

Gerard Parkin

List of Publications by Year in descending order

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259
papers

14,165
citations

19657

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28297

105
g-index

267
all docs

267
docs citations

267
times ranked

8131
citing authors

#	ARTICLE	IF	CITATIONS
1	Agostic interactions in transition metal compounds. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6908-6914.	7.1	965
2	Synthetic Analogues Relevant to the Structure and Function of Zinc Enzymes. Chemical Reviews, 2004, 104, 699-768.	47.7	871
3	The occurrence and representation of three-centre two-electron bonds in covalent inorganic compounds. Chemical Communications, 2012, 48, 11481.	4.1	245
4	Aqua, Alcohol, and Acetonitrile Adducts of Tris(perfluorophenyl)borane: Evaluation of Brønsted Acidity and Ligand Lability with Experimental and Computational Methods. Journal of the American Chemical Society, 2000, 122, 10581-10590.	13.7	235
5	A Simple Description of the Bonding in Transition-Metal Borane Complexes. Organometallics, 2006, 25, 4744-4747.	2.3	234
6	Zinc Catalysts for On-Demand Hydrogen Generation and Carbon Dioxide Functionalization. Journal of the American Chemical Society, 2012, 134, 17462-17465.	13.7	227
7	The bioinorganic chemistry of zinc: synthetic analogues of zinc enzymes that feature tripodal ligands. Chemical Communications, 2000, , 1971-1985.	4.1	217
8	Reexamination of Lead(II) Coordination Preferences in Sulfur-Rich Sites: Implications for a Critical Mechanism of Lead Poisoning. Journal of the American Chemical Society, 2005, 127, 9495-9505.	13.7	211
9	A mononuclear zinc hydroxide complex stabilized by a highly substituted tris(pyrazolyl)hydroborato ligand: analogies with the enzyme carbonic anhydrase. Inorganic Chemistry, 1991, 30, 4098-4100.	4.0	203
10	Tris(pyrazolyl)hydroboratozinc hydroxide complexes as functional models for carbonic anhydrase: on the nature of the bicarbonate intermediate. Journal of the American Chemical Society, 1993, 115, 4690-4697.	13.7	200
11	Monomeric Alkyl and Hydride Derivatives of Zinc Supported by Poly(pyrazolyl)hydroborato Ligation: Synthetic, Structural, and Reactivity Studies. Organometallics, 1995, 14, 274-288.	2.3	198
12	Alkyl, Hydride, and Hydroxide Derivatives of the s- and p-Block Elements Supported by Poly(Pyrazolyl)Borato Ligation: Models for Carbonic Anhydrase, Receptors for Anions, and the Study of Controlled Crystallographic Disorder. Advances in Inorganic Chemistry, 1995, , 291-393.	1.0	194
13	Reactivity of the Metal-BX ₃ Dative σ -Bond: 1,2-Addition Reactions of the Fe-BX ₃ Moiety of the Ferraboratrane Complex [ⁿ 4-B(mimBut) ₃]Fe(CO) ₂ . Inorganic Chemistry, 2006, 45, 7056-7058.	4.0	188
14	Bond-stretch isomerism in transition metal complexes: a reevaluation of crystallographic data. Chemical Reviews, 1993, 93, 887-911.	47.7	187
15	Modeling the Catalytic Site of Liver Alcohol Dehydrogenase: Synthesis and Structural Characterization of a [Bis(thioimidazolyl)(pyrazolyl)hydroborato]zinc Complex, [HB(timMe) ₂ pz]ZnI. Inorganic Chemistry, 1997, 36, 5680-5681.	4.0	168
16	The Electronic Influence of Ring Substituents and AnsaBridges in Zirconocene Complexes as Probed by Infrared Spectroscopic, Electrochemical, and Computational Studies. Journal of the American Chemical Society, 2002, 124, 9525-9546.	13.7	168
17	Application of the Covalent Bond Classification Method for the Teaching of Inorganic Chemistry. Journal of Chemical Education, 2014, 91, 807-816.	2.3	152
18	Terminal oxo, sulfido, selenido, and tellurido complexes of zirconium, (eta-5-C ₅ Me ₄ R)Zr(E)(NC ₅ H ₅): comparison of terminal Zr-E single and Zr:E double-bond lengths. Journal of the American Chemical Society, 1994, 116, 606-615.	13.7	150

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19	Valence, Oxidation Number, and Formal Charge: Three Related but Fundamentally Different Concepts. <i>Journal of Chemical Education</i> , 2006, 83, 791.	2.3	145
20	Normal and Inverse Primary Kinetic Deuterium Isotope Effects for C-H Bond Reductive Elimination and Oxidative Addition Reactions of Molybdenocene and Tungstenocene Complexes: Evidence for Benzene η^5 -Complex Intermediates. <i>Journal of the American Chemical Society</i> , 2003, 125, 1403-1420.	13.7	138
21	The Ansa Effect in Permethylmolybdenocene Chemistry: A [Me ₂ Si]Ansa Bridge Promotes Intermolecular C-H and C-C Bond Activation. <i>Organometallics</i> , 1999, 18, 2403-2406.	2.3	134
22	Synthesis and Structural Characterization of [B(S,S-B(mimR) ₃)Ir(CO)(PPh ₃)H (R = But, Ph) and [B(mimBut) ₃]M(PPh ₃)Cl (M = Rh, Ir): Analysis of the Bonding in Metal Borane Compounds. <i>Inorganic Chemistry</i> , 2006, 45, 2588-2597.	4.0	132
23	Zinc and Magnesium Catalysts for the Hydrosilylation of Carbon Dioxide. <i>Journal of the American Chemical Society</i> , 2017, 139, 18162-18165.	13.7	128
24	Lead Poisoning and the Inactivation of 5-Aminolevulinatase as Modeled by the Tris(2-mercapto-1-phenylimidazolyl)hydroborato Lead Complex, {[TmPh]Pb}[ClO ₄]. <i>Journal of the American Chemical Society</i> , 2000, 122, 7140-7141.	13.7	121
25	Do bond-stretch isomers really exist?. <i>Accounts of Chemical Research</i> , 1992, 25, 455-460.	15.6	120
26	Temperature-Dependent Transitions Between Normal and Inverse Isotope Effects Pertaining to the Interaction of C-H and C-H Bonds with Transition Metal Centers. <i>Accounts of Chemical Research</i> , 2009, 42, 315-325.	15.6	120
27	Palladium complexes with Pd-B dative bonds: Analysis of the bonding in the palladaboratrane compound [B(mimBut) ₃]Pd(PMe ₃). <i>Chemical Communications</i> , 2006, , 5015-5017.	4.1	118
28	Reactivity of the Ni-B dative η^5 -bond in the nickel boratrane compounds [B(mimBut) ₃]NiX (X = Cl, OAc), [B(mimBut) ₃]Ni ⁺ OTf ⁻ complexes, [YtmBut]NiZ. <i>Chemical Communications</i> , 2008, , 1008.	4.1	117
29	Synthesis, Structure, and Reactivity of a Mononuclear Organozinc Hydride Complex: Facile Insertion of CO ₂ into a Zn-H Bond and CO ₂ -Promoted Displacement of Siloxide Ligands. <i>Journal of the American Chemical Society</i> , 2011, 133, 9708-9711.	13.7	113
30	Cleaving Mercury-Alkyl Bonds: A Functional Model for Mercury Detoxification by MerB. <i>Science</i> , 2007, 317, 225-227.	12.6	107
31	Synthesis, Structure, and Reactivity of a Terminal Magnesium Hydride Compound with a Carborane Motif, [TismPr ⁺ iBenz]MgH: A Multifunctional Catalyst for Hydrosilylation and Hydroboration. <i>Journal of the American Chemical Society</i> , 2017, 139, 13264-13267.	13.7	107
32	A Monovalent Gallium Complex Supported by Tris(3,5-di-tert-butylpyrazolyl)hydroborato Ligation: The Syntheses and Structures of [TpBut ₂]Ga and Its Gal ₃ Adduct, [TpBut ₂]Ga ⁺ Gal ₃ ⁻ . <i>Journal of the American Chemical Society</i> , 1996, 118, 10914-10915.	13.7	105
33	Zinc Pyrazolylborate Complexes Relevant to the Biological Function of Carbonic Anhydrase. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 92-93.	4.4	103
34	Syntheses of the Phenylchalcogenolate Complexes (.eta. ⁵ -C ₅ Me ₅) ₂ Zr(EPh) ₂ (E = O, S, Se, Te) and (.eta. ⁵ -C ₅ H ₅) ₂ Zr(OPh) ₂ : Structural Comparisons within a Series of Complexes Containing Zirconium-Chalcogen Single Bonds. <i>Inorganic Chemistry</i> , 1995, 34, 5900-5909.	4.0	103
35	Elimination processes for alkyl, hydride, and hydroxy derivatives of permethyltungstenocene. <i>Organometallics</i> , 1989, 8, 1172-1179.	2.3	101
36	The synthesis and structural characterization of bis(mercaptoimidazolyl)hydroborato complexes of lithium, thallium and zinc. <i>Dalton Transactions RSC</i> , 2000, , 891-897.	2.3	100

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37	[Tris(pyrazolyl)hydroborato]magnesium alkyl derivatives: reactivity studies. <i>Journal of the American Chemical Society</i> , 1992, 114, 748-757.	13.7	94
38	Halide, hydride, alkyl, oxo and related derivatives of bis(pentamethylcyclopentadienyl)tungsten(IV). <i>Polyhedron</i> , 1988, 7, 2053-2082.	2.2	85
39	Tris(3-tert-butylpyrazolyl)hydroborato zinc hydride: synthesis, structure and reactivity of a monomeric zinc hydride derivative. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 717.	2.0	84
40	Intramolecular NH \cdots S Hydrogen Bonding in the Zinc Thiolate Complex [TmPh]ZnSCH ₂ C(O)NHPH: A Mechanistic Investigation of Thiolate Alkylation as Probed by Kinetics Studies and by Kinetic Isotope Effects. <i>Journal of the American Chemical Society</i> , 2005, 127, 14039-14050.	13.7	81
41	On the Chalcogenophilicity of Mercury: Evidence for a Strong Hg \cdots Se Bond in [Tm ^{sup} Bu ^{sup} t ^{sup} </sup>]HgSePh and Its Relevance to the Toxicity of Mercury. <i>Journal of the American Chemical Society</i> , 2010, 132, 647-655.	13.7	80
42	Dehydrogenation, disproportionation and transfer hydrogenation reactions of formic acid catalyzed by molybdenum hydride compounds. <i>Chemical Science</i> , 2015, 6, 1859-1865.	7.4	80
43	(Tris-(3-tert-butylpyrazolyl)hydroborato)manganese(II), -iron(II), -cobalt(II), and -nickel(II) halide derivatives: facile abstraction of fluoride from tetrafluoroborate(1-). <i>Inorganic Chemistry</i> , 1990, 29, 2452-2456.	4.0	79
44	Mononuclear tris(2-mercapto-1-arylimidazolyl)hydroborato complexes of zinc, [TmAr]ZnX: structural evidence that a sulfur rich coordination environment promotes the formation of a tetrahedral alcohol complex in a synthetic analogue of LADH. <i>Chemical Communications</i> , 1999, , 2301-2302.	4.1	75
45	The Reactivity of Mo(PMe ₃) ₆ towards Heterocyclic Nitrogen Compounds: Transformations Relevant to Hydrodenitrogenation. <i>Journal of the American Chemical Society</i> , 2002, 124, 13658-13659.	13.7	75
46	Bis(mercaptoimidazolyl)(pyrazolyl)hydroborato Complexes of Zinc, Cadmium, and Cobalt: Structural Evidence for the Enhanced Tendency of Zinc in Biological Systems to Adopt Tetrahedral M[S ₄] Coordination. <i>Inorganic Chemistry</i> , 2000, 39, 4240-4243.	4.0	73
47	CHEMISTRY: Zinc-Zinc Bonds: A New Frontier. <i>Science</i> , 2004, 305, 1117-1118.	12.6	73
48	Applications of tripodal [S ₃] and [Se ₃] L ₂ X donor ligands to zinc, cadmium and mercury chemistry: organometallic and bioinorganic perspectives. <i>New Journal of Chemistry</i> , 2007, 31, 1996.	2.8	73
49	[Tris(pyrazolyl)hydroborato]magnesium alkyl derivatives: synthetic and structural studies. <i>Organometallics</i> , 1991, 10, 1010-1020.	2.3	72
50	Tetrahedral nickel nitrosyl complexes with tripodal [N ₃] and [Se ₃] donor ancillary ligands: structural and computational evidence that a linear nitrosyl is a trivalent ligand. <i>Dalton Transactions</i> , 2007, , 820.	3.3	72
51	[Bis(3-tert-butylpyrazolyl)hydroborato]zinc alkyl derivatives: competitive reactivity of zinc-carbon and boron-hydrogen bonds. <i>Journal of the American Chemical Society</i> , 1990, 112, 4068-4069.	13.7	70
52	[Tris(3-tert-butylpyrazolyl)hydroborato]beryllium hydride: synthesis, structure, and reactivity of a terminal beryllium hydride complex. <i>Inorganic Chemistry</i> , 1992, 31, 983-988.	4.0	70
53	Protonation of the Hydroxide Ligand in a Synthetic Analogue of Carbonic Anhydrase, [TpBut,Me]ZnOH: Inhibition of Reactivity Towards CO ₂ . <i>Journal of the American Chemical Society</i> , 1999, 121, 6322-6323.	13.7	70
54	A zinc thiolate species which mimics aspects of the chemistry of the Ada repair protein and matrix metalloproteinases: the synthesis, structure and reactivity of the tris(2-mercapto-1-phenylimidazolyl)hydroborato complex [TmPh]ZnSPH \cdots . <i>Dalton Transactions RSC</i> , 2000, , 4494-4496.	2.3	69

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55	Structural Studies of the [Tris(imidazolyl)phosphine]metal Nitrate Complexes {[PimPri,But]M(NO ₃)} ₃ (M = Co, Cu, Zn, Cd, Hg): A Comparison of Nitrate-Binding Modes in Synthetic Analogues of Carbonic Anhydrase. <i>Inorganic Chemistry</i> , 2000, 39, 967-974.	4.0	69
56	Selective Conversion of Carbon Dioxide to Formaldehyde via a Bis(silyl)acetal: Incorporation of Isotopically Labeled C1 Moieties Derived from Carbon Dioxide into Organic Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 17754-17762.	13.7	68
57	Poly(pyrazolyl)hydroborato and poly(pyrazolyl)methane aluminium alkyl derivatives. <i>Polyhedron</i> , 1990, 9, 265-276.	2.2	67
58	Modeling Aspects of Hydrodesulfurization at Molybdenum: A Carbon-Sulfur Bond Cleavage of Thiophenes by Ansa-Molybdenocene Complexes. <i>Journal of the American Chemical Society</i> , 2000, 122, 178-179.	13.7	67
59	Synthesis and structural characterization of tris(2-seleno-1-mesitylimidazolyl) hydroborato complexes: A new type of strongly electron donating tripodal selenium ligand. <i>Chemical Communications</i> , 2006, , 3990.	4.1	66
60	A reinvestigation of the molecular structures of cis-mer-MoOCl ₂ (PR ₃) ₃ : do bond-stretch isomers really exist?. <i>Journal of the American Chemical Society</i> , 1991, 113, 1437-1438.	13.7	64
61	Modeling the Catalytic Cycle of Liver Alcohol Dehydrogenase: Synthesis and Structural Characterization of a Four-Coordinate Zinc Ethoxide Complex and Determination of Relative Zn-OH versus Zn-OH Bond Energies. <i>Inorganic Chemistry</i> , 1999, 38, 422-423.	4.0	64
62	Synthesis and Structural Characterization of 1-Mesityl-1,3-dihydro-imidazole-2-selone and Bis(1-mesitylimidazol-2-yl)diselenide: A Experimental Evidence That the Selone Is More Stable Than the Selenol Tautomer. <i>Journal of the American Chemical Society</i> , 2006, 128, 12490-12497.	13.7	64
63	Tris(pyrazolyl)hydroboratomagnesium and aluminum alkyl derivatives: alkyl exchange with methyl iodide and enolate formation with acetone. <i>Journal of the American Chemical Society</i> , 1989, 111, 7276-7278.	13.7	62
64	The synthesis and structure of {[PimPri,But]ZnOH}(ClO ₄): a tris(imidazolyl)phosphine zinc hydroxide complex and a proposed structural model for carbonic anhydrase. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 1813.	2.0	62
65	Mechanistic and Theoretical Analysis of the Oxidative Addition of H ₂ to Six-Coordinate Molybdenum and Tungsten Complexes M(PMe ₃) ₄ X ₂ (M = Mo, W; X = F, Cl, Br, I): An Inverse Equilibrium Isotope Effect and an Unprecedented Halide Dependence. <i>Journal of the American Chemical Society</i> , 1999, 121, 11402-11417.	13.7	62
66	Terminal Sulfido, Selenido, and Tellurido Complexes of Tungsten. <i>Inorganic Chemistry</i> , 1995, 34, 6341-6361.	4.0	61
67	The synthesis and structural characterization of bis(mercaptoimidazolyl)(pyrazolyl)hydroborato and tris(mercaptoimidazolyl)hydroborato complexes of thallium(I) and thallium(III). <i>Dalton Transactions RSC</i> , 2000, , 1267-1274.	2.3	59
68	Syntheses of Mo(PMe ₃) ₆ and trans-Mo(PMe ₃) ₄ (E) ₂ (E = S, Se, Te): The First Series of Terminal Sulfido, Selenido, and Tellurido Complexes of Molybdenum. <i>Journal of the American Chemical Society</i> , 1995, 117, 3522-3528.	13.7	58
69	Carbonyl abstraction reactions of Cp*Mo(PMe ₃) ₃ H with CO ₂ , (CH ₂ O) _n , HCO ₂ H, and MeOH: the synthesis of Cp*Mo(PMe ₃) ₂ (CO)H and the catalytic decarboxylation of formic acid. <i>Journal of Organometallic Chemistry</i> , 2002, 642, 9-15.	1.8	58
70	Structural characterization of zinc bicarbonate compounds relevant to the mechanism of action of carbonic anhydrase. <i>Chemical Science</i> , 2012, 3, 2015.	7.4	58
71	Artificial manipulation of apparent bond lengths as determined by single-crystal x-ray diffraction. <i>Journal of the American Chemical Society</i> , 1991, 113, 8414-8418.	13.7	57
72	Unidentate versus bidentate coordination of nitrate ligands: relevance to carbonic anhydrase activity. <i>Journal of the American Chemical Society</i> , 1991, 113, 9707-9708.	13.7	57

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73	Bond-stretch isomerism in the chlorooxomolybdenum complexes cis-mer-MoOCl ₂ (PR ₃) ₃ : a reinvestigation. <i>Journal of the American Chemical Society</i> , 1992, 114, 2210-2218.	13.7	56
74	Elaboration of the bis(pyrazolyl)hydroborato ligand [BpBut,Pri] into the NNO donor ligand, [(MeO)BpBut,Pri]: Structural characterization of a complex in which the [(MeO)BpBut,Pri] ligand models the binding of zinc to the peptide backbone in thermolysin. <i>Polyhedron</i> , 1996, 15, 2463-2465.	2.2	56
75	Thiophene and Butadiene π -Thiolate Complexes of Molybdenum: Observations Relevant to the Mechanism of Hydrodesulfurization. <i>Journal of the American Chemical Society</i> , 2002, 124, 4182-4183.	13.7	56
76	Oxidative Addition of Dihydrogen to (η -6-Arene)Mo(PMe ₃) ₃ Complexes: Origin of the Naphthalene and Anthracene Effects. <i>Journal of the American Chemical Society</i> , 2006, 128, 5452-5461.	13.7	55
77	Hydrosilylation of Aldehydes and Ketones Catalyzed by a Terminal Zinc Hydride Complex, [I ^e ³-Tptm]ZnH. <i>Organometallics</i> , 2015, 34, 4717-4731.	2.3	54
78	The syntheses, structures and reactivity of bis(tert-butylcyclopentadienyl)molybdenum derivatives: nitrogen alkylation of an η -2-acetonitrile ligand and influence of the chalcogen on the barrier to inversion of chalcogenoether adducts. <i>Dalton Transactions RSC</i> , 2001, , 1732-1753.	2.3	53
79	False Minima in X-ray Structure Solutions Associated with a π -Partial Polar Ambiguity: A Single Crystal X-ray and Neutron Diffraction Studies on the Eight-Coordinate Tungsten Hydride Complexes, W(PMe ₃) ₄ H ₂ X ₂ (X = F, Cl, Br, I) and W(PMe ₃) ₄ H ₂ F(FHF). <i>Journal of the American Chemical Society</i> , 1998, 120, 4372-4387.	13.7	52
80	Synthesis and Structures of Zirconium π -Pyrrolyl Complexes: A Computational Analysis of the Factors That Influence the Coordination Modes of Pyrrolyl Ligands. <i>Organometallics</i> , 2002, 21, 587-589.	2.3	52
81	Carbon π -Sulfur Bond Cleavage and Hydrodesulfurization of Thiophenes by Tungsten. <i>Journal of the American Chemical Society</i> , 2011, 133, 3748-3751.	13.7	52
82	Theoretical investigation of the metal π -metal interaction in dimolybdenum complexes with bridging hydride and methyl ligands. <i>Polyhedron</i> , 2004, 23, 2879-2900.	2.2	51
83	Tris(pyrazolyl)hydroborato Complexes of Cadmium: A Bidentate Nitrate Derivative and Its Relevance to Carbonic Anhydrase Activity. <i>Inorganic Chemistry</i> , 1994, 33, 1158-1164.	4.0	50
84	Tris(3-t-butyl-5-methylpyrazolyl)hydroborato derivatives of copper and thallium: The structural influence of a 5-methyl substituent. <i>Polyhedron</i> , 1995, 14, 811-821.	2.2	49
85	Bis(permethylindenyl) Complexes of Thorium: Synthesis, Structure, and Reactivity. <i>Organometallics</i> , 2001, 20, 3255-3264.	2.3	49
86	A survey of terminal chalcogenido complexes of the transition metals: trends in their distribution and the variation of their M π -E bond lengths. <i>Polyhedron</i> , 1997, 16, 1031-1045.	2.2	47
87	Tris(mercaptoimidazolyl)hydroborato complexes of cobalt and iron, [TmPh] ₂ M (M=Fe, Co): structural comparisons with their tris(pyrazolyl)hydroborato counterparts. <i>Polyhedron</i> , 2001, 20, 1891-1896.	2.2	47
88	Synthesis, Structure, and Reactivity of Two-Coordinate Mercury Alkyl Compounds with Sulfur Ligands: Relevance to Mercury Detoxification. <i>Inorganic Chemistry</i> , 2009, 48, 6763-6772.	4.0	47
89	Synthetic, structural, and mechanistic studies of the carbon-hydrogen bond activation of phenols by tungsten complexes W(PMe ₃) ₆ and W(PMe ₃) ₄ (η -2-CH ₂ PMe ₂)H. <i>Journal of the American Chemical Society</i> , 1992, 114, 4611-4621.	13.7	46
90	Mechanistic study of the oxidative addition of dihydrogen to tetrakis(trimethylphosphine)diiodotungsten: observation of an inverse equilibrium isotope effect. <i>Journal of the American Chemical Society</i> , 1993, 115, 353-354.	13.7	45

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91	The synthesis and molecular structure of [TmPh] ₂ Pb: a complex with an η^{-} -inverted η^{TM} η^4 -coordination mode for the tris(2-mercapto-1-phenylimidazolyl)hydroborato ligand. <i>Inorganic Chemistry Communication</i> , 2000, 3, 534-536.	3.9	45
92	Tris(pyrazolyl)hydroboratozinc alkyl derivatives: direct comparison of the reactivity of Zn-C and Mg-C bonds. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 220.	2.0	44
93	Non-classical carbonyl complexes of zirconium: The syntheses, characterization, and reactivities of (η^5 -C ₅ Me ₅) ₂ Zr(η^2 -E ₂)(CO) (E \rightarrow S, Se, Te). <i>Polyhedron</i> , 1995, 14, 25-44.	2.2	44
94	A zinc hydroxide complex of relevance to 5-aminolevulinatase dehydratase: The synthesis, structure and reactivity of the tris(2-mercapto-1-phenylimidazolyl)hydroborato complex [TmPh]ZnOH. <i>Inorganic Chemistry Communication</i> , 2001, 4, 126-129.	3.9	44
95	Applications of deuterium isotope effects for probing aspects of reactions involving oxidative addition and reductive elimination of H α -H and C α -H bonds. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2007, 50, 1088-1114.	1.0	44
96	Phenyl tris(3-tert-butylpyrazolyl)borato complexes of lithium and thallium, [PhTpBut]M (M = Li, Tl): a novel structure for a monomeric tris(pyrazolyl)boratothallium complex and a study of its stereochemical nonrigidity by ¹ H and ²⁰⁵ Tl NMR spectroscopy. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 1929-1936.	1.1	43
97	Factors Influencing the Thermodynamics of Zinc Alkoxide Formation by Alcoholysis of the Terminal Hydroxide Complex, [TpBut ₂ Me]ZnOH: An Experimental and Theoretical Study Relevant to the Mechanism of Action of Liver Alcohol Dehydrogenase. <i>Journal of the American Chemical Society</i> , 2000, 122, 12651-12658.	13.7	43
98	Phosphorus-Bridged ansa-Metallocene Complexes of Titanium, Zirconium, and Hafnium: The Syntheses and Structures of [PhP(C ₅ Me ₄) ₂]MX ₂ and [Ph(E)P(C ₅ Me ₄) ₂]MX ₂ (E = O, S, Se) Derivatives. <i>Organometallics</i> , 1999, 18, 6-9.	2.3	42
99	Methyl, hydrochalcogenido, and phenylchalcogenolate complexes of zinc in a sulfur rich coordination environment: syntheses and structural characterization of the tris(2-mercapto-1-tert-butylimidazolyl)hydroboratozinc complexes [TmBut]ZnMe, [TmBut]ZnEH (E = S, Tj ETQq1 1 ⁴ 0:784314 ² rgBT /O		
100	The Synthesis and Structural Characterization of the Sterically Demanding Tris(3,5-di- <i>t</i> -butylpyrazolyl) hydroborato Ligand, [Tp ^{sup} Bu ^{sup} t ^{sub} 2 ^{sub}] ^{sup} : A Highly Twisted, Propeller-Like, Ligand System. <i>Main Group Chemistry</i> , 1995, 1, 29-52.	0.8	41
101	Bis- and Tris(pyrazolyl)hydroborato Ligands with Bulky Triptycyl Substituents: The Synthesis and Structural Characterization of Tl[BpTrip] and Tl[TpTrip]. <i>Inorganic Chemistry</i> , 1997, 36, 3787-3790.	4.0	41
102	<i>p</i> -tert-Butylcalix[4]arene Complexes of Molybdenum and Tungsten: Reactivity of the Calixarene Methylene CH Bond and the Facile Migration of the Metal around the Phenolic Rim of the Calixarene. <i>Journal of the American Chemical Society</i> , 2006, 128, 16358-16364.	13.7	41
103	A New Class of Transition Metal Pincer Ligand: Tantalum Complexes that Feature a [<i>CCC</i>] ₃ -Donor Array Derived from a Terphenyl Ligand. <i>Journal of the American Chemical Society</i> , 2012, 134, 2355-2366.	13.7	41
104	The syntheses, structures, and reactivity of monomeric tungsten(IV) and tungsten(VI) bis(sulfido) complexes: facile elimination of hydrogen from hydrogen sulfide. <i>Journal of the American Chemical Society</i> , 1991, 113, 5904-5905.	13.7	40
105	Molecular Structure of $\{ \eta^3\text{-HB(pz)}_3 \}$ ZnNO ₃ : Comparison between Theory and Experiment in a Model Carbonic Anhydrase System. <i>Inorganic Chemistry</i> , 1994, 33, 1234-1237.	4.0	40
106	Comparison of Zinc and Cadmium Coordination Environments in Synthetic Analogues of Carbonic Anhydrase: Synthesis and Structure of {[PimPri,But]Cd(OH ₂)(OC(O)O)}(ClO ₄). <i>Inorganic Chemistry</i> , 1996, 35, 6912-6913.	4.0	40
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