines. Journal of the Chinese Chemical Society, 2011, 58, 538-543.	1.4	15
48	Calcium and heterometallic manganeseâ€“calcium complexes supported by tripodal pyridine-carboxylate ligands: structural, EPR and theoretical investigations. Dalton Transactions, 2015, 44, 12757-12770.	3.3	15
49	The nature of the [Pt(bipy)2]2+ion in aqueous alkaline solution: a new look at an old problem. Dalton Transactions, 2003, , 2215-2218.	3.3	14
50	A computational study of the electronic structure, bonding, and spectral properties of tripodal tetraamine Co(iii) carbonate complexes. Dalton Transactions, 2008, , 2433.	3.3	14
51	Synthesis, spectral characterization, and structural investigation of mononuclear salen-type Cu(II) and Zn(II) complexes of a potentially octadentate N2O6 Schiff base ligand derived from binaphthol. Transition Metal Chemistry, 2013, 38, 611-616.	1.4	13
52	Reactions of coordinated imidazole. Oxidation products and ring cleavage in the reactions of RImH3+ (R = pentaamminecobalt) with acetyl hypobromite and hypobromous acid. Inorganic Chemistry, 1991, 30, 1635-1642.	4.0	12
53	Preparation, structures and reactions of isomeric [Co(cyclen)(O2C2O2)]+ and [Co(cyclen)(O2CCH2CO2)]+ complexes (cyclenâ€…=â€…1,4,7,10-tetraazacyclododecane)â€Šâ€. Dalton Transactions RSC, 2001, , 758-765.	2.2	11
54	The donor ability of the chelated carbonate ligand: protonation and metallation of [(L)Co(O2CO)]+ complexes in aqueous solution. Dalton Transactions, 2008, , 4984.	3.3	11

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55	Five-Coordinate [Pt^{II}(bipyridine)₂(phosphine)]ⁿ⁺ Complexes: Long-Lived Intermediates in Ligand Substitution Reactions of [Pt(bipyridine)₂]²⁺ with Phosphine Ligands. Inorganic Chemistry, 2014, 53, 3595-3605.	4.0	11
56	Electrophilic substitution of metal-coordinated pyrazole: nitration, sulfonation and bromination of [Co(NH3)5(pyzH)]3+ (pyzH = pyrazole). Inorganica Chimica Acta, 1998, 277, 89-97.	2.4	9
57	Low symmetry pyrazole-based tripodal tetraamineligands: metal complexes and ligand decomposition reactions. Dalton Transactions, 2013, 42, 2174-2185.	3.3	9
58	Alkyl linker effects on the coordination topology of ditopic di(2-pyridylmethyl)amine carboxylate ligands with Zn^{II}and Cu^{II}: polymersvs.macrocycles. CrystEngComm, 2015, 17, 2974-2988.	2.6	9
59	Metalâ€coordinated Hydroxide as a Nucleophile: a Brief History. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 616-629.	1.2	9
60	Reactions of Coordinated Ligands. The Bromination of 2,4-dimethyl-3H-imidazole and 3H-imidazole Coordinated (at N1) to Pentaamminecobalt(III). Australian Journal of Chemistry, 1991, 44, 981.	0.9	8
61	Co(III) complexes of the type [(L)Co(O2CO)]+ (L=tripodal tetraamine ligand): Synthesis, structure, DFT calculations and 59Co NMR. Polyhedron, 2009, 28, 1459-1468.	2.2	8
62	The nature of species derived from [Pt(bipy)2]2+ in aqueous solution: X-ray structural, mass spectral, NMR, and computational studies. Polyhedron, 2013, 64, 238-246.	2.2	8
63	The Bromination in Aqueous-Solution of Imidazole Coordinated to Co(NH3)5(3+). Australian Journal of Chemistry, 1986, 39, 1465.	0.9	7
64	C(2)-H isotopic exchange in coordinated imidazoles revisited. The case of the [Co(NH₃)₅ImH]³⁺ ion. Canadian Journal of Chemistry, 1999, 77, 178-181.	1.1	6
65	Bis(2,2â€²-bipyridine-Î²2N,Nâ€²)platinum(II) bis(perchlorate). Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m2042-m2043.	0.2	6
66	A new series of potentially hexadentate ligands derived from 2,2â€²-bipyridine. Polyhedron, 2007, 26, 378-384.	2.2	6
67	Factors influencing mononuclear versus multinuclear coordination in a series of potentially hexadentate acyclic N6 ligands: the roles of flexibility and chelate ring size. Dalton Transactions, 2011, 40, 12075.	3.3	6
68	Electrochemical formation of bi- versus tetranuclear Î¼-oxo terpyridine manganese complexes in CH3CN. Influence of the terpyridine substituents. Inorganica Chimica Acta, 2011, 374, 187-196.	2.4	6
69	The coordination chemistry of acyclic pentadentate pentaamine ligands. Polyhedron, 2019, 161, 1-33.	2.2	6
70	A Structural Model for HPO₄^{2â^’} Binding to Co in a Water Oxidation Catalyst. Chemistry - an Asian Journal, 2010, 5, 756-758.	3.3	5
71	Chromium(III)-Promoted C(2) Isotopic H-Exchange in CoordinatedN-Methylimidazole:Â Exceptionally Rapid or Slow and Normal?. Journal of the American Chemical Society, 2001, 123, 8131-8132.	13.7	4
72	[N-(2-Aminoethyl)-N,N-bis(3-aminopropyl)amine]dichlorocobalt(III) chloride, [Co(abap)Cl2]Cl. Acta Crystallographica Section E: Structure Reports Online, 2001, 57, m17-m18.	0.2	4

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73	Pentafluorophenyl 3-chloro-3-phenylpropanoate. Acta Crystallographica Section E: Structure Reports Online, 2001, 57, o725-o726.	0.2	4
74	Synthesis and Structure of the Methylated Tren Derivative N,N,N-Tris(2-aminoethyl)-N-methylammonium Chloride Trihydrochloride. Australian Journal of Chemistry, 2002, 55, 263.	0.9	4
75	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). Polyhedron, 2006, 25, 373-378.	2.2	4
76	Binuclear ruthenium and osmium mixed-valence complexes containing fused and flexible polypyridyl bridging ligands. Polyhedron, 2007, 26, 266-274.	2.2	4
77	Synthesis, characterization, and X-ray crystal structure analysis of Cd(Î™Î™) and Cu(II) complexes of an acyclic pentadentate Schiff base. Journal of Coordination Chemistry, 2010, 63, 634-642.	2.2	4
78	Hybrid Pyrazolyl-1,2,3-Triazolyl Tripodal Tetraamine Ligands: Click Synthesis and Cobalt(III) Complexes. Australian Journal of Chemistry, 2015, 68, 1160.	0.9	4
79	A New Tetracycle from Dimerization of theN-Methylpyridazinium Ion in Aqueous Solution. Angewandte Chemie - International Edition, 1998, 37, 1133-1135.	13.8	3
80	Reactivity of free and CoIII-co-ordinated phosphite; mechanisms of bromine oxidation and H/D exchangeâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1999, , 3809-3816.	1.1	3
81	[(NH3)5CoOP(H)(O)OCo(NH3)5]4+ and its conjugate acid; evidence for the P+î—¸Oâ˜ description of a terminal Pî—¸O bond. Inorganica Chimica Acta, 1999, 294, 14-19.	2.4	2
82	Bis-hypodentate coordination in a classical Werner-type complex: Synthesis and structure of [Co(en-N,Nâ€²)2(enH-N)2]Br5Â·H2O. Polyhedron, 2013, 52, 1227-1230.	2.2	2
83	The most boring chemical element. Nature Chemistry, 2019, 11, 751-756.	13.6	2
84	(Â±)-Adamantane-1,2-diyl diacetate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o3154-o3155.	0.2	1
85	Cover Picture: Synthesis and Characterization of a Multicomponent Rhenium(I) Complex for Application as an OLED Dopant (Angew. Chem. Int. Ed. 16/2006). Angewandte Chemie - International Edition, 2006, 45, 2481-2481.	13.8	1
86	Does H₃O⁺ Really Act as a Ligand in the Solid State?. Inorganic Chemistry, 2021, 60, 13071-13079.	4.0	1
87	Reactions of Co(III)-coordinated Ornithine: Towards Inhibitors of the Polyamine Biosynthetic Pathway. Australian Journal of Chemistry, 2009, 62, 1221.	0.9	1
88	Bromination of imidazoles coordinated to cobalt (III). Kinetics and mechanism of bromination of RImH3+ systems [R = (NH3)5Co]; Wheland intermediates and preassociation or diffusion control [Erratum to document cited in CA114(15):142384z]. Journal of the American Chemical Society, 1991, 113, 9425-9425.	13.7	0
89	unsym-fac-(exo-OH)-[Co(dien)(dapo)(N3)][ZnCl4]. Acta Crystallographica Section E: Structure Reports Online, 2002, 58, m125-m126.	0.2	0
90	The Coordination Chemistry of Tripodal Tetraamine Ligands. ChemInform, 2005, 36, no.	0.0	0

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91	Overcoming the Chelate Effect: Hypodentate Coordination of Common Multidentate Amine Ligands. ChemInform, 2005, 36, no.	0.0	0
92	trans-3-Bromo-2-chloroindan-1-one. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o651-o652.	0.2	0
93	[Pt(bipy)(ONO 2) 2] and [{(bipy)Pt(Î¼-O 2 NO) 2 Pt(bipy)} 2](NO 3) 4 : Empirically identical but structurally distinct complexes obtained from a basic aqueous solution of [Pt(bipy) 2](NO 3) 2. Polyhedron, 2017, 130, 145-153.	2.2	0
94	Synthesis, structure and fluxionality of Co(III) complexes containing chelated sulfate. Polyhedron, 2020, 176, 114303.	2.2	0