Gerard Parkin

List of Publications by Year
in descending order

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259 papers	14,165 citations	22548 61 h-index	32181 105 g-index
267 all docs	267 docs citations	267 times ranked	9101 citing authors

#	Article	IF	Citations
1	Impact of the coordination of multiple Lewis acid functions on the electronic structure and vⁿconfiguration of a metal center. Dalton Transactions, 2022, 51, 411-427.	1.6	5
2	Synthesis and structural characterization of thallium and cadmium carbatrane compounds, [<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msup><mml:mrow><mml:mtext>Tism</mml:mtext></mml:mrow><mml:mrow><mml:msup><mml:mrow><mml:mml and [<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msup><mml:mrow><mml:mtext>Tism</mml:mtext>. Polyhedron, 2022, 222, 115642.	1.0	2
3	Synthesis of bis(2-pyridylthio)methyl zinc hydride and catalytic hydrosilylation and hydroboration of CO₂. Chemical Communications, 2022, 58, 4188-4191.	2.2	11
4	Catalytic reduction of carbon dioxide by a zinc hydride compound, [Tptm]ZnH, and conversion to the methanol level. Dalton Transactions, 2022, 51, 5868-5877.	1.6	4
5	Hydrosilyation of CO₂ using a silatrane hydride: structural characterization of a silyl formate compound. Canadian Journal of Chemistry, 2021, 99, 259-267.	0.6	7
6	Structure and Bonding of 1,2,4-Triazole Thiones Derived from Nitron. Journal of Molecular Structure, 2021, 1231, 129682.	1.8	2
7	Synthesis, Structure, and Reactivity of a Terminal Cadmium Hydride Compound, [Iª³-Tism^{PrⁱBenz}]CdH. Journal of the American Chemical Society, 2021, 143, 10553-10559.	6.6	12
8	N-Heterocyclic Carbene Complexes of Nickel, Palladium, and Iridium Derived from Nitron: Synthesis, Structures, and Catalytic Properties. Organometallics, 2021, 40, 166-183.	1.1	15
9	Rhenium versus cadmium: an alternative structure for a thermally stable cadmium carbonyl compound. Chemical Science, 2020, 11, 11763-11776.	3.7	8
10	Synthesis and structural characterization of bis(2-pyridylthio)(p-tolylthio)methyl zinc complexes and the catalytic hydrosilylation of CO2. Polyhedron, 2020, 187, 114542.	1.0	14
11	Representation of Three-Centerâ€“Two-Electron Bonds in Covalent Molecules with Bridging Hydrogen Atoms. Journal of Chemical Education, 2019, 96, 2467-2475.	1.1	11
12	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. Journal of the American Chemical Society, 2019, 141, 17754-17762.	6.6	68
13	Reactivity of the carbodiphosphorane, (Ph₃P)₂C, towards main group metal alkyl compounds: coordination and cyclometalation. Dalton Transactions, 2019, 48, 9139-9151.	1.6	11
14	Reactivity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mo stretchy="false">[</mml:mo><mml:msup><mml:mrow><mml:mtext>Tism</mml:mtext></mml:mrow><mml:mrow><mml:msup><mml:mrow><mml:mml:mo stretchy="false">]</mml:mo></mml:mrow></mml:math>MgMe towards secondary amines and terminal alkynes: Catalytic dehydrocoupling with hydrosilanes. Inorganica Chimica Acta, 2019, 494, 271-279.	1.2	25
15	Coordination of 1-methyl-1,3-dihydro-2H-benzimidazole-2-selone to zinc and cadmium: Monotonic and non-monotonic bond length variations for [H(sebenzimMe)]2MCl2 complexes (Mâ€¯=â€¯Zn, Cd, Hg). Polyhedron, 2019, 164, 185-194.	1.0	3
16	Organometallic Zirconium Compounds in an Oxygen-Rich Coordination Environment: Synthesis and Structural Characterization of Tris(oxoimidazolyl)hydroboratozirconium Compounds. Inorganic Chemistry, 2018, 57, 1426-1437.	1.9	5
17	Zerovalent Nickel Compounds Supported by 1,2-Bis(diphenylphosphino)benzene: Synthesis, Structures, and Catalytic Properties. Inorganic Chemistry, 2018, 57, 374-391.	1.9	20
18	Synthesis and Structural Characterization of Tris(isopropylbenzimidazol-2-ylthio)methyl Zinc Complexes, [Titm^{PrⁱBenz}]ZnX: Modulation of Transannular Znâ€“C Interactions. Organometallics, 2018, 37, 1708-1718.	1.1	20

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19	Insertion of CS₂into the Mgâ€“H bond: synthesis and structural characterization of the magnesium dithioformate complex, [Tism^{PriBenz}]Mg(Î¹²-S₂CH). Dalton Transactions, 2018, 47, 12596-12605.	1.6	8
20	Reactivity of Cyclopentadienyl Molybdenum Compounds towards Formic Acid: Structural Characterization of CpMo(PMe₃)(CO)₂H, CpMo(PMe₃)₂(CO)H, [CpMo(Î¼-O)(Î¼-O₂CH)]₂, and [Cp*Mo(Î¼-O)(Î¼-O₂CH)]₂. Inorganic Chemistry, 2017, 56, 1511-1523.	1.9	8
21	Flexibility of the Carbodiphosphorane, (Ph₃P)₂C: Structural Characterization of a Linear Form. Inorganic Chemistry, 2017, 56, 5493-5497.	1.9	24
22	Tris[(1-isopropylbenzimidazol-2-yl)dimethylsilyl]methyl metal complexes, [Tism^{PriBenz}]M: a new class of metallacarbatranes, isomerization to a tris(N-heterocyclic carbene) derivative, and evidence for an inverted ligand field. Chemical Science, 2017, 8, 4465-4474.	3.7	27
23	Tris(2-mercaptoimidazolyl)hydroborato Cadmium Thiolate Complexes, [Tm^{Bu^t}]CdSAr: Thiolate Exchange at Cadmium in a Sulfur-Rich Coordination Environment. Inorganic Chemistry, 2017, 56, 4643-4653.	1.9	11
24	Synthesis, Structure, and Reactivity of a Terminal Magnesium Hydride Compound with a Carbatrane Motif, [Tism^{PrⁱBenz}]MgH: A Multifunctional Catalyst for Hydrosilylation and Hydroboration. Journal of the American Chemical Society, 2017, 139, 13264-13267.	6.6	107
25	Zinc and Magnesium Catalysts for the Hydrosilylation of Carbon Dioxide. Journal of the American Chemical Society, 2017, 139, 18162-18165.	6.6	128
26	Bis- and Tris(2-oxobenzimidazolyl)hydroborato Complexes of Sodium and Thallium: New Classes of Bidentate and Tridentate Oxygen Donor Ligands. Inorganic Chemistry, 2017, 56, 15271-15284.	1.9	8
27	Synthesis and structural characterization of tris(pyrazolyl)hydroaluminate and tris(pyrazolyl)hydrogallate lithium compounds. Polyhedron, 2017, 125, 219-229.	1.0	14
28	Molecular structures of tris(1-tert-butyl-2-mercaptoimidazolyl)hydroborate complexes of titanium, zirconium and hafnium. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 806-812.	0.2	3
29	The classification and representation of main group element compounds that feature three-center four-electron interactions. Dalton Transactions, 2016, 45, 18784-18795.	1.6	37
30	Cadmium Compounds with an [N₃C] Atrane Motif: Evidence for the Generation of a Cadmium Hydride Species. Inorganic Chemistry, 2016, 55, 12105-12109.	1.9	16
31	Modulation of Znâ€“C Bond Lengths Induced by Ligand Architecture in Zinc Carbatrane Compounds. Journal of the American Chemical Society, 2016, 138, 14542-14545.	6.6	23
32	Structural characterization of the nickel(II) formate complex, Ni(py)4(O2CH)2Â·2py, and re-evaluation of the nitrate counterpart, Ni(py)4(ONO2)2Â·2py: Evidence for non-linear nitrate coordination. Polyhedron, 2016, 116, 189-196.	1.0	10
33	Nickel-catalyzed release of H₂from formic acid and a new method for the synthesis of zerovalent Ni(PMe₃)₄. Dalton Transactions, 2016, 45, 14645-14650.	1.6	40
34	Synthesis of a terminal zinc hydride compound, [<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mtext>T</mml:mtext><mml:msup><mml:mrow><mml:mtext>p</mml:mtext></mml:mrow><mml:mrow><mml from a hydroxide derivative, [<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML. Polyhedron, 2016, 103, 135-140.	1.0	17
35	Synthesis, structure and reactivity of a terminal magnesium fluoride compound, [TpBut,Me]MgF: hydrogen bonding, halogen bonding and Câ€“F bond formation. Chemical Science, 2016, 7, 142-149.	3.7	25
36	The Covalent Bond Classification Method and Its Application to Compounds That Feature 3-Center 2-Electron Bonds. Structure and Bonding, 2016, , 79-139.	1.0	15

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37	Phenylselenolate mercury alkyl compounds, PhSeHgMe and PhSeHgEt: Molecular structures, protolytic Hgâ€“C bond cleavage and phenylselenolate exchange. Polyhedron, 2016, 103, 307-314.	1.0	6
38	Synthesis, structure and reactivity of [Tm^{But}]ZnH, a monomeric terminal zinc hydride compound in a sulfur-rich coordination environment: access to a heterobimetallic compound. Chemical Communications, 2016, 52, 2358-2361.	2.2	20
39	Influence of benzannulation on metal coordination geometries: Synthesis and structural characterization of tris(2-mercapto-1-methylbenzimidazolyl)hydroborato cadmium bromide, {[TmMeBenz]Cd(Î¼-Br)}2. Journal of Molecular Structure, 2015, 1081, 530-535.	1.8	7
40	Dehydrogenation, disproportionation and transfer hydrogenation reactions of formic acid catalyzed by molybdenum hydride compounds. Chemical Science, 2015, 6, 1859-1865.	3.7	80
41	Synthesis and Structures of Cadmium Carboxylate and Thiocarboxylate Compounds with a Sulfur-Rich Coordination Environment: Carboxylate Exchange Kinetics Involving Tris(2-mercapto-1-t-butylimidazolyl)hydroborato Cadmium Complexes, [Tm^{Bu^t}]Cd(O₂CR). Inorganic Chemistry, 2015, 54, 3835-3850.	1.9	20
42	Protolytic Cleavage of Hgâ€“C Bonds Induced by 1-Methyl-1,3-dihydro-2H-benzimidazole-2-selone: Synthesis and Structural Characterization of Mercury Complexes. Journal of the American Chemical Society, 2015, 137, 4503-4516.	6.6	33
43	Exchange of alkyl and tris(2-mercapto-1-t-butylimidazolyl)hydroborato ligands between zinc, cadmium and mercury. Journal of Organometallic Chemistry, 2015, 792, 177-183.	0.8	5
44	Hydrosilylation of Aldehydes and Ketones Catalyzed by a Terminal Zinc Hydride Complex, [Îº³-Tptm]ZnH. Organometallics, 2015, 34, 4717-4731.	1.1	54
45	Oxidative addition of SiH₄and GeH₄to Ir(PPh₃)₂(CO)Cl: structural and spectroscopic evidence for the formation of products derived from cis oxidative addition. Dalton Transactions, 2015, 44, 2801-2808.	1.6	2
46	Application of the Covalent Bond Classification Method for the Teaching of Inorganic Chemistry. Journal of Chemical Education, 2014, 91, 807-816.	1.1	152
47	Benzannulated tris(2-mercapto-1-imidazolyl)hydroborato ligands: tetradentate Îº4-S3H binding and access to monomeric monovalent thallium in an [S3] coordination environment. Dalton Transactions, 2014, 43, 1397-1407.	1.6	17
48	Molecular structures of tris(2-mercapto-1-tert-butylimidazolyl)hydroborato and tris(2-mercapto-1-adamantylimidazolyl)hydroborato sodium complexes: analysis of [TmR] ligand coordination modes and conformations. Dalton Transactions, 2014, 43, 10852.	1.6	19
49	Synthesis and structural characterization of tris(2-mercapto-1-methylbenzimidazolyl)hydroborato cadmium halide complexes, {[Tm^{MeBenz}]Cd(Î¼-Cl)}₂and [Tm^{MeBenz}]CdI: a rare example of cadmium in a trigonal bipyramidal sulfur-rich coordination environment. Dalton Transactions, 2014, 43, 13874.	1.6	21
50	Synthesis and structural characterization of 1-arylimidazole-2-thiones and N,Nâ€²-aryldiethoxyethylthioureas with electronically diverse substituents: a manifold of hydrogen bonding networks. New Journal of Chemistry, 2014, 38, 4071.	1.4	6
51	Molecular structure of W(PMe3)3H6 in the solid state and in solution. Inorganica Chimica Acta, 2014, 422, 102-108.	1.2	2
52	Reduction of bicarbonate and carbonate to formate in molecular zinc complexes. Catalysis Science and Technology, 2014, 4, 1578.	2.1	25
53	Trinuclear, tetranuclear and octanuclear chalcogenido clusters of molybdenum and tungsten supported by trimethylphosphine ligands. Polyhedron, 2014, 84, 74-86.	1.0	7
54	Siâ€“H and Siâ€“C Bond Cleavage Reactions of Silane and Phenylsilanes with Mo(PMe₃)₆: Silyl, Hypervalent Silyl, Silane, and Disilane Complexes. Journal of the American Chemical Society, 2014, 136, 8177-8180.	6.6	22

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55	Synthesis and Structural Characterization of Bis(2-oxoimidazolyl)hydroborato Complexes: A New Class of Bidentate Oxygen-Donor Ligands. Inorganic Chemistry, 2013, 52, 10226-10228.	1.9	6
56	The Synthesis and Structures of Tris(2-pyridylseleno)methyl Zinc Compounds with Îº2-, Îº3-, and Îº4-Coordination Modes. Australian Journal of Chemistry, 2013, 66, 1306.	0.5	21
57	Structural characterization of tris(pyrazolyl)hydroborato and tris(2-pyridylthio)methyl lithium compounds: Lithium in uncommon trigonal pyramidal and trigonal monopyramidal coordination environments. Polyhedron, 2013, 58, 235-246.	1.0	21
58	Synthesis, Structure, and Reactivity of a Terminal Organozinc Fluoride Compound: Hydrogen Bonding, Halogen Bonding, and Donorâ€“Acceptor Interactions. Journal of the American Chemical Society, 2013, 135, 18714-18717.	6.6	37
59	Synthesis and structural characterization of tris(2-pyridonyl)methyl complexes of zinc and thallium: a new class of metallacarbatranes and a monovalent thallium alkyl compound. Dalton Transactions, 2013, 42, 14053.	1.6	13
60	2-Seleno-1-alkylbenzimidazoles and their diselenides: Synthesis and structural characterization of a 2-seleno-1-methylbenzimidazole complex of mercury. Polyhedron, 2013, 52, 658-668.	1.0	22
61	Synthesis and structural characterization of bis and tris(2-mercapto-1-methylbenzimidazolyl)hydroborato complexes: benzannulation promotes Îº3-coordination. Dalton Transactions, 2013, 42, 11117.	1.6	17
62	Structural Characterization of 2-Imidazolones: Comparison with their Heavier Chalcogen Counterparts. Inorganic Chemistry, 2013, 52, 7172-7182.	1.9	40
63	Gallium hydride and monovalent indium compounds that feature tris(pyrazolyl)hydroborate ligands. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 963-967.	0.4	11
64	Highly Variable Zrâ€“CH₂â€“Ph Bond Angles in Tetrabenzylzirconium: Analysis of Benzyl Ligand Coordination Modes. Organometallics, 2012, 31, 8208-8217.	1.1	39
65	A New Class of Transition Metal Pincer Ligand: Tantalum Complexes that Feature a [CCC] X₃-Donor Array Derived from a Terphenyl Ligand. Journal of the American Chemical Society, 2012, 134, 2355-2366.	6.6	41
66	Zinc Catalysts for On-Demand Hydrogen Generation and Carbon Dioxide Functionalization. Journal of the American Chemical Society, 2012, 134, 17462-17465.	6.6	227
67	The occurrence and representation of three-centre two-electron bonds in covalent inorganic compounds. Chemical Communications, 2012, 48, 11481.	2.2	245
68	Structural characterization of zinc bicarbonate compounds relevant to the mechanism of action of carbonic anhydrase. Chemical Science, 2012, 3, 2015.	3.7	58
69	Low temperature NMR spectroscopic investigation of a zinc bicarbonate compound: Thermodynamics of bicarbonate formation by insertion of CO2 into the zinc hydroxide bond of []ZnOH. Polyhedron, 2012, 32, 41-48.	1.0	20
70	Carbonâ^'Sulfur Bond Cleavage and Hydrodesulfurization of Thiophenes by Tungsten. Journal of the American Chemical Society, 2011, 133, 3748-3751.	6.6	52
71	Synthesis and structural characterization of tris(2-oxo-1-tert-butylimidazolyl) and tris(2-oxo-1-methylbenzimidazolyl)hydroborato complexes: a new class of tripodal oxygen donor ligand. Chemical Communications, 2011, 47, 3123.	2.2	29
72	Synthesis and Structural Characterization of Tris(2-mercapto-1-adamantylimidazolyl)hydroborato Complexes: A Sterically Demanding Tripodal [S₃] Donor Ligand. Inorganic Chemistry, 2011, 50, 12284-12295.	1.9	28

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73	Formation of a cationic alkylidene complex via formal hydride abstraction: synthesis and structural characterization of [W(PMe3)4(Î·2-CHPMe2)H]X (X = Br, I). Chemical Communications, 2011, 47, 12828.	2.2	12
74	Synthesis, Structure, and Reactivity of a Mononuclear Organozinc Hydride Complex: Facile Insertion of CO₂ into a Znâ€“H Bond and CO₂-Promoted Displacement of Siloxide Ligands. Journal of the American Chemical Society, 2011, 133, 9708-9711.	6.6	113
75	Modeling aspects of hydrodesulfurization by molybdenum hydride compounds: Desulfurization of thiophene and benzothiophene and Câ€“S bond cleavage of dibenzothiophene. Inorganica Chimica Acta, 2011, 369, 197-202.	1.2	19
76	Catenated Gallium Compounds Supported by a Tris(pyrazolyl)hydroborato Ligand. Journal of Cluster Science, 2010, 21, 225-234.	1.7	23
77	Molecular structures of three coordinate zinc and cadmium complexes that feature Î²-diketiminato and anilido-imine ligands. Polyhedron, 2010, 29, 1881-1890.	1.0	28
78	Tris(2-mercapto-1-tert-butylimidazolyl)hydroborato gallium derivatives: synthesis of di- and trigallium compounds in a sulfur-rich coordination environment. Chemical Science, 2010, 1, 210.	3.7	26
79	On the Chalcogenophilicity of Mercury: Evidence for a Strong Hgâ^'Se Bond in [Tm^{Bu^t}]HgSePh and Its Relevance to the Toxicity of Mercury. Journal of the American Chemical Society, 2010, 132, 647-655.	6.6	80
80	Metalâ€“Metal Bonding in Bridging Hydride and Alkyl Compounds. Structure and Bonding, 2010, , 113-145.	1.0	24
81	Bis(2-mercapto-1-R-imidazolyl)hydroborato complexes of aluminium, gallium, indium and thallium: compounds possessing galliumâ€“gallium bonds and a trivalent thallium alkyl. Dalton Transactions, 2010, 39, 6939.	1.6	13
82	2-Mercapto-1-t-butylimidazolyl as a bridging ligand: Synthesis and structural characterization of nickel and palladium paddlewheel complexes. Inorganica Chimica Acta, 2009, 362, 4609-4615.	1.2	23
83	Temperature-Dependent Transitions Between Normal and Inverse Isotope Effects Pertaining to the Interaction of Hâ^'H and Câ^'H Bonds with Transition Metal Centers. Accounts of Chemical Research, 2009, 42, 315-325.	7.6	120
84	Synthesis, Structure, and Reactivity of Two-Coordinate Mercury Alkyl Compounds with Sulfur Ligands: Relevance to Mercury Detoxification. Inorganic Chemistry, 2009, 48, 6763-6772.	1.9	47
85	Multiple Modes for Coordination of Phenazine to Molybdenum: Ring Fusion Promotes Access to Î·⁴-Coordination, Oxidative Addition of Dihydrogen and Hydrogenation of Aromatic Nitrogen Compounds. Journal of the American Chemical Society, 2009, 131, 7828-7838.	6.6	28
86	p-tert-Butyltetrathiatetramercaptocalix[4]arene as a sulfur-rich platform for molybdenum, tungsten and nickel. Chemical Communications, 2009, , 289-291.	2.2	15
87	Molecular structures of protonated and mercurated derivatives of thimerosal. Dalton Transactions, 2009, , 4327.	1.6	8
88	Coordination chemistry of molybdenum relevant to hydrodenitrogenation: Reactivity of Mo(PMe3)6 towards 6-membered heterocyclic aromatic nitrogen compounds involving Câ€“H bond cleavage and Î·6-coordination. Inorganica Chimica Acta, 2008, 361, 3221-3229.	1.2	13
89	Reactivity of the Niâ†'B dative Ïƒ-bond in the nickel boratrane compounds [Îº4-B(mimBut)3]NiX (X = Cl, OAc,) Tj ETQq1 1 0.784314 rgBT complexes, [YTmBut]NiZ. Chemical Communications, 2008, , 1008.	2.2	117
90	Monovalent indium in a sulfur-rich coordination environment: synthesis, structure and reactivity of tris(2-mercapto-1-tert-butylimidazolyl)hydroborato indium, [TmBut]In. Chemical Communications, 2008, , 3305.	2.2	30

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91	Mononuclear and Dinuclear Molybdenum and Tungsten Complexes of p-tert-Butyltetrathiacalix[4]arene and p-tert-Butyltetrasulfonylcalix[4]arene: Facile Cleavage of the Calixarene Ligand Framework by Nickel. Journal of the American Chemical Society, 2008, 130, 8617-8619.	6.6	32
92	Reactivity of Mo(PMe₃)₆ towards Benzothiophene and Selenophenes: New Pathways Relevant to Hydrodesulfurization. Journal of the American Chemical Society, 2008, 130, 16187-16189.	6.6	34
93	Molecular Structures of Thimerosal (Merthiolate) and Other Arylthiolate Mercury Alkyl Compounds. Inorganic Chemistry, 2008, 47, 6421-6426.	1.9	35
94	Tetrahedral nickel nitrosyl complexes with tripodal [N3] and [Se3] donor ancillary ligands: structural and computational evidence that a linear nitrosyl is a trivalent ligand. Dalton Transactions, 2007, , 820.	1.6	72
95	Applications of tripodal [S3] and [Se3] L2X donor ligands to zinc, cadmium and mercury chemistry: organometallic and bioinorganic perspectives. New Journal of Chemistry, 2007, 31, 1996.	1.4	73
96	Bis- and tris(2-seleno-1-methylimidazolyl)hydroborato complexes, {[BseMe]ZnX}2(X = Cl, I), [BseMe]2Zn and [TseMe]Re(CO)3: Structural evidence that the [BseMe] ligand is not merely a â€œheavierâ€•version of the sulfur counterpart, [BmMe]. Dalton Transactions, 2007, , 866-870.	1.6	32
97	Agostic interactions in transition metal compounds. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6908-6914.	3.3	965
98	Factors Influencing Coordination versus Oxidative Addition of Câ^'H Bonds to Molybdenum and Tungsten:Â Structural and Spectroscopic Evidence That the Calixarene Framework Promotes Câ^'H Bond Activation. Organometallics, 2007, 26, 3275-3278.	1.1	10
99	Cleaving Mercury-Alkyl Bonds: A Functional Model for Mercury Detoxification by MerB. Science, 2007, 317, 225-227.	6.0	107
100	Terminal Chalcogenido Complexes of the Transition Metals. Progress in Inorganic Chemistry, 2007, , 1-165.	3.0	31
101	Applications of deuterium isotope effects for probing aspects of reactions involving oxidative addition and reductive elimination of Hâ€“H and Câ€“H bonds. Journal of Labelled Compounds and Radiopharmaceuticals, 2007, 50, 1088-1114.	0.5	44
102	exo and endo Isomerism of subvalent tin and germanium complexes derived from 1,3-diethers of p-tert-butylcalix[4]arene. Tetrahedron, 2007, 63, 10826-10833.	1.0	25
103	Synthesis and structural characterization of tris(phenolate)amine complexes of antimony derived from. Inorganic Chemistry Communication, 2007, 10, 699-704.	1.8	11
104	Synthesis and structural characterization of [BseMe]Ni(PPh3)(NO), a nickel complex with a bent nitrosyl ligand. Polyhedron, 2007, 26, 4751-4757.	1.0	36
105	Applications of Bis(1-R-imidazol-2-yl)disulfides and Diselenides as Ligands for Main-Group and Transition Metals:â€‰Î²2-(N,N) Coordination, Sâ^'S Bond Cleavage, and Sâ^'S/Eâ^'E (E = S, Se) Bond Metathesis Reactions. Inorganic Chemistry, 2007, 46, 9234-9244.	1.9	25
106	Methyl and arylchalcogenolate complexes of cadmium in a sulfur rich coordination environment: syntheses and structural characterization of the tris(2-mercapto-1-tert-butylimidazolyl)hydroborato cadmium complexes [TmBut]CdMe, and [TmBut]CdEAr (E = O, S, Se, Te) and analysis of the bonding in chalcogenolate compounds. Dalton Transactions, 2006, , 4207.	1.6	22
107	A normal equilibrium isotope effect for oxidative addition of H2to (Î·6-anthracene)Mo(PMe3)3. Chemical Communications, 2006, , 2501-2503.	2.2	12
108	Palladium complexes with Pdâ†'B dative bonds: Analysis of the bonding in the palladaboratrane compound [Îº4-B(mimBut)3]Pd(PMe3). Chemical Communications, 2006, , 5015-5017.	2.2	118

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109	Synthesis and structural characterization of tris(2-seleno-1-mesitylimidazolyl) hydroborato complexes: A new type of strongly electron donating tripodal selenium ligand. Chemical Communications, 2006, , 3990.	2.2	66
110	Valence, Oxidation Number, and Formal Charge: Three Related but Fundamentally Different Concepts. Journal of Chemical Education, 2006, 83, 791.	1.1	145
111	Synthesis and Structural Characterization of 1-Mesityl-1,3-dihydro-imidazole-2-selone and Bis(1-mesitylimidazol-2-yl)diselenide:Â Experimental Evidence That the Selone Is More Stable Than the Selenol Tautomer. Journal of the American Chemical Society, 2006, 128, 12490-12497.	6.6	64
112	Cp[TmMe]ZrCl2, a Tris(2-mercapto-1-methylimidazolyl)hydroborato Complex of Zirconium and a New Type of Precatalyst for Olefin Polymerization. Organometallics, 2006, 25, 5496-5499.	1.1	28
113	Reactivity of the Metalâ†'BX3 Dative Ïƒ-Bond:â€‰ 1,2-Addition Reactions of the Feâ†'BX3 Moiety of the Ferraboratrane Complex [Î·4-B(mimBut)3]Fe(CO)2. Inorganic Chemistry, 2006, 45, 7056-7058.	1.9	188
114	Oxidative Addition of Dihydrogen to (Î·6-Arene)Mo(PMe3)3Complexes: Origin of the Naphthalene and Anthracene Effects. Journal of the American Chemical Society, 2006, 128, 5452-5461.	6.6	55
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