

# Philip P Power

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5392813/philip-p-power-publications-by-citations.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

477 papers	29,114 citations	89 h-index	141 g-index
489 ext. papers	31,906 ext. citations	9.2 avg, IF	7.51 L-index

#	Paper	IF	Citations
477	Main-group elements as transition metals. <i>Nature</i> , <b>2010</b> , 463, 171-7	50.4	1011
476	pi-Bonding and the Lone Pair Effect in Multiple Bonds between Heavier Main Group Elements. <i>Chemical Reviews</i> , <b>1999</b> , 99, 3463-3504	68.1	926
475	Pi-bonding and the lone pair effect in multiple bonds involving heavier main group elements: developments in the new millennium. <i>Chemical Reviews</i> , <b>2010</b> , 110, 3877-923	68.1	847
474	Synthesis of a stable compound with fivefold bonding between two chromium(I) centers. <i>Science</i> , <b>2005</b> , 310, 844-7	33.3	463
473	Slow magnetization dynamics in a series of two-coordinate iron(II) complexes. <i>Chemical Science</i> , <b>2013</b> , 4, 125-138	9.4	455
472	Persistent and stable radicals of the heavier main group elements and related species. <i>Chemical Reviews</i> , <b>2003</b> , 103, 789-810	68.1	388
471	Facile activation of dihydrogen by an unsaturated heavier main group compound. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 12232-3	16.4	381
470	A quantum chemical study of the quintuple bond between two chromium centers in [PhCrCrPh]: trans-bent versus linear geometry. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 3804-7	16.4	294
469	Synthesis and Characterization of 2,6-Trip2H3C6PbPbC6H3-2,6-Trip2 (Trip = C6H2-2,4,6-i-Pr3): A Stable Heavier Group 14 Element Analogue of an Alkyne. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 3524-3525	16.4	294
468	Synthesis and characterization of a digermanium analogue of an alkyne. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 1785-7	16.4	258
467	Synthesis and characterization of the monomer Ga{(NDipp)CMe)2CH} (Dipp = C6H3Pri2-2,6): a low valent gallium(I) carbene analogue. <i>Chemical Communications</i> , <b>2000</b> , 1991-1992	5.8	252
466	Synthesis and Characterization of the Monomeric Diaryls M{C6H3-2,6-Mes2}2 (M = Ge, Sn, or Pb; Mes = 2,4,6-Me3C6H2) and Dimeric Arylmetal Chlorides [M(Cl){C6H3-2,6-Mes2}]2 (M = Ge or Sn). <i>Organometallics</i> , <b>1997</b> , 16, 1920-1925	3.8	243
465	Homologous Series of Heavier Element Dipnictenes 2,6-Ar2H3C6E=EC6H3-2,6-Ar2 (E = P, As, Sb, Bi; Ar = Mes = C6H2-2,4,6-Me3; or Trip = C6H2-2,4,6-i-Pr3) Stabilized by m-Terphenyl Ligands. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 3357-3367	16.4	241
464	Bonding and Reactivity of Heavier Group 14 Element Alkyne Analogues. <i>Organometallics</i> , <b>2007</b> , 26, 4362-4372	16.4	236
463	Interaction of multiple bonded and unsaturated heavier main group compounds with hydrogen, ammonia, olefins, and related molecules. <i>Accounts of Chemical Research</i> , <b>2011</b> , 44, 627-37	24.3	232
462	Synthesis and characterization of 2,6-Dipp(2)-H(3)C(6)SnSnC(6)H(3)-2,6-Dipp(2) (Dipp = C(6)H(3)-2,6-Pr(i)(2)): a tin analogue of an alkyne. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 5930-1	16.4	232
461	Multiple bonding in heavier element compounds stabilized by bulky terphenyl ligands. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 10047-64	5.1	227

- 460 Germanium and tin analogues of alkynes and their reduction products. *Journal of the American Chemical Society*, **2003**, 125, 11626-36 16.4 208
- 459 Structures, bonding, and reaction chemistry of the neutral organogallium(II) compounds (GaAr)<sub>n</sub> (n = 1 or 2) (Ar = terphenyl or related ligand): an experimental investigation of Ga-Ga multiple bonding. *Journal of the American Chemical Society*, **2003**, 125, 2667-79 16.4 207
- 458 London dispersion forces in sterically crowded inorganic and organometallic molecules. *Nature Reviews Chemistry*, **2017**, 1, 34.6 204
- 457 Stable two-coordinate, open-shell (d<sup>1</sup>-d<sup>9</sup>) transition metal complexes. *Chemical Reviews*, **2012**, 112, 3482-507 198
- 456 Reaction of hydrogen or ammonia with unsaturated germanium or tin molecules under ambient conditions: oxidative addition versus arene elimination. *Journal of the American Chemical Society*, **2009**, 131, 16272-82 16.4 195
- 455 Diarylstannylene activation of hydrogen or ammonia with arene elimination. *Journal of the American Chemical Society*, **2008**, 130, 12268-9 16.4 190
- 454 Synthesis and Structures of Monomeric Divalent Germanium and Tin Compounds Containing a Bulky Diketiminato Ligand. *Organometallics*, **2001**, 20, 1190-1194 3.8 182
- 453 Three-coordinate iron complexes: x-ray structural characterization of the iron amide-bridged dimers [Fe(NR<sub>2</sub>)<sub>2</sub>]<sub>2</sub> (R = SiMe<sub>3</sub>, C<sub>6</sub>H<sub>5</sub>) and the adduct Fe[N(SiMe<sub>3</sub>)<sub>2</sub>]<sub>2</sub>(THF) and determination of the association energy of the monomer Fe[N(SiMe<sub>3</sub>)<sub>2</sub>]<sub>2</sub> in solution. *Inorganic Chemistry*, **1991**, 30, 2547-2551 5.1 180
- 452 Silicon, germanium, tin and lead analogues of acetylenes. *Chemical Communications*, **2003**, 2091-101 5.8 171
- 451 The chemistry of boron and its speciation in plants. *Plant and Soil*, **1997**, 193, 1-13 4.2 170
- 450 Isolation and structural characterization of unsolvated lithium aryls. *Journal of the American Chemical Society*, **1993**, 115, 11353-11357 16.4 167
- 449 Isolation and Reduction of Sterically Encumbered Arylboron Dihalides: Novel Boranediyl Insertion into C-Bonds. *Journal of the American Chemical Society*, **1996**, 118, 7981-7988 16.4 166
- 448 Boron-boron double bonding in the species [B<sub>2</sub>R<sub>4</sub>]<sup>2-</sup>: synthesis and structure of [(Et<sub>2</sub>O)Li]<sub>2</sub>[Mes<sub>2</sub>BB(Mes)Ph], a diborane(4) dianion analog of a substituted ethylene. *Journal of the American Chemical Society*, **1992**, 114, 2715-2717 16.4 158
- 447 Isolation and x-ray crystal structure of the boron methylenide ion [Mes<sub>2</sub>BCH<sub>2</sub>]<sup>-</sup> (Mes = 2,4,6-Me<sub>3</sub>C<sub>6</sub>H<sub>2</sub>): a boron-carbon double bonded alkene analog. *Journal of the American Chemical Society*, **1987**, 109, 2541-2542 16.4 156
- 446 Reversible reactions of ethylene with distannynes under ambient conditions. *Science*, **2009**, 325, 1668-70 33.3 155
- 445 Solution Synthesis of Alkyl- and Alkyl/Alkoxy-Capped Silicon Nanoparticles via Oxidation of Mg<sub>2</sub>Si. *Chemistry of Materials*, **2003**, 15, 4005-4011 9.6 155
- 444 Reactions of trimethylaluminum or trimethylgallium with bulky primary amines: structural characterization of the thermolysis products. *Journal of the American Chemical Society*, **1991**, 113, 3385-3393 16.4 154
- 443 Synthesis and characterization of the non-Kekulé singlet biradicaloid Ar'Ge(micro-NSiMe(3))(2)GeAr' (Ar' = 2,6-Dipp(2)C(6)H(3), Dipp = 2,6-i-Pr(2)C(6)H(3)). *Journal of the American Chemical Society*, **2004**, 126, 6510-1 16.4 153

442	Reactions of the heavier group 14 element alkyne analogues Ar'EEAr' (Ar' = C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>3</sub> -2,6-Pri <sub>2</sub> ) <sub>2</sub> ; E = Ge, Sn) with unsaturated molecules: probing the character of the EE multiple bonds. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 17530-41	16.4	152
441	Isolation of a stable, acyclic, two-coordinate silylene. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 6504-7	16.4	143
440	Molecular structures of the main group 4 metal(II) bis(trimethylsilyl)-amides M[N(SiMe <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> in the crystal (X-ray) and vapour (gas-phase electron diffraction). <i>Journal of the Chemical Society Chemical Communications</i> , <b>1983</b> , 639		141
439	Metallocalixarenes: syntheses and x-ray crystal structures of titanium(IV), iron(III), and cobalt(II) complexes of p-tert-butylcalix[4]arene. <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 8087-8091	16.4	141
438	( $\eta$ -C <sub>5</sub> H <sub>5</sub> )(CO) <sub>2</sub> MoGeC <sub>6</sub> H <sub>3</sub> -2,6-Mes <sub>2</sub> : A Transition-Metal Germylyne Complex. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 11966-11967	16.4	138
437	Reduction of a tetraaryldialane to generate aluminum-aluminum $\pi$ -bonding. <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 2983-2984	5.1	137
436	Substituent effects in formally quintuple-bonded ArCrCrAr compounds (Ar = terphenyl) and related species. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 11277-90	5.1	135
435	Element Derivatives of Sterically Encumbering Terphenyl Ligands. <i>Advances in Organometallic Chemistry</i> , <b>1999</b> , 44, 1-65	3.8	135
434	Addition of H <sub>2</sub> to distannynes under ambient conditions. <i>Chemical Communications</i> , <b>2008</b> , 6042-4	5.8	134
433	Synthesis and structure of the "dialuminyne" Na(2)[Ar'AlAlAr'] and Na(2)[(Ar''Al) <sub>3</sub> ]: Al--Al bonding in Al <sub>2</sub> Na <sub>2</sub> and Al <sub>3</sub> Na <sub>2</sub> clusters. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 5953-6	16.4	134
432	One-Electron Reductions of Organodiborane(4) Compounds: Singly Reduced Anions and Rearrangement Reactions. <i>Chemistry - A European Journal</i> , <b>2006</b> , 3, 368-375	4.8	132
431	The synthesis and structure of lithium derivatives of the sterically encumbered $\beta$ -diketiminato ligand [((2,6-Pri <sub>2</sub> H <sub>3</sub> C <sub>6</sub> )N(CH <sub>3</sub> )C <sub>2</sub> CH) <sub>2</sub> Li] and a modified synthesis of the aminoimine precursor. <i>Dalton Transactions RSC</i> , <b>2001</b> , 3465-3469		130
430	Synthesis and characterization of the homologous M-M bonded series Ar'MMAR' (M = Zn, Cd, or Hg; Ar' = C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>3</sub> -2,6-Pr(i) <sub>2</sub> ) <sub>2</sub> ) and related arylmetal halides and hydride species. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 10847-57	16.4	129
429	Isolation and crystal structures of the halide-free and halide-rich phenyllithium etherate complexes [(PhLi.Et <sub>2</sub> O) <sub>4</sub> ] and [(PhLi.Et <sub>2</sub> O) <sub>3</sub> .LiBr]. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 5320-5324	16.4	129
428	Some highlights from the development and use of bulky monodentate ligands. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 3904-3919	2.3	128
427	First structural characterization of a boron-centered radical: x-ray crystal structure of [Li(12-crown-4) <sub>2</sub> ] <sup>+</sup> [BMes <sub>3</sub> ] <sup>-</sup> . <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 4235-4236	16.4	128
426	Tl <sub>2</sub> [Aryl <sub>2</sub> P <sub>4</sub> ]: a thallium complexed diaryltetraphosphabutadienediide and its two-electron oxidation to a diaryltetraphosphabicyclobutane, aryl <sub>2</sub> p <sub>4</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 7729-33	16.4	127
425	Synthesis of Sterically Encumbered Terphenyls and Characterization of Their Metal Derivatives Et <sub>2</sub> OLiC <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> and Me <sub>2</sub> SCuC <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> (Trip = 2,4,6-i-Pr <sub>3</sub> C <sub>6</sub> H <sub>2</sub> -). <i>Organometallics</i> , <b>1996</b> , 15, 958-964	3.8	126

424	Monomeric $\text{InC}_6\text{H}_3\text{-2,6-Trip}_2$ (Trip = $\text{-C}_6\text{H}_2\text{-2,4,6-i-Pr}_3$ ) and Its Manganese Complex $(\text{C}_5\text{-C}_5\text{H}_5)(\text{CO})_2\text{MnInC}_6\text{H}_3\text{-2,6-Trip}_2$ : One-Coordinate Indium in the Solid State. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 2202-2203	16.4	116
423	Stable, Monomeric Imides of Aluminum and Gallium: Synthesis and Characterization of $[\{\text{HC}(\text{MeCDippN})\}\text{MN-2,6-Trip C H}]$ (M=Al or Ga; Dipp= $\text{2,6-iPr C H}$ ; Trip= $\text{2,4,6-iPr C H}$ ). <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 2172-2174	16.4	115
422	Synthesis and Structure of a Unique Monomeric $\pi$ -Bonded Aryllithium Compound Stabilized by a Weak Li $\pi$ Benzene Interaction. <i>Angewandte Chemie International Edition in English</i> , <b>1996</b> , 35, 2150-2152		113
421	Three-coordinate metal amides of manganese(II) and cobalt(II): synthesis and x-ray structure of the first tris(silylamide) of manganese and the x-ray crystal structures of $[\text{M}_2(\text{N}(\text{SiMe}_3)_2)_4]$ (M = Mn, Co). <i>Inorganic Chemistry</i> , <b>1984</b> , 23, 4584-4588	5.1	112
420	Addition of hydrogen or ammonia to a low-valent group 13 metal species at 25 degrees C and 1 atmosphere. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 2031-4	16.4	111
419	Complexes of Ni(i): a "rare" oxidation state of growing importance. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 5347-5399	58.5	110
418	Triple Bonding to Germanium: Characterization of the Transition Metal Germynes $(\text{C}_5\text{-C}_5\text{H}_5)(\text{CO})_2\text{MGe-C}_6\text{H}_3\text{-2,6-Mes}_2$ (M = Mo, W; Mes = $\text{C}_6\text{H}_2\text{-2,4,6-Me}_3$ ) and $(\text{C}_5\text{-C}_5\text{H}_5)(\text{CO})_2\text{MGe-C}_6\text{H}_3\text{-2,6-Trip}_2$ (M = Cr, Mo, W; Trip = $\text{C}_6\text{H}_2\text{-2,4,6-i-Pr}_3$ ) and the Related Single Bonded Metallagermylenes $(\text{C}_5\text{-C}_5\text{H}_5)(\text{CO})_3\text{MGe-C}_6\text{H}_3\text{-2,6-Trip}_2$ (M = Cr, W). <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 650-656	16.4	109
417	Sterically Encumbered Iron(II) Thiolate Complexes: Synthesis and Structure of Trigonal Planar $[\text{Fe}(\text{SR})_3]\text{-}$ (R = 2,4,6-t-Bu $_3$ C $_6$ H $_2$ ) and Moessbauer Spectra of Two- and Three-Coordinate Complexes. <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 1815-1822	5.1	108
416	Isolation and x-ray crystal structures of the mononuclear cuprates $[\text{CuMe}_2]\text{-}$ , $[\text{CuPh}_2]\text{-}$ , and $[\text{Cu}(\text{Br})\text{CH}(\text{SiMe}_3)_2]\text{-}$ . <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 4337-4338	16.4	108
415	Reduction of a Tetraaryldigallane to Afford a Radical Anion with Ga $\pi$ Ga Multiple Bonding Character. <i>Angewandte Chemie International Edition in English</i> , <b>1993</b> , 32, 717-719		107
414	Spontaneous generation of stable pnictinyl radicals from "jack-in-the-box" dipnictines: a solid-state, gas-phase, and theoretical investigation of the origins of steric stabilization. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 9045-53	16.4	106
413	Reactivity of $\text{Ar}'\text{GeGeAr}'$ ( $\text{Ar}' = \text{C}_6\text{H}_3\text{-2,6-Dipp}_2$ , Dipp = $\text{C}_6\text{H}_3\text{-2,6-iPr}_2$ ) toward alkynes: isolation of a stable digermacyclobutadiene. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 5062-3	16.4	105
412	The $[2 + 4]$ Diels-Alder cycloaddition product of a probable dialuminene, $\text{Ar}'\text{AlAlAr}'$ ( $\text{Ar}' = \text{C}_6\text{H}_3\text{-2,6-dipp}_2$ ; dipp = $\text{C}_6\text{H}_3\text{-2,6-Pr(i)}_2$ ), with toluene. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 10784-5	16.4	105
411	Synthesis and characterization of three-coordinate and related beta-diketimate derivatives of manganese, iron, and cobalt. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 3909-16	5.1	104
410	Synthesis and characterization of $\text{HC}[\text{C}(\text{Me})\text{N}(\text{C}_6\text{H}_3\text{-2,6-i-Pr}_2)]_2\text{MX}_2$ (M = Al, X = Cl, I; M = Ga, In, X = Me, Cl, I): sterically encumbered beta-diketimate group 13 metal derivatives. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 2794-9	5.1	104
409	The "diindene" $\text{ArInInAr}$ ( $\text{Ar} = \text{C}_6\text{H}_3\text{-2,6-Dipp}_2$ , Dipp = $\text{C}_6\text{H}_3\text{-2,6-Pr(i)}_2$ ). Dimeric versus monomeric in(I) aryls: para-substituent effects in terphenyl ligands. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 8538-9	16.4	103
408	$[\text{2,6-Trip}_2\text{H}_3\text{C}_6\text{Sn}(\text{Et})]_2$ (Trip = $\text{C}_6\text{H}_2\text{-2,4,6-i-Pr}_3$ ): Synthesis and Structure of a Divalent Group 14 Element Hydride. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 8785-8786	16.4	102
407	Reduction of a Boron-Nitrogen 1,3-Butadiene Analogue: Evidence for a Strong B $\pi$ B $\pi$ Bond. <i>Angewandte Chemie International Edition in English</i> , <b>1992</b> , 31, 1082-1083		101

406	Synthesis and Characterization of Thiolato Complexes with Two-Coordinate Iron(II). <i>Angewandte Chemie International Edition in English</i> , <b>1994</b> , 33, 1178-1180		98
405	Persistent phosphinyl radicals from a bulky diphosphine: an example of a molecular jack-in-the-box. <i>Chemical Communications</i> , <b>2000</b> , 2045-2046	5.8	97
404	Synthesis and characterization of the neutral "digallene" Ar'GaGaAr' and its reduction to Na(2)Ar'GaGaAr' (Ar'=2,6-Dipp(2)C(6)H(3), Dipp=2,6-iPr(2)C(6)H(3)). <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 2842-4	16.4	95
403	Isomeric forms of divalent heavier group 14 element hydrides: characterization of Ar'(H)GeGe(H)Ar' and Ar'(H)(2)GeGeAr'.PMe(3) (Ar' = C(6)H(3)-2,6-Dipp(2); Dipp = C(6)H(3)-2,6-Pr(i)(2)). <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 3204-5	16.4	95
402	Reactions of (H2AlMes*)2 (Mes* = 2,4,6-(t-Bu)3C6H2) with H2EAR (E = N, P, or As; Ar = aryl): Characterization of the Ring Compounds (Mes*AlNPh)2 and (Mes*AlEPh)3 (E = P or As). <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 791-797	16.4	95
401	Substituent effects in ditetrel alkyne analogues: multiple vs. single bonded isomers. <i>Chemical Science</i> , <b>2010</b> , 1, 461	9.4	94
400	Series of two-coordinate and quasi-two-coordinate transition-metal complexes: synthesis, structural, and spectroscopic studies of sterically demanding borylamide ligands -NRBR'2 (R = Ph, R' = Mes, Xyl; R = R' = Mes), their lithium salts, Li(Et2O)2NRBR'2, and their transition-metal derivatives, M(NPhBMes2)2 (M = Cr, Co, Ni), Co(NPhBXyl2)2 and M(NMesBMes2)2 (M = Cr, Ni). <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 12498-509	16.4	94
399	Synthesis and Structure of [MeAlN(2,6-iPr2C6H3)]3: An Aluminum-Nitrogen Analogue of Borazine. <i>Angewandte Chemie International Edition in English</i> , <b>1988</b> , 27, 1699-1700		94
398	Synthesis and Characterization of [Sn2{C6H3-2,6(2,4,6-iPr3C6H2)2}2]- A Singly Reduced Valence Isomer of a Distannylene. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 11705-11706	16.4	93
397	Quasi-isomeric gallium amides and imides GaNR2 and RGaNR (R = organic group): reactions of the digallene, Ar'GaGaAr' (Ar' = C6H3-2,6-(C6H3-2,6-Pri2)2) with unsaturated nitrogen compounds. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 12498-509	16.4	93
396	Isolation and first structural characterization of dimethyl sulfide solvates of phenyllithium, phenylcopper, and lower and higher order lithium phenylcuprate reagents. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 8008-8014	16.4	92
395	<b>2008,</b>		91
394	Isomeric forms of heavier main group hydrides: experimental and theoretical studies of the [Sn(Ar)H]2 (Ar = terphenyl) system. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 16197-208	16.4	91
393	Synthesis and characterization of quasi-two-coordinate transition metal dithiolates M(SAr*)2 (M = Cr, Mn, Fe, Co, Ni, Zn; Ar* = C6H3-2,6(C6H2-2,4,6-Pri3)2). <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 8545-52	16.4	91
392	Gallium-boron donor-acceptor bonds. <i>Chemical Communications</i> , <b>2001</b> , 1866-7	5.8	91
391	Synthesis and Characterization of the Monomeric Terphenyl-Metal Halides Ge(Cl){C6H3-2,6-Trip2} (Trip = C6H2-2,4,6-i-Pr3) and Sn(I){C6H3-2,6-Trip2} and the Terphenyl-Metal Amide Sn{N(SiMe3)2}{C6H3-2,6-Trip2}. <i>Organometallics</i> , <b>1998</b> , 17, 5602-5606	3.8	91
390	Synthesis and Characterization of the .sigma.-Bonded, Quasi-Linear, Metal(II) Diaryls MMes2 (M = Mg, Mn, Fe; Mes = 2,4,6-tert-Bu3C6H2-). <i>Organometallics</i> , <b>1995</b> , 14, 3264-3267	3.8	91
389	Synthesis and spectroscopic and x-ray structural studies of the mesitylphosphines Ph2Mes and PHMes2 (Mes = 2,4,6-Me3C6H2) and their lithium salts [Li(THF)3PHMes] and [Li(OEt2)PMes2]2. <i>Inorganic Chemistry</i> , <b>1987</b> , 26, 1941-1946	5.1	91



388	Characterization and bonding of the cation [Ge[N(C6H3-2,6-i-Pr2)CMe](2)CH](+): comparison with the isoelectronic Ga[N(C6H3-2,6-i-Pr2)CMe](2)CH. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 5314-5	5.1	89
387	Synthesis, (9)Be NMR Spectroscopy, and Structural Characterization of Sterically Encumbered Beryllium Compounds. <i>Inorganic Chemistry</i> , <b>1997</b> , 36, 4688-4696	5.1	87
386	Reactions between primary amines and magnesium or zinc dialkyls: intermediates in metal imide formation. <i>Inorganica Chimica Acta</i> , <b>1996</b> , 251, 273-284	2.7	87
385	The isolation and x-ray structures of lithium crown ether salts of the free phenyl carbanions [CHPh2]- and [CPh3]-. <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 2174-2175	16.4	87
384	Ab initio quantum chemistry calculations on the electronic structure of heavier alkyne congeners: diradical character and reactivity. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 7185-92	16.4	86
383	Isolation and x-ray crystal structures of the solvate complexes [Li(Et2O)benzyl]x and [Li(THF)2mesityl]2. <i>Organometallics</i> , <b>1985</b> , 4, 2117-2121	3.8	86
382	Boron-Phosphorus Compounds and Multiple Bonding. <i>Angewandte Chemie International Edition in English</i> , <b>1990</b> , 29, 449-460		85
381	Dispersion forces and counterintuitive steric effects in main group molecules: heavier group 14 (Si-Pb) dichalcogenolate carbene analogues with sub-90° interligand bond angles. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 10134-48	16.4	83
380	Direct spectroscopic observation of large quenching of first-order orbital angular momentum with bending in monomeric, two-coordinate Fe(II) primary amido complexes and the profound magnetic effects of the absence of Jahn- and Renner-Teller distortions in rigorously linear coordination. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 12693-702	16.4	82
379	Nature of the boron-phosphorus bond in monomeric phosphinoboranes and related compounds. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 8426-8437	16.4	82
378	Synthesis and reactivity of dimeric Ar'TlTlAr' and trimeric (Ar"Ti)3 (Ar', Ar" = bulky terphenyl group) thallium(I) derivatives: Tl(I)-Tl(I) bonding in species ligated by monodentate ligands. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 4794-9	16.4	81
377	Donor-Free Alkali Metal Thiolates: Synthesis and Structure of Dimeric, Trimeric, and Tetrameric Complexes with Sterically Encumbered Terphenyl Substituents. <i>Inorganic Chemistry</i> , <b>1996</b> , 35, 7264-7272	5.1	81
376	Multiple Bonding Involving the Heavier Main Group 3 Elements Al, Ga, In, and Tl. <i>Advances in Organometallic Chemistry</i> , <b>1996</b> , 1-69	3.8	81
375	The use of very crowded silylamide ligands -N(SiMePh3-n)2 (n = 0, 1, or 2) to synthesize crystalline, two-coordinate, derivatives to manganese(II), iron(II), and cobalt(II) and the free ion [Ph3SiNSiPh3]-. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 4338-4345	16.4	81
374	Dispersion force stabilized two-coordinate transition metal-amido complexes of the -N(SiMe3)Dipp (Dipp = C6H3-2,6-Pr(i)2) ligand: structural, spectroscopic, magnetic, and computational studies. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 13584-93	5.1	80
373	Room-temperature reaction of carbon monoxide with a stable diarylgermylene. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 6912-3	16.4	79
372	Large differences in secondary metal-arene interactions in the transition-metal dimers ArMMAr (Ar = terphenyl; M = Cr, Fe, or Co): implications for Cr-Cr quintuple bonding. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 5104-14	16.4	78
371	The selective preparation of an aluminum oxide and its isomeric C-H-activated hydroxide. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 10170-1	16.4	76

370	Synthesis and characterization of novel quasiaromatic zinc-sulfur aggregates and related zinc-oxygen complexes. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 3379-3385	16.4	76
369	Isolation and structural characterization of the solvated lithium salts of the Group VA (15) anions [EPh <sub>2</sub> ] <sup>-</sup> (E = nitrogen, phosphorus, arsenic or antimony) and [Sb <sub>3</sub> Ph <sub>4</sub> ] <sup>-</sup> . <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 6921-6926	16.4	76
368	Synthesis and characterization of the monomeric imides Ar'MNAr' (M = Ga or In; Ar' or Ar' = terphenyl ligands) with two-coordinate gallium and indium. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 1694-5	16.4	75
367	Synthesis and characterization of the homoleptic aryloxides [M{O(2,4,6-tert-Bu <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ) <sub>2</sub> } <sub>2</sub> ] (M = manganese, iron), the adducts [Mn(OCPh <sub>3</sub> ) <sub>2</sub> (py) <sub>2</sub> ] and [Fe(OCPh <sub>3</sub> ) <sub>2</sub> (THF) <sub>2</sub> ], and the mixed complex [Fe{N(SiMe <sub>3</sub> ) <sub>2</sub> }.μ-O(2,4,6-tert-Bu <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ) <sub>2</sub> }] <sub>2</sub> : evidence for primarily ionic metal-oxygen bonding. <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 3333-3337	5.1	75
366	X-ray crystal structure of the boron-stabilized carbanion [Li(12-crown-4)2][CH <sub>2</sub> C <sub>6</sub> H <sub>2</sub> (3,5-Me <sub>2</sub> )(4-B{2,4,6-Me <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ) <sub>2</sub> }]·Et <sub>2</sub> O: evidence for boron ylide character. <i>Organometallics</i> , <b>1986</b> , 5, 1916-1917	3.8	74
365	Structural characterization of the solvate complexes of the lithium diorganophosphides [{Li(Et <sub>2</sub> O)PPh <sub>2</sub> }.∞], [{Li(THF)2PPh <sub>2</sub> }.∞], and [{Li(THF)P(C <sub>6</sub> H <sub>11</sub> ) <sub>2</sub> }.∞]. <i>Inorganic Chemistry</i> , <b>1986</b> , 25, 1243-1247	5.1	74
364	Sterically encumbered terphenyl substituted primary pnictanes ArEH <sub>2</sub> and their metallated derivatives ArE(H)Li (Ar = 2,6-Trip <sub>2</sub> ; Trip = 2,4,6-triisopropylphenyl; E = N, P, As, Sb). <i>Journal of Organometallic Chemistry</i> , <b>2000</b> , 609, 152-160	2.3	73
363	The Neutral Transition Metal Thiolates [M(SAr) <sub>2</sub> ] <sub>2</sub> (M = Mn, Fe or Co, Ar = 2,4,6-t-Bu <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ). <i>Angewandte Chemie International Edition in English</i> , <b>1991</b> , 30, 330-332		73
362	Convergent syntheses of [Sn <sub>7</sub> {C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>3</sub> -2,6-iPr <sub>2</sub> ) <sub>2</sub> } <sub>21</sub> ]: a cluster with a rare pentagonal bipyramidal motif. <i>Chemical Communications</i> , <b>2007</b> , 4919-21	5.8	72
361	Synthesis and spectroscopic and x-ray structural characterization and dynamic solution behavior of the neutral cobalt(II) alkoxides [Co{OC(C <sub>6</sub> H <sub>11</sub> ) <sub>3</sub> } <sub>2</sub> ] <sub>2</sub> ·CH <sub>3</sub> OH.1/2C <sub>6</sub> H <sub>12</sub> ·THF, [Co(OCPh <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> ·n-C <sub>6</sub> H <sub>14</sub> , [Co(OSiPh <sub>3</sub> ) <sub>2</sub> (THF)] <sub>2</sub> , and Co(OCPh <sub>3</sub> ) <sub>2</sub> (THF) <sub>2</sub> . <i>Inorganic Chemistry</i> , <b>1987</b> , 26, 1773-1780	5.1	72
360	Synthesis and some reactivity studies of germanium, tin and lead analogues of alkynes. <i>Applied Organometallic Chemistry</i> , <b>2005</b> , 19, 488-493	3.1	71
359	Synthesis and Characterization of Sterically Encumbered Derivatives of Aluminum Hydrides and Halides: Assessment of Steric Properties of Bulky Terphenyl Ligands. <i>Inorganic Chemistry</i> , <b>1996</b> , 35, 6694-6702	5.1	71
358	Synthesis and electronic and redox properties of "double-cubane" cluster complexes containing molybdenum iron sulfide (MoFe <sub>3</sub> S <sub>4</sub> ) and tungsten iron sulfide (WFe <sub>3</sub> S <sub>4</sub> ) cores. <i>Journal of the American Chemical Society</i> , <b>1980</b> , 102, 4694-4703	16.4	71
357	Two types of intramolecular addition of an Al-N multiple-bonded monomer LAlNAr' arising from the reaction of LAl with N <sub>3</sub> Ar' (L = HC[(CMe)(NAr)] <sub>2</sub> , Ar' = 2,6-Ar <sub>2</sub> C <sub>6</sub> H <sub>3</sub> , Ar = 2,6-iPr <sub>2</sub> C <sub>6</sub> H <sub>3</sub> ). <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 9472-3	16.4	70
356	Boron-phosphorus analogs of benzene and cyclobutadiene. Synthesis and characterization of the boraphosphabenzene (RBPR') <sub>3</sub> (R = Mes, Ph; R' = Ph, Mes, C <sub>6</sub> H <sub>11</sub> , tert-Bu) and the diphosphadiboretane (thexylBPMes) <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 144-148	16.4	70
355	Reduction of Ge(Cl)C <sub>6</sub> H <sub>3</sub> mes <sub>2</sub> -2,6 to give the cyclotrigermenyl radical (GeC <sub>6</sub> H <sub>3</sub> mes <sub>2</sub> -2,6) <sub>3</sub> <sup>•</sup> and the trigermenyl anion salt K(GeC <sub>6</sub> H <sub>3</sub> mes <sub>2</sub> -2,6) <sub>3</sub> . <i>Chemical Communications</i> , <b>1997</b> , 1595-1596	5.8	69
354	Synthesis and Solid-State Structure of 2,6-Trip C <sub>6</sub> H <sub>3</sub> Tl (Trip = 2,4,6-iPr C <sub>6</sub> H <sub>3</sub> ): A Monomeric Arylthallium(I) Compound with a Singly Coordinated Thallium Atom. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 1277-1279	16.4	69
353	Synthesis, structural, and magnetic characterization of linear and bent geometry cobalt(II) and nickel(II) amido complexes: evidence of very large spin-orbit coupling effects in rigorously linear coordinated Co <sup>2+</sup> . <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 3366-73	5.1	68



352	Reactions of heavier main-group compounds with hydrogen, ammonia, ethylene and related small molecules. <i>Chemical Record</i> , <b>2012</b> , 12, 238-55	6.6	68
351	Free inorganic, organic, and organometallic ions by treatment of their lithium salts with 12-crown-4. <i>Accounts of Chemical Research</i> , <b>1988</b> , 21, 147-153	24.3	68
350	First examples of three-coordinate manganese(III) and cobalt(III): synthesis and characterization of the complexes $M[N(SiMe_3)_2]_3$ ( $M = Mn$ or $Co$ ). <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 8044-8046	16.4	67
349	Two-coordinate, nonlinear, crystalline d6 and d7 complexes: syntheses and structures of $M\{N(SiMePh_2)_2\}_2$ , $M = Fe$ or $Co$ . <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 7563-7564	16.4	67
348	X-ray crystal structures of the diphenylphosphide and arsenide anions: use of a crown ether to effect complete metal cation and organometalloid anion separation. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 819-821	16.4	67
347	Synthesis, structure, and magnetic and electrochemical properties of quasi-linear and linear iron(II), cobalt(II), and nickel(II) amido complexes. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 9400-6	5.1	66
346	A New Synthetic Route to Organoalumoxanes (RALO) $_n$ : Synthesis of $(Mes^*AlO)_4(Mes^* = C_6H_2-2,4,6-t-Bu_3)$ and Its Reactions with $AlR_3$ ( $R = Me$ or $Et$ ). <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 8387-8388	16.4	66
345	Reversible complexation of ethylene by a silylene under ambient conditions. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 634-7	16.4	65
344	Insertion reactions of a two-coordinate iron diaryl with dioxygen and carbon monoxide. <i>Chemical Communications</i> , <b>2009</b> , 5543-5	5.8	65
343	An unsymmetric oxo/imido-bridged germanium-centered singlet diradicaloid. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 14164-5	16.4	64
342	Synthesis, Structures, and Spectroscopy of the Metallostannylenes $(\eta^5-C_5H_5)(CO)_3M\{\eta^6-C_6H_3-2,6-Ar_2\}$ ( $M = Cr, Mo, W$ ; $Ar = C_6H_2-2,4,6-Me_3, C_6H_2-2,4,6-Pri_3$ ). <i>Organometallics</i> , <b>2002</b> , 21, 5622-5627	3.8	64
341	The Syntheses and Characterization of the Bulky Terphenyl Silanes and Chlorosilanes $2,6-Mes_2C_6H_3SiCl_3$ , $2,6-Trip_2C_6H_3SiCl_3$ , $2,6-Mes_2C_6H_3SiHCl_2$ , $2,6-Trip_2C_6H_3SiHCl_2$ , $2,6-Mes_2C_6H_3SiH_3$ , $2,6-Trip_2C_6H_3SiH_3$ and $2,6-Mes_2C_6H_3SiCl_2SiCl_3$ . <i>Main Group Chemistry</i> , <b>1998</b> , 2, 275-283	0.6	64
340	Synthesis, Structure, and Spectroscopic Characterization of Unassociated Mono-, Di- and Triamido Derivatives of Aluminum and Gallium. <i>Organometallics</i> , <b>1994</b> , 13, 2792-2799	3.8	64
339	Stable, Two-Coordinate, Open Shell ( $d^0d^9$ ) Transition Metal Complexes. <i>Comments on Inorganic Chemistry</i> , <b>1989</b> , 8, 177-202	3.9	64
338	The multiple bonding in heavier group 14 element alkene analogues is stabilized mainly by dispersion force effects. <i>Chemical Science</i> , <b>2015</b> , 6, 6235-6244	9.4	63
337	Synthesis and characterization of the mononuclear compounds $tert-Bu_2MOAr$ ( $M = aluminum$ or $gallium$ , $Ar = bulky aryl$ group): are the short Al-O and Ga-O bonds a consequence of $\pi$ -interactions?. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 8704-8708	16.4	63
336	Subvalent group 14 metal compounds XI. Oxidative addition reactions of organic halides or acid anhydrides (including $CH_4$ , $IhCl_n$ , $PhBr$ , $BrN(SiMe_3)_2$ , $ButCOCl$ , or $(CF_3CO)_2O$ ) to some bivalent group 14 metal amides or alkyls. <i>Journal of Organometallic Chemistry</i> , <b>1987</b> , 330, 31-46	2.3	63
335	C-H activation of cycloalkenes by dimetallynes ( $M = Ge, Sn$ ) under ambient conditions. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 11960-3	16.4	62

334	Terphenyl Ligand Stabilized Lead(II) Derivatives of Simple Organic Groups: Characterization of Pb(R)C <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> (R = Me, t-Bu, or Ph; Trip = C <sub>6</sub> H <sub>2</sub> -2,4,6-i-Pr <sub>3</sub> ), {Pb(EBr)C <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> } <sub>2</sub> , py <sub>2</sub> Pb(Br)C <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> (py = Pyridine), and the Bridged Plumbylyne Complex [μw(CO) <sub>2</sub> (Br) <sub>2</sub> (Pb)(C <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> )]. <i>Organometallics</i> , <b>2000</b> , 19, 2874-2881	3.8	62
333	Syntheses and x-ray structures of the lithium, nickel, and cobalt complexes [Li(THF) <sub>4</sub> ][Ni(NPh <sub>2</sub> ) <sub>3</sub> ].0.5C <sub>7</sub> H <sub>8</sub> , [{Ni(NPh <sub>2</sub> ) <sub>2</sub> } <sub>2</sub> ] and [{Co(NPh <sub>2</sub> ) <sub>2</sub> } <sub>2</sub> ]: structural characterization of three coordinate first row d7 and d8 complexes. <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 712-713	16.4	62
332	Structural studies of tin(II) and lead(II) dimethylamides: x-ray crystal structure of [Sn(NMe <sub>2</sub> ) <sub>2</sub> ] <sub>2</sub> and isolation of its lead analog. <i>Inorganic Chemistry</i> , <b>1984</b> , 23, 413-415	5.1	61
331	Synthesis, spectroscopic characterization, and determination of the solution association energy of the dimer [Co{N(SiMe <sub>3</sub> ) <sub>2</sub> } <sub>2</sub> ] <sub>2</sub> : magnetic studies of low-coordinate Co(II) silylamides [Co{N(SiMe <sub>3</sub> ) <sub>2</sub> } <sub>2</sub> L] (L = PMe <sub>3</sub> , pyridine, and THF) and related species that reveal evidence of very low energy first coordination sphere interactions. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 13152-13159	5.1	60
330	Synthesis, characterization and real molecule DFT calculations for neutral organogallium(I) aryl dimers and monomers: weakness of gallium-gallium bonds in digallenes and digallynes. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 5263-72	4.8	60
329	Synthesis and characterization of the metal(I) dimers [Ar'MMAr']: comparisons with quintuple-bonded [Ar'CrCrAr']. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 9115-7	16.4	60
328	Synthesis and characterization of a quasi-one-coordinate lead cation. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 2655-8	16.4	60
327	Theoretical studies of multiple bonds in gallium-gallium and germanium-germanium compounds. <i>Dalton Transactions RSC</i> , <b>2000</b> , 407-412		59
326	Synthesis and Characterization of Na <sub>2</sub> {Ge(C <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> ) <sub>2</sub> } and K <sub>2</sub> {Sn(C <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> ) <sub>2</sub> } (Trip = -C <sub>6</sub> H <sub>2</sub> -2,4,6-i-Pr <sub>3</sub> ): A New Class of Multiply Bonded Main Group Compounds. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 12682-12683	16.4	59
325	Synthesis and Characterization of the New Selenolate Ligand -SeC <sub>6</sub> H <sub>3</sub> -2,6-Mes <sub>2</sub> (Mes = C <sub>6</sub> H <sub>2</sub> -2,4,6-Me <sub>3</sub> ) and Its Two-Coordinate Zinc and Manganese Derivatives: Factors Affecting Bending in Two-Coordinate Metal Complexes with Aryl-Substituted Ligands. <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 49-54	5.1	59
324	Synthesis and characterization of the monomeric aluminum monoamides (tert-Bu) <sub>2</sub> AlN(R)R' (R and R' = bulky aryl, alkyl, or silyl groups). <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 1135-1141	5.1	59
323	New Base-Free Alanes and Gallanes: Synthesis and Characterization of Monomeric Mes* <sub>2</sub> GaH (Mes* = 2,4,6-tert-Bu <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ), Dimeric (Trip <sub>2</sub> MH) <sub>2</sub> (Trip = 2,4,6-i-Pr <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ; M = Al, Ga), and Related Sterically Crowded Arylaluminum Species. <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 6300-6306	5.1	59
322	Synthesis and structure of diarylboryl-substituted hydrazines and diphosphanes: role of .sigma.-orbital hybridization and .pi.-orbital overlap in N-N and P-P multiple-bond lengths. <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 528-535	5.1	59
321	The structure of a monomeric phosphinoborane: synthesis and x-ray crystal structure of (diphenylphosphino)dimesitylborane. <i>Inorganic Chemistry</i> , <b>1986</b> , 25, 4615-4616	5.1	59
320	Synthesis and electron spin resonance study of stable dialkyls and diamides of phosphorus and arsenic, R <sub>12</sub> M <sup>+</sup> and (R <sub>22</sub> N) <sub>2</sub> M <sup>+</sup> . <i>Journal of the Chemical Society Chemical Communications</i> , <b>1976</b> , 623-624		59
319	Dimeric gallium oxide and sulfide species stabilized by a sterically encumbered beta-diketimate ligand. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 2474-5	5.1	58
318	Stabilized Terphenyl-Substituted Digermene Derivatives of Simple Organic Groups and Their Halide Precursors: Preference for Symmetrically Bonded Structures. <i>Organometallics</i> , <b>2001</b> , 20, 1820-1824	3.8	58
317	Synthesis, structural characterization, and spectroscopy of the cadmium-cadmium bonded molecular species Ar'CdCdAr' (Ar' = C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>3</sub> -2,6-Pri <sub>2</sub> ) <sub>2</sub> ). <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 15068-9	16.4	57

316	Very large changes in bond length and bond angle in a heavy group 14 element alkyne analogue by modification of a remote ligand substituent. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 11366-7	16.4	57
315	A germanium isocyanide complex featuring (n → π*) back-bonding and its conversion to a hydride/cyanide product via C-H bond activation under mild conditions. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 4045-8	16.4	56
314	Monomeric, two-coordinate, univalent chromium(I) compounds: steric prevention of metal-metal bond formation. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 6076-7	16.4	56
313	Terphenyl ligand stabilized lead(II) derivatives: steric effects and lead-lead bonding in diplumbenes. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 7346-52	5.1	55
312	Isolation and x-ray crystal structure of the cuprate complex decaethoxydichlorotetralithium bis(hexaphenyldilithiumtricaprate) ([Li <sub>2</sub> Cu <sub>3</sub> Ph <sub>6</sub> ] <sub>2</sub> [Li <sub>4</sub> Cl <sub>2</sub> (Et <sub>2</sub> O) <sub>10</sub> ]): the first x-ray structural characterization of an anionic organocopper-lithium cluster. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 1149-1150	16.4	55
311	Characterization of Ge <sub>5</sub> R <sub>4</sub> (R = CH(SiMe <sub>3</sub> ) <sub>2</sub> , C <sub>6</sub> H <sub>3</sub> -2,6-Mes <sub>2</sub> ): Germanium Clusters of a New Structural Type with Singlet Biradical Character. <i>Organometallics</i> , <b>2004</b> , 23, 2841-2844	3.8	54
310	Reversible, photoinduced activation of P[by low-coordinate main group compounds. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 6739-44	4.8	52
309	Characterization of the sterically encumbered terphenyl-substituted species 2,6-Trip <sub>2</sub> H <sub>3</sub> C <sub>6</sub> Sn-Sn(Me) <sub>2</sub> C <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> , an unsymmetric, group 14 element, methylenemethylene, valence isomer of an alkene, its related lithium derivative	5.1	52
308	An unusual carbon-carbon bond cleavage in bulky metal alkoxides: syntheses and x-ray crystal structures of three-coordinate manganese(II) and chromium(II) complexes containing the di-tert-butylmethoxide ligand. <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 169-173	16.4	52
307	The synthesis and structure of sterically encumbered terphenyl tin(II) halide derivatives: simultaneous existence of monomers and dimers in the crystalline phase. <i>Polyhedron</i> , <b>2001</b> , 20, 551-556	2.7	51
306	Imide Transfer Properties and Reactions of the Magnesium Imide ((THF)MgNPh) <sub>6</sub> : A Versatile Synthetic Reagent. <i>Inorganic Chemistry</i> , <b>1996</b> , 35, 3254-3261	5.1	51
305	Synthesis and structural characterization of the beryllium compounds [Be(2,4,6-Me <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ) <sub>2</sub> (OEt <sub>2</sub> )], [Be{O(2,4,6-tert-Bu <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ) <sub>2</sub> (OEt <sub>2</sub> )}], and [Be{S(2,4,6-tert-Bu <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ) <sub>2</sub> (THF)}] <sub>2</sub> ·PhMe and determination of the structure of [BeCl <sub>2</sub> (OEt <sub>2</sub> ) <sub>2</sub> ]. <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 1724-1728	5.1	51
304	Neutral catecholate derivatives of manganese and iron: synthesis and characterization of the metal-oxygen cubane-like species M <sub>4</sub> (DBCat) <sub>4</sub> (py) <sub>6</sub> (M = Mn, Fe), the trinuclear complex Mn <sub>3</sub> (DBCat) <sub>4</sub> (py) <sub>4</sub> , and the dimers M <sub>2</sub> (DBCat) <sub>2</sub> (py) <sub>n</sub> (M = Mn, n = 6; M = Fe, n = 4,6). <i>Inorganic Chemistry</i> , <b>1992</b> , 31, 1001-1010	5.1	51
303	Reduktion eines Bor-Stickstoff-Analogons von 1, 3-Butadien: Hinweise auf eine starke B-B-Bindung. <i>Angewandte Chemie</i> , <b>1992</b> , 104, 1075-1076	3.6	51
302	Synthesis and X-Ray Structure of (2,4,6-Me <sub>3</sub> C <sub>6</sub> H <sub>2</sub> BPC <sub>6</sub> H <sub>11</sub> ) <sub>3</sub> : A Boron-Phosphorus Analogue of Borazine. <i>Angewandte Chemie International Edition in English</i> , <b>1987</b> , 26, 1270-1271		51
301	Spin-state crossover with structural changes in a cobalt(II) organometallic species: low-coordinate, first row, heteroleptic amido transition metal aryls. Synthesis and characterization of Ar'MN(H)Ar# (M = Mn, Fe, Co) (Ar' = C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>3</sub> -2,6-iPr <sub>2</sub> ) <sub>2</sub> , Ar# = C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>2</sub> -2,4,6-Me <sub>3</sub> ) <sub>2</sub> ). <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 2412-2	5.1	50
300	Synthesis and structural characterization of manganese(II) derivatives of the bulky, chelating bis(amido) ligands [(NMes) <sub>2</sub> SiMe <sub>2</sub> ] <sub>2</sub> - and [DippNCH <sub>2</sub> CH <sub>2</sub> NDipp] <sub>2</sub> -, their neutral amine precursors, and their lithium salts (Mes = 2,4,6-Me <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ; Dipp = 2,6-i-Pr <sub>2</sub> C <sub>6</sub> H <sub>3</sub> ). <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 2487-2494	5.1	50
299	Univalent transition metal complexes of arenes stabilized by a bulky terphenyl ligand: differences in the stability of Cr(I), Mn(I) or Fe(I) complexes. <i>Chemical Communications</i> , <b>2008</b> , 1014-6	5.8	49

- 298 (2,6-Mes(2)H(3)C(6))(2)BiH, a Stable, Molecular Hydride of a Main Group Element of the Sixth Period, and Its Conversion to the Dibismuthene (2,6-Mes(2)H(3)C(6))BiBi(2,6-Mes(2)C(6)H(3)) This work was supported by the National Science Foundation. The Bruker SMART 1000 diffractometer was funded in part by NSF Instrumentation Grant CHE-9808259. Mes=2,4,6-Me(3)C(6)H(2). *Angewandte Chemie - International Edition*, **2000**, 39, 1116-1119 16.4 49
- 297 Mononuclear cobalt(II) complexes having alkoxide and amide ligands: synthesis and x-ray crystal structures of [Co(Cl)(OC-tert-Bu<sub>3</sub>)<sub>2</sub>.Li(THF)<sub>3</sub>], [Li(THF)<sub>4</sub>][Co{N(SiMe<sub>3</sub>)<sub>2</sub>}(OC-tert-Bu<sub>3</sub>)<sub>2</sub>], and [Li{Co(N(SiMe<sub>3</sub>)<sub>2</sub>)(OC-tert-Bu<sub>3</sub>)<sub>2</sub>}] *Inorganic Chemistry*, **1986**, 25, 1027-1033 5.1 49
- 296 Boron-pnictogen multiple bonds: donor-stabilized P=B and As=B bonds and a hindered iminoborane with a B-N triple bond. *Inorganic Chemistry*, **2007**, 46, 2971-8 5.1 48
- 295 Synthesis and Characterization of the Monomeric Sterically Encumbered Diaryls E{C<sub>6</sub>H<sub>3</sub>-2,6-(C<sub>6</sub>H<sub>3</sub>-2,6-Pri<sub>2</sub>)<sub>2</sub>}<sub>2</sub> (E = Ge, Sn, or Pb). *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2006**, 632, 1005-1010 1.3 48
- 294 Coordination chemistry umpolung: a gallane ligand on a phosphine lewis acceptor. *Journal of the American Chemical Society*, **2002**, 124, 382-3 16.4 48
- 293 Solid-state and high-resolution liquid <sup>119</sup>Sn NMR spectroscopy of some monomeric, two-coordinate low-valent tin compounds: very large chemical shift anisotropies. *Inorganic Chemistry*, **2000**, 39, 5450-3 5.1 48
- 292 Synthesis and characterization of the phosphinidene borate complexes [Li(Et<sub>2</sub>O)<sub>2</sub>PRB(Mes)<sub>2</sub>] and [Li(12-crown-4)][RBP(Mes)<sub>2</sub>].cntdot.THf [R = Ph, C<sub>6</sub>H<sub>11</sub> or Mes (Mes = 2,4,6-Me<sub>3</sub>C<sub>6</sub>H<sub>2</sub>)]: the first structurally characterized boron-phosphorus double bonds. *Journal of the American Chemical Society*, **1986**, 108, 6817-6819 16.4 48
- 291 Structural characterization of the iron-bridged "double-cubane" cluster complexes [Mo<sub>2</sub>Fe<sub>7</sub>S<sub>8</sub>(SC<sub>2</sub>H<sub>5</sub>)<sub>12</sub>]<sub>3</sub>- and [M<sub>2</sub>Fe<sub>7</sub>S<sub>8</sub>(SCH<sub>2</sub>C<sub>6</sub>H<sub>5</sub>)<sub>12</sub>]<sub>4</sub>- (M = molybdenum, tungsten) containing MFe<sub>3</sub>S<sub>4</sub> cores. *Inorganic Chemistry*, **1980**, 19, 430-437 5.1 48
- 290 The role of group 14 element hydrides in the activation of C-H bonds in cyclic olefins. *Journal of the American Chemical Society*, **2012**, 134, 14595-603 16.4 47
- 289 Two-coordinate first row transition metal complexes with short unsupported metal-metal bonds. *Journal of the American Chemical Society*, **2010**, 132, 17399-401 16.4 47
- 288 Recent developments in the chemistry of low valent Group 14 hydrides. *Dalton Transactions*, **2008**, 4336-43 47
- 287 Synthesis and Characterization of the Metalloplumbylenes (E-C<sub>5</sub>H<sub>5</sub>)(CO)<sub>3</sub>M-P b-C<sub>6</sub>H<sub>3</sub>-2,6-Trip<sub>2</sub> (M = Cr, Mo, or W; Trip = 1,6-H<sub>2</sub>-2,4,6-i-Pr<sub>3</sub>). *Organometallics*, **2000**, 19, 352-356 3.8 47
- 286 The synthesis, characterization and some properties of new quasi-aromatic main group ring systems. *Journal of Organometallic Chemistry*, **1990**, 400, 49-69 2.3 47
- 285 X-ray crystal structure of a late-transition-metal dialkylamide, [(CuNEt<sub>2</sub>)<sub>4</sub>]. *Inorganic Chemistry*, **1984**, 23, 936-937 5.1 47
- 284 Molecular structure of bis[bis(trimethylsilyl)amino]zinc as determined by gas electron diffraction. *Inorganic Chemistry*, **1984**, 23, 1972-1975 5.1 47
- 283 Reaction of M(II) Diaryls (M = Mn or Fe) with Ammonia to Afford Parent Amido Complexes. *Organometallics*, **2010**, 29, 1988-1991 3.8 46
- 282 A reversible valence equilibrium in a heavier main group compound. *Journal of the American Chemical Society*, **2003**, 125, 7520-1 16.4 46
- 281 Monomeric manganese(II) alkoxides: syntheses and x-ray crystal structures of novel three- and four-coordinate manganese complexes of the tri-tert-butylmethoxide ligand. *Journal of the American Chemical Society*, **1984**, 106, 7011-7015 16.4 46



280	Detailed Structural Characterization of the Polyvalent Iminoiodinanes ArINTs (Ar = C <sub>6</sub> H <sub>5</sub> or 2,4,6-Me <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ; Ts = SO <sub>2</sub> C <sub>6</sub> H <sub>4</sub> -4-Me) and the Aryldichloroiodinane 2,4,6-i-Pr <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ICl <sub>2</sub> . <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 3210-3214	5.1	45
279	A New In <sub>4</sub> Cluster with Short In-In Bonds in Trigonal-Planar In(InTrip) <sub>2</sub> ) <sub>3</sub> . <i>Angewandte Chemie International Edition in English</i> , <b>1996</b> , 35, 2355-2357		45
278	Transition metal alkylgallyl complexes: synthesis, structure, and spectroscopic studies of (η <sup>5</sup> -C <sub>5</sub> H <sub>5</sub> )(CO) <sub>2</sub> FeGa(tert-Bu) <sub>2</sub> , {(η <sup>5</sup> -C <sub>5</sub> H <sub>5</sub> )(CO) <sub>2</sub> Fe} <sub>2</sub> Ga(tert-Bu), and (η <sup>5</sup> -C <sub>5</sub> H <sub>5</sub> )(CO) <sub>2</sub> FeGa(tert-Bu) <sub>2</sub> ·{(η <sup>5</sup> -C <sub>5</sub> H <sub>5</sub> )(CO) <sub>2</sub> Fe} <sub>2</sub> . <i>Organometallics</i> , <b>1994</b> , 13, 548-552	3.8	45
277	Synthesis and Characterization of [Mes*AlH <sub>2</sub> ] <sub>2</sub> (Mes* = 2,4,6-(tert-Bu) <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ): A Base-Free Arylallene. <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 5611-5612	5.1	45
276	Silylamines with Pyramidal Coordination at Nitrogen. <i>Angewandte Chemie International Edition in English</i> , <b>1993</b> , 32, 425-427		45
275	Synthesis and spectroscopic and x-ray structural characterization of compounds involving boron-phosphorus multiple bonds. Lithium salts of boryl phosphides and their precursors. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 1306-1311	16.4	45
274	Synthesis and structural characterization of the cyclic species [GeN(2,6-iso-Pr <sub>2</sub> C <sub>6</sub> H <sub>3</sub> )] <sub>3</sub> : the first "germanazene". <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 3660-3662	16.4	45
273	Synthesis and structural and spectroscopic characterization of the Germanazene [GeN(2,6-i-Pr <sub>2</sub> C <sub>6</sub> H <sub>3</sub> )] <sub>3</sub> and the tin and lead tetramers [SnN(BMes <sub>2</sub> )] <sub>4</sub> , [SnN(2,6-i-Pr <sub>2</sub> C <sub>6</sub> H <sub>3</sub> )] <sub>4</sub> , and [PbN(2,6-i-Pr <sub>2</sub> C <sub>6</sub> H <sub>3</sub> )] <sub>4</sub> . <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 3390-3394	5.1	45
272	Simple one-step route to a transition-metal complex containing a phosphorus-phosphorus double bond. Synthesis and x-ray crystal structure of {trans-bis[bis(trimethylsilyl)methyl]diphosphene}bis[tetracarbonyliron(0)]. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 2085-2086	16.4	45
271	Thermally controlling the singlet-triplet energy gap of a diradical in the solid state. <i>Chemical Science</i> , <b>2016</b> , 7, 6514-6518	9.4	44
270	Synthesis and Structure of Stable Tri-tert-butylgermyl-Substituted Stannylene and Germylene. <i>Organometallics</i> , <b>2001</b> , 20, 4460-4462	3.8	44
269	Isolation and Structural Characterization of the Lithium Cyanoorganocuprate Salt [Li(THF) <sub>2</sub> {Cu(CN)C <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> }] <sub>2</sub> (Trip = 1,6-H <sub>2</sub> -2,4,6-i-Pr <sub>3</sub> ). <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 6409-6410	16.4	44
268	Synthesis and Characterization of New Thiolato Derivatives of Lithium, Magnesium, and Zinc: Examples of Two-Coordinate Lithium and Zinc Species Ligated by Sulfur. <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 4231-4234	5.1	44
267	Synthesis and x-ray structural characterization of Mg(2,4,6-R <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ) <sub>2</sub> (THF) <sub>2</sub> (R = Me, iso-Pr) and the three-coordinate magnesiate species [Li(THF) <sub>0.6</sub> (Et <sub>2</sub> O) <sub>0.4</sub> ][Mg(2,4,6-iso-Pr <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ) <sub>3</sub> ]. <i>Organometallics</i> , <b>1992</b> , 11, 3209-3214	3.8	44
266	[M(NMesBMes <sub>2</sub> ) <sub>2</sub> ] (M = Cr, Ni) : Stable, Distorted, Two-Coordinate d <sub>4</sub> and d <sub>8</sub> Complexes. <i>Angewandte Chemie International Edition in English</i> , <b>1989</b> , 28, 316-317		44
265	Synthesis of the sterically encumbering terphenyl silyl and alkyl amines HN(R)ArMes <sub>2</sub> (R = Me and SiMe <sub>3</sub> ), their lithium derivatives LiN(R)ArMes <sub>2</sub> , and the tertiary amine Me <sub>2</sub> NArMes <sub>2</sub> . <i>Inorganica Chimica Acta</i> , <b>2006</b> , 359, 1939-1946	2.7	43
264	Enhanced thermal stability in organodiborane(4) compounds: synthesis and structural characterization of MeO(Mes)BB(Mes)OMe, Mes <sub>2</sub> BB(Mes)OMe, Mes <sub>2</sub> BB(Mes)Ph, and Mes <sub>2</sub> BB(Mes)CH <sub>2</sub> SiMe <sub>3</sub> (Mes = 2,4,6-Me <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ). <i>Organometallics</i> , <b>1992</b> , 11, 2383-2388	3.8	43
263	Interaction of phosphorous bis(trimethylsilyl)amide dichloride with carbonylmetalate dianions of iron and chromium: syntheses and x-ray crystal structures of new transition metal complexes involving phosphorus and arsenic in multiple bonding. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 7160-7161	16.4	43



262	Addition of ethylene or hydrogen to a main-group metal cluster under mild conditions. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3802-5	16.4	42
261	Mechanisms of reactions of open-shell, heavier group 14 derivatives with small molecules: n- $\pi$ back-bonding in isocyanide complexes, C-H activation under ambient conditions, CO coupling, and ancillary molecular interactions. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 6248-59	5.1	42
260	New copper chemistry. 21. Phenylcopper(I) and diphenylcuprate(I): characterization of aggregation states by carbon-13 NMR spectroscopy. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 11640-11641	16.4	42
259	Synthesis of [Me <sub>2</sub> SCu(C <sub>6</sub> H <sub>2</sub> -2,4,6- <i>tert</i> -Bu <sub>3</sub> )] and [(Me <sub>2</sub> S) <sub>2</sub> Cu( $\mu$ -C <sub>6</sub> H <sub>2</sub> -2,4,6-Ph <sub>3</sub> )Cu(C <sub>6</sub> H <sub>2</sub> -2,4,6-Ph <sub>3</sub> )]: mononuclear and dinuclear organocopper(I) species of formula [CuR.cntdot.solvate] <sub>1</sub> or 2. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 9668-9670	16.4	42
258	Synthesis and spectroscopic and structural characterization of the novel lithium borylamide salts trans-[Li(Et <sub>2</sub> O)NHBMes <sub>2</sub> ] <sub>2</sub> , a dimer, and the ion pair [Li(Et <sub>2</sub> O) <sub>3</sub> ][Mes <sub>2</sub> BNBMes <sub>2</sub> ] with a linear allene-like, [R <sub>2</sub> B = N = BR <sub>2</sub> ] <sup>+</sup> moiety. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 446-449	16.4	42
257	Reversible and irreversible higher-order cycloaddition reactions of polyolefins with a multiple-bonded heavier group 13 alkene analogue: contrasting the behavior of systems with $\pi$ , $\pi$ , and $\pi$ + frontier molecular orbital symmetry. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 7155-7161	16.4	41
256	Synthesis and characterization of [Ar'GaC(Ph)CH] <sub>2</sub> and K <sub>2</sub> [Ar'GaC(Ph)CH] <sub>2</sub> OEt <sub>2</sub> : from digallene to digallacyclohexadiene to digallatabenzene. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 2027-30	16.4	41
255	Synthesis and characterization of low-coordinate divalent aryl transition-metal halide analogues of grignard reagents: precursors for reduction to metal-metal-bonded complexes. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 4809-14	5.1	41
254	Synthesis and Structure of the Magnesium Imide [(thf)MgNPh] <sub>6</sub> . <i>Angewandte Chemie International Edition in English</i> , <b>1994</b> , 33, 356-357		41
253	Synthesis and characterization of the isoelectronic d <sup>10</sup> species bis[bis(methyldiphenylsilyl)amido]cuprate(1-) and -zinc. <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 5013-5015	5.1	41
252	Heavier Main Group Dimetallene Reactivity: Effects of Frontier Orbital Symmetry. <i>Organometallics</i> , <b>2013</b> , 32, 2278-2286	3.8	40
251	Unusual electrocyclic rearrangements with group 14 element compounds: reversible isomerization of a $\pi$ -bromatic digermyl complex with carbon-carbon and germanium-germanium multiple bond cleavage. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 180-3	16.4	40
250	Structural Characterization of the "Magnesylamine" [(Et <sub>2</sub> O)Mg(Cl){N(SiMe <sub>3</sub> ) <sub>2</sub> }] <sub>2</sub> and the Two-Coordinate Magnesium Amide Mg{N(SiMePh <sub>2</sub> ) <sub>2</sub> }] <sub>2</sub> . <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 4800-4803	5.1	40
249	Synthesis and Structure of the Novel Ga <sub>3</sub> P <sub>3</sub> Ring Compound [(2,4,6-Ph <sub>3</sub> C <sub>6</sub> H <sub>2</sub> )GaP(cyclo-C <sub>6</sub> H <sub>11</sub> )] <sub>3</sub> . <i>Angewandte Chemie International Edition in English</i> , <b>1991</b> , 30, 691-693		40
248	Influence of Ligand Modifications on Structural and Spectroscopic Properties in Terphenyl Based Heavier Group 14 Carbene Homologues. <i>Organometallics</i> , <b>2015</b> , 34, 2222-2232	3.8	39
247	Primary alanes and alanates: useful synthetic reagents in aluminum chemistry. <i>Polyhedron</i> , <b>2000</b> , 19, 1649-1661	2.7	39
246	Synthesis and x-ray crystal structure of [Li <sub>2</sub> Cu <sub>2</sub> (CH <sub>2</sub> SiMe <sub>3</sub> ) <sub>4</sub> (SMe <sub>2</sub> ) <sub>2</sub> ].infin.: the first detailed structural characterization of a lithium dialkylcuprate aggregate. <i>Organometallics</i> , <b>1990</b> , 9, 1720-1722	3.8	39
245	Synthese und Struktur von [MeAlN(2,6- <i>i</i> Pr <sub>2</sub> C <sub>6</sub> H <sub>3</sub> )] <sub>3</sub> : Ein Aluminium-Stickstoff-Analogon von Borazol. <i>Angewandte Chemie</i> , <b>1988</b> , 100, 1765-1766	3.6	39

244	Transition Metal Complexes Stabilized by Bulky Terphenyl Ligands: Application to Metal-Metal Bonded Compounds. <i>Structure and Bonding</i> , <b>2010</b> , 59-111	0.9	38
243	New terphenylphenoxides of group 13 and 14 elements. <i>Polyhedron</i> , <b>2006</b> , 25, 477-483	2.7	38
242	Structural characterization of a higher order cuprate: x-ray crystal structure of [Li <sub>3</sub> Cu <sub>2</sub> Ph <sub>5</sub> (SMe <sub>2</sub> ) <sub>4</sub> ]. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 4135-4136	16.4	38
241	Synthesis and characterization of the neutral three-coordinate [aluminum and gallium] thiolate complexes Al[S(2,4,6-tert-Bu <sub>3</sub> C <sub>6</sub> H <sub>2</sub> )] <sub>3</sub> and Ga[S(2,4,6-tert-Bu <sub>3</sub> C <sub>6</sub> H <sub>2</sub> )] <sub>3</sub> . <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 2633-2637	5.1	38
240	Synthesis and x-ray crystal structure of the first transition-metal cluster involving framework phosphorus-phosphorus double bonds. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 1495-1496	16.4	38
239	Crystal and molecular structure of chloramine-T trihydrate. Absence of a sodium-nitrogen interaction in the oxidant. N-chloro-N-sodiotoluene-p-sulfonamide. <i>Inorganic Chemistry</i> , <b>1986</b> , 25, 4057-4058	5.1	38
238	Dispersion Forces, Disproportionation, and Stable High-Valent Late Transition Metal Alkyls. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14766-14769	16.4	37
237	Nature of bonding in group 13 dimetallenes: a delicate balance between singlet diradical character and closed shell interactions. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 10992-1000	5.1	37
236	Synthesis, Characterization, and CO Elimination of Ferrio-Substituted Two-Coordinate Germynes and Stannylenes. <i>Organometallics</i> , <b>2011</b> , 30, 6316-6322	3.8	37
235	Unique structural isomerism involving tetrazole and amide/azide derivatives of gallium. <i>Chemical Communications</i> , <b>2001</b> , 1184-1185	5.8	37
234	Reaction of the Primary Alane (2,4,6-t-Bu(3)H(2)C(6)AlH(2))(2) with Nitriles, Isonitriles, and Primary Amines. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 6906-6911	5.1	37
233	Synthesis and Characterization of the Organoiodocuprate Complexes [Li(THF) <sub>4</sub> ][2,6-Mes <sub>2</sub> H <sub>3</sub> C <sub>6</sub> Cu <sub>2</sub> I <sub>2</sub> ] (Mes = C <sub>6</sub> H <sub>2</sub> -2,4,6-Me <sub>3</sub> ) and (Et <sub>2</sub> O) <sub>2</sub> Li[ICuC <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> ] (Trip = C <sub>6</sub> H <sub>2</sub> -2,4,6-i-Pr <sub>3</sub> ). <i>Organometallics</i> , <b>1999</b> , 18, 697-700	3.8	37
232	Synthesis and x-ray structural characterization of the metal borylamide complexes Li(Et <sub>2</sub> O) <sub>2</sub> NPhBMes <sub>2</sub> , (THF)(Et <sub>2</sub> O) <sub>2</sub> LiClCo{NPhBMes <sub>2</sub> } <sub>2</sub> , and Mn{NMesBMes <sub>2</sub> } <sub>2</sub> .cntdot.3PhMe (Mes = 2,4,6-Me <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ): modified amide ligands with poor bridging and .pi.-donor characteristics. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 4851-4854	16.4	37
231	Synthesis and x-ray crystal structures of the mono- and binuclear arylmanganate complexes [(Li(Et <sub>2</sub> O) <sub>2</sub> ) <sub>2</sub> Mn <sub>2</sub> Ph <sub>6</sub> ], [Li(THF) <sub>4</sub> ] <sub>2</sub> [Mn <sub>2</sub> Ph <sub>6</sub> ], and [Li(THF) <sub>4</sub> ][MnMes <sub>3</sub> ]. <i>Organometallics</i> , <b>1988</b> , 7, 1801-1806	2.8	37
230	Syntheses and x-ray crystal structures of two new transition metal complexes having diphosphene ligands in novel bonding modes. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 7750-7751	16.4	37
229	Ready oxidative addition of an alkyl or aryl halide to a tin(II) alkyl or amide; evidence for a free-radical pathway. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1976</b> , 256		37
228	Facile, High-Yield Functionalization of Germanium and Tin by Oxidative Insertion of Tetrelenes into the E-Bonds of Inorganic Acids (E = C, N, O, F): Arene Elimination versus Oxidative Addition and Formation of a Germanium Cation-Water Complex. <i>Organometallics</i> , <b>2013</b> , 32, 617-622	3.8	36
227	Reversible complexation of isocyanides by the distannyne Ar'SnSnAr' (Ar' = C(6)H(3)-2,6(C(6)H(3)-2,6-(i)Pr(2))(2)). <i>Chemical Communications</i> , <b>2010</b> , 46, 943-5	5.8	36

- 226 Synthesis and Characterization of Lewis Base-Free,  $\pi$ -Bonded Lithium Aryls: A Structural Model for Unsolvated Phenyllithium in the Solid State. *Journal of the American Chemical Society*, **1997**, 119, 2847-2852 16.4 36
- 225 (THFMgNPh)<sub>6</sub> as an imide transfer agent: synthesis of titanium and zirconium imido complexes. *Journal of Organometallic Chemistry*, **1996**, 513, 173-180 2.3 36
- 224 Synthesis and structural characterization of magnesium and cobalt derivatives of the bulky aryl ligand  $\pi$ -C<sub>6</sub>H<sub>3</sub>-2,6-Mes<sub>2</sub>. *Journal of Organometallic Chemistry*, **1996**, 526, 263-267 2.3 36
- 223 An Update on Multiple Bonding between Heavier Main Group Elements: The Importance of Pauli Repulsion, Charge-Shift Character, and London Dispersion Force Effects. *Organometallics*, **2020**, 39, 4127-4138 2.8 35
- 222 Synthesis and structural characterization of a series of dimeric metal(II) imido complexes {M( $\mu$ -NAr(#))<sub>2</sub> [M = Ge, Sn, Pb; Ar(#) = C<sub>6</sub>H<sub>3</sub>-2,6-(C<sub>6</sub>H<sub>2</sub>-2,4,6-Me<sub>3</sub>)<sub>2</sub>] and the related monomeric primary amido derivatives M{N(H)Ar(#)}<sub>2</sub> (M = Ge, Sn, Pb): spectroscopic manifestations of secondary metal-ligand interactions. *Inorganic Chemistry*, **2010**, 49, 7097-105 5.1 35
- 221 Reactions of Terphenylbismuth Dihalides with KSi(SiMe<sub>3</sub>)<sub>3</sub>, K<sub>2</sub>Si<sub>2</sub>(SiMe<sub>3</sub>)<sub>4</sub> and Na<sub>2</sub>[Fe(CO)]<sub>4</sub>: Reduction vs. Metathesis. *European Journal of Inorganic Chemistry*, **2008**, 2008, 2515-2521 2.3 35
- 220 Synthesis and Structure of Unassociated Mono-, Di- and Trithiolate Derivatives of Aluminum and Gallium: Investigation of Al-S and Ga-S  $\pi$ -Bonding. *Inorganic Chemistry*, **1995**, 34, 2593-2599 5.1 35
- 219 New Routes to Synthetically Useful, Sterically Encumbered Arylaluminum Halides and Hydride Halides. *Inorganic Chemistry*, **1996**, 35, 3262-3267 5.1 35
- 218 Reversible Coordination of H by a Distannyne. *Journal of the American Chemical Society*, **2018**, 140, 590-594 5.4 34
- 217 Unusual magnetic properties of a two-coordinate heteroleptic linear cobalt(II) complex. *Chemical Communications*, **2010**, 46, 4466-8 5.8 34
- 216 Low-Temperature Synthesis of Aluminum Sulfide as the Solvate Al<sub>4</sub>S<sub>6</sub>(NMe<sub>3</sub>)<sub>4</sub> in Hydrocarbon Solution. *Journal of the American Chemical Society*, **1997**, 119, 9566-9567 16.4 34
- 215 Synthesis and Characterization of Ge(II), Sn(II), and Pb(II) Monoamides with -NH<sub>2</sub> Ligands. *Inorganic Chemistry*, **2005**, 44, 2774-80 5.1 34
- 214 A monomeric thallium(I) amide in the solid state: synthesis and structure of TlN(Me)ArMes<sub>2</sub> (ArMes<sub>2</sub> = C<sub>6</sub>H<sub>3</sub>-2,6-Mes<sub>2</sub>). *Inorganic Chemistry*, **2005**, 44, 3368-70 5.1 34
- 213 Metal-rich, neutral and cationic organotin clusters. *Angewandte Chemie - International Edition*, **2005**, 44, 2546-9 16.4 34
- 212 Bonding and Reactivity of a  $\pi$ -Diketiminato, Gallium(I), Carbene Analogue. *ACS Symposium Series*, **2002**, 2-15 0.4 33
- 211 Silylamine mit pyramidal umgebenem Stickstoff. *Angewandte Chemie*, **1993**, 105, 459-461 3.6 33
- 210 Synthesis and spectroscopic and x-ray structural characterization of the first homoleptic transition-metal boryloxides [Mn(OBTrip<sub>2</sub>)( $\mu$ -OBTrip<sub>2</sub>)]<sub>2</sub> and [Fe(OBMes<sub>2</sub>)( $\mu$ -OBMes<sub>2</sub>)]<sub>2</sub>. *Inorganic Chemistry*, **1991**, 30, 2884-2888 5.1 33
- 209 Counterintuitive mechanisms of the addition of hydrogen and simple olefins to heavy group 13 alkene analogues. *Journal of the American Chemical Society*, **2013**, 135, 1952-60 16.4 32

208	Steric Enhancement of Group 12 Metal Hydride Stability and the Reaction of an Arylzinc Hydride with Tetramethylpiperidiny Oxide (TEMPO). <i>Organometallics</i> , <b>2009</b> , 28, 2091-2095	3.8	32
207	An arene-stabilized cobalt(II) aryl: reactions with CO and NO. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 10205-7	5.1	32
206	Synthesis of the sterically congested diarylphosphines ArTrip2P(Ph)H(ArTrip2=C6H3-2,6(C6H2-2,4,6-Pri3)) and ArMes2P(Ph)H(ArMes2=C6H3-2,6(C6H2-2,4,6-Me3)) and the monomeric Sn(II)-diphosphide [ArMes2P(Ph)]2Sn. <i>Inorganica Chimica Acta</i> , <b>2007</b> , 360, 1278-1286	2.7	32
205	Uncommon $\pi$ -(N,C,C)-1-Azaallyl Bonding Mode for the Nacnac Ligand: A Bis( $\eta^5$ -diketiminato)uranium(III) Iodide Complex. <i>Organometallics</i> , <b>2004</b> , 23, 4801-4803	3.8	32
204	Reactions of M{N(SiMe3)2}2 (M=Mn, Fe or Co) with pyridine and 4,4'-bipyridyl: structural and magnetic studies. <i>Polyhedron</i> , <b>2003</b> , 22, 67-73	2.7	32
203	Synthesis of the monomeric HBtrip2 (trip = 2,4,6-iso-Pr3C6H2) and the x-ray crystal structures of [HBmes2]2 (Mes = 2,4,6-Me3C6H2) and HBtrip2. <i>Organometallics</i> , <b>1990</b> , 9, 146-150	3.8	32
202	Syntheses and x-ray crystal structures of the compounds [ArPAS]2 and [ArPSb]2 (Ar = 2,4,6-(tert-Bu)3C6H2. P2As2- and P2Sb2-substituted analogs of bicyclo[1.1.0]butane. <i>Organometallics</i> , <b>1990</b> , 9, 1459-1463	3.8	32
201	Synthesis and structure of the neutral three-coordinate gallium selenolate Ga[Se(2,4,6-tert-Bu3C6H2)]3 and the monomeric lithium selenolate Li(THF)3Se(2,4,6-tert-Bu3C6H2). <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 3683-3686	5.1	32
200	A boron-centered radical: a potassium-crown ether stabilized boryl radical anion. <i>Chemical Communications</i> , <b>2016</b> , 52, 12714-12716	5.8	32
199	Reversible Dimerizations of persistent organic radical cations. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 589-92	16.4	31
198	Nature of M-E Bonds in Metallosilylenes, -germylenes, -stannylenes, and -plumbylenes [(E-C5H5)(Me3P)(H)2M(EPh)] (M = Fe, Ru, Os; E = Si, Ge, Sn, Pb). <i>Organometallics</i> , <b>2011</b> , 30, 3353-3361	3.8	31
197	Reaction of {HC(CMeNAr)2}Li (Ar=2,6-i-Pr2C6H3) with indium monochloride to yield the In $\eta^5$ bonded dimer [{HC(CMeNAr)2}InCl]2 and the hydroxide [{HC(CMeNAr)2}InCl( $\eta^5$ OH)]2. <i>Polyhedron</i> , <b>2002</b> , 21, 525-529	2.7	31
196	Mössbauer study of the three-coordinate planar Fe(II) thiolate complex [Fe(SR)(3)](-) (R = C(6)H(2)-2,4,6-tBu(3)): model for the trigonal iron sites of the MoFe(7)S(9):homocitrate cofactor of nitrogenase. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 2690-6	5.1	31
195	New Copper Chemistry. 22. Synthesis and Characterization of [Cu3Ph2(PMDTA)2]+: A Cationic Organocopper(I) Species. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 6963-6964	16.4	31
194	Self-assembly of molybdenum-iron-sulfur clusters as a synthetic approach to the molybdenum site in nitrogenase. Identification of the major products formed by the system FeCl3/MS42-/C2H5SH (M = Molybdenum, tungsten). <i>Journal of the American Chemical Society</i> , <b>1979</b> , 101, 5454-5456	16.4	31
193	Reactions of Alkenes and Alkynes with an Acyclic Silylene and Heavier Tetrylenes under Ambient Conditions. <i>Organometallics</i> , <b>2014</b> , 33, 6253-6258	3.8	30
192	Synthesis and Structure of the Solvent-Free Sodium Aryl (NaC6H3-2,6-Mes2)2. <i>Organometallics</i> , <b>1997</b> , 16, 3258-3260	3.8	30
191	Characterization of Ar'Sn(micro-Br)Sn(Ar')CH2C6H4-4-Pri (Ar' = C6H3-2,6-Dipp2; Dipp = C6H3-2,6-Pri2): a stable structural analogue for a heavier group 14 element monobridged alkene isomer HM(micro-H)MH2 (M = Sn or Pb). <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 4106-7	16.4	30

190	Tri- and tetra-meric copper(I) amides {Cu[N(SiMePh <sub>2</sub> ) <sub>2</sub> ]} <sub>3</sub> and {Cu[N(SiMe <sub>2</sub> Ph) <sub>2</sub> ]} <sub>4</sub> . <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1992</b> , 451		30
189	New class of .sigma.-bonded aliphatic aza-macrocyclic complexes of transition metals: synthesis and x-ray crystal structures of nitrogen-bridged [(TiN <sub>4</sub> C <sub>12</sub> H <sub>24</sub> ) <sub>2</sub> ] and the oxo-bridged species [(N <sub>4</sub> C <sub>12</sub> H <sub>25</sub> )TiOTi(N <sub>4</sub> C <sub>12</sub> H <sub>25</sub> )]. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 2927-2928	16.4	30
188	Linear and nonlinear two-coordinate vanadium complexes: synthesis, characterization, and magnetic properties of V(II) amides. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 10720-8	16.4	29
187	Stable plumbylene dichalcogenolate monomers with large differences in their interligand angles and the synthesis and characterization of a monothiolato Pb(II) bromide and lithium trithiolato plumbate. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 3054-62	5.1	29
186	Mechanistic study of stepwise methylisocyanide coupling and C-H activation mediated by a low-valent main group molecule. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6257-61	16.4	29
185	Reactions of Phenyllithium with the Stannylene Ar*SnPh (Ar* = C <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> ; Trip = C <sub>6</sub> H <sub>2</sub> -2,4,6-Pri <sub>3</sub> ) and the Synthesis of the Distannylstannylene Sn(SnPh <sub>2</sub> Ar*) <sub>2</sub> : Contrasting Behavior in Methyl and Phenyl Derivatives. <i>Organometallics</i> , <b>2003</b> , 22, 5423-5426	3.8	29
184	Synthesis and characterization of some group 1 and 2 metal derivatives of the crowding terphenyl thiolate and selenolate ligands [C <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> (E=S or Se; Trip = 2,4,6-i-Pr <sub>3</sub> C <sub>6</sub> H <sub>2</sub> )] <i>Inorganica Chimica Acta</i> , <b>1997</b> , 263, 201-207	2.7	28
183	Synthese und Struktur des Magnesiumimids [(thf)MgNPh] <sub>6</sub> . <i>Angewandte Chemie</i> , <b>1994</b> , 106, 350-351	3.6	28
182	Synthese und Röntgenstrukturanalyse von (2,4,6-Me <sub>3</sub> C <sub>6</sub> H <sub>2</sub> BPC <sub>6</sub> H <sub>11</sub> ) <sub>3</sub> , einem Bor-Phosphor-Analogon von Borazol. <i>Angewandte Chemie</i> , <b>1987</b> , 99, 1320-1321	3.6	28
181	Thorium(IV) and Uranium(IV) Halide Complexes Supported by Bulky $\beta$ -Diketiminato Ligands. <i>Organometallics</i> , <b>2013</b> , 32, 1423-1434	3.8	27
180	The Instability of Ni{N(SiMe <sub>3</sub> ) <sub>2</sub> } <sub>2</sub> : A Fifty Year Old Transition Metal Silylamide Mystery. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12914-7	16.4	27
179	Comparison of pi-Bond Strengths in M-E (M = B, Al, Ga; E = O, N, S) Compounds. Ab Initio Calculation of Rotational Barriers. <i>Inorganic Chemistry</i> , <b>1997</b> , 36, 1431-1436	5.1	27
178	Synthesis and characterization of new, modified terphenyl ligands: Increasing the rotational barrier for flanking rings. <i>Journal of Organometallic Chemistry</i> , <b>2006</b> , 691, 2540-2545	2.3	27
177	Synthesis and characterization of the monomeric digallylphosphine and digallylarsine derivatives MesP{Ga(Trip) <sub>2</sub> } <sub>2</sub> .cndot.Et <sub>2</sub> O and PhAs{Ga(Trip) <sub>2</sub> } <sub>2</sub> . <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 1309-1312	5.1	27
176	1,4-Dilithio-1,2,3,4-tetraphenyl-butadiene - crystal structure of the 1,2-dimethoxyethane adduct. <i>Journal of Organometallic Chemistry</i> , <b>1994</b> , 474, 27-30	2.3	27
175	Dispersion-Force-Assisted Disproportionation: A Stable Two-Coordinate Copper(II) Complex. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10444-7	16.4	26
174	Reaction of a germylene, stannylene, or plumbylene with trimethylaluminum and trimethylgallium: insertion into Al-C or ga-C bonds, a reversible metal-carbon insertion equilibrium, and a new route to diplumbenes. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 1940-8	5.1	26
173	Methyl-Bridged Transition Metal Complexes (M = Cr/Fe) Supported by Bulky Terphenyl Ligands. <i>Organometallics</i> , <b>2009</b> , 28, 6541-6545	3.8	26



172	Solid-state $^{119}\text{Sn}$ NMR and Mössbauer spectroscopy of "distannynes": evidence for large structural differences in the crystalline phase. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 9132-6	5.1	26
171	Synthesis and Characterization of Unassociated Aluminum Monophosphides. <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 3205-3207	5.1	26
170	Isolation and x-ray crystal structures of the homoleptic, $\sigma$ -bonded transition-metal aryl complexes $[(\text{LiEt}_2\text{O})_4\text{VPh}_6]$ and $[(\text{LiEt}_2\text{O})_3\text{CrPh}_6]$ . <i>Organometallics</i> , <b>1988</b> , 7, 1380-1385	3.8	26
169	Dispersion Force Effects on the Dissociation of "Jack-in-the-Box" Diphosphanes and Diarsanes. <i>Organometallics</i> , <b>2015</b> , 34, 2028-2033	3.8	25
168	Synthesis, structural, spectroscopic, and magnetic characterization of two-coordinate cobalt(II) aryloxides with bent or linear coordination. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 2692-8	5.1	25
167	Two-coordinate, quasi-two-coordinate, and distorted three coordinate, T-shaped chromium(II) amido complexes: unusual effects of coordination geometry on the lowering of ground state magnetic moments. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 3212-9	5.1	25
166	Tethered Heavy Dicarbene Analogues: Synthesis and Structure of Ditetraaryl Ethers $(\text{Ar}^*\text{E})_2(\text{EO})$ ( $\text{E} = \text{Ge}, \text{Sn}$ ; $\text{Ar}^* = \text{C}_6\text{H}_3\text{-2,6-(C}_6\text{H}_3\text{-2,6-}i\text{Pr}_2)_2$ ). <i>Organometallics</i> , <b>2011</b> , 30, 3468-3471	3.8	25
165	Attempted Isolation of Heavier Group 14 Element Ketone Analogues: Effect of $\text{O} \cdots \text{H} \cdots \text{Ar}$ Hydrogen Bonding on Geometry. <i>Organometallics</i> , <b>2001</b> , 20, 5105-5109	3.8	25
164	Synthesis and Structural Characterization of $\{\text{LiN}(\text{SiMe}_3)_2\text{MMe}_3\}_\infty$ ( $\text{M} = \text{Al}, \text{Ga}$ ): Amido Ligands Isoelectronic to the Alkyl Group $-\text{C}(\text{SiMe}_3)_3$ . <i>Organometallics</i> , <b>1995</b> , 14, 5488-5489	3.8	25
163	Synthesis and Structure of $\text{Mes}^*\text{AlN}(\text{Ph})\text{Al}(\text{Mes}^*)\text{N}(\text{Ph})\text{NPh}$ : A Formal Aluminum-Nitrogen Analog of the Cyclopentadienide Ion. <i>Inorganic Chemistry</i> , <b>1996</b> , 35, 2717-2718	5.1	25
162	Synthesis and Structure of $[\text{Et}_2\text{OZn}(\text{SC}_6\text{H}_2\text{tBu}_3)_2]$ , the First T-Shaped Zinc Complex. <i>Angewandte Chemie International Edition in English</i> , <b>1990</b> , 29, 1403-1404		25
161	Reaction of bulky monosubstituted phosphorus(III) halides with disodium pentacarbonylchromate. Steric and electronic factors in the synthesis of $\text{Cr}(\text{CO})_5$ complexes of diphosphenes, phosphinidenes, phosphanes, diphosphanes, and cyclopolyphosphanes. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 5499-5499	16.4	25
160	A silicon-nitrogen analog of the $[\text{PPN}]^+$ cation: synthesis and structural characterization of the $[\text{Ph}_3\text{SiNSiPh}_3]^-$ ion. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 6509-6510	16.4	25
159	The first X-ray crystal structural characterizations of alkali metal alkyl thiolates: X-ray crystal structures of $[\text{Li}_2(\text{thf})_4\{\text{SCH}(\text{SiMe}_3)_2\}_2]$ and $[\text{Li}_2(\text{thf})_{3.5}\{\text{SC}(\text{SiMe}_3)_3\}_2]$ ( $\text{thf} = \text{tetrahydrofuran}$ ). <i>Journal of the Chemical Society Chemical Communications</i> , <b>1985</b> , 1674		25
158	Reversible Sn-Sn Triple Bond Dissociation in a Distannylene: Support for Charge-Shift Bonding Character. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 12527-12530	16.4	24
157	Experimental and Computational Study of Auxiliary Molecular Effects on the Mechanism of the Addition of Hydrazines to a Low-Valent Germanium Complex. <i>Organometallics</i> , <b>2012</b> , 31, 3768-3772	3.8	24
156	Synthesis and Structures of Low-Valent Alkynyl Tin and Germanium Complexes Supported by Terphenyl Ligands: Heavier Group 14 Element Enediyne Analogues. <i>Organometallics</i> , <b>2010</b> , 29, 5585-5590	3.8	24
155	Chalcogenide/Chalcogenolate Structural Isomers of Organo Group 13 Element Derivatives: Reactions of the Dimetallenes $\text{Ar}^*\text{MMAr}^*$ ( $\text{Ar}^* = \text{C}_6\text{H}_3\text{-2,6-(C}_6\text{H}_3\text{-2,6-}i\text{Pr}_2)_2$ ; $\text{M} = \text{Ga or In}$ ) with $\text{N}_2\text{O}$ or $\text{S}_8$ To Give $(\text{Ar}^*\text{MIIE})_2$ ( $\text{E} = \text{O or S}$ ) and the Synthesis and Characterization of $[\text{Ar}^*\text{EMI}]_2$ ( $\text{M} = \text{In or Tl}$ , $\text{E} = \text{O, S}$ ). <i>Organometallics</i> , <b>2009</b> , 28, 2512-2518	3.8	24

154	In(InTrip2)3: ein neuartiger In4-Cluster mit kurzen In-In-Bindungen und trigonal-planarer Geometrie. <i>Angewandte Chemie</i> , <b>1996</b> , 108, 2528-2530	3.6	24
153	Second-Order Jahn-Teller (SOJT) Structural Distortions in Multiply Bonded Higher Main Group Compounds. <i>Organometallics</i> , <b>2018</b> , 37, 2929-2936	3.8	24
152	Multiple Bonding Between Heavier Group 13 Elements. <i>Structure and Bonding</i> , <b>2002</b> , 57-84	0.9	24
151	Dynamic Behavior and Isomerization Equilibria of Distannenes Synthesized by Tin Hydride/Olefin Insertions: Characterization of the Elusive Monohydrido Bridged Isomer. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6586-6595	16.4	23
150	Synthesis and characterization of the M(II) (M = Ge, Sn, or Pb) phosphinidene dimers {M(EAr')}2 (Ar' = C6H3-2,6-(C6H3-2,6-Pr(i)2)2). <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 8481-6	5.1	23
149	Synthesis and characterization of the lithium organoargentate salts [Li(THF)4][Ag(Triph)2]·THF and [Li(THF)4][Ag(C6H3-2,6-Mes2)2]·1/8OEt2 (Triph = C6H2-2,4,6-Ph3; Mes = C6H2-2,4,6-Me3). <i>Journal of Organometallic Chemistry</i> , <b>1999</b> , 589, 234-238	2.3	23
148	A Compound with a Boron-Arsenic Double Bond. <i>Angewandte Chemie International Edition in English</i> , <b>1990</b> , 29, 1033-1035		23
147	Do nonclassical silabenzene anions exist? Synthesis and crystal structure of crown ether-stabilized lithium silacyclohexadienides, Li(12-crown-4)2Me2SiC5H5 and Li(12-crown-4)2-tert-Bu(H)SiC5H5. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 4841-4846	16.4	23
146	Synthesis and spectroscopic and structural characterization of the monomeric diborylphosphine and diphosphinoborane compounds PhP(BMes2)2 and MesB(PPh2)2 (Mes = Mesityl). <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 3919-3922	5.1	23
145	. <i>Organometallics</i> , <b>1986</b> , 5, 813-815	3.8	23
144	Catalytic dehydrocoupling of amines and boranes by an incipient tin(ii) hydride. <i>Chemical Communications</i> , <b>2016</b> , 52, 13656-13659	5.8	23
143	Tin(II) Hydrides as Intermediates in Rearrangements of Tin(II) Alkyl Derivatives. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6596-6604	16.4	22
142	Addition of Ethylene or Hydrogen to a Main-Group Metal Cluster under Mild Conditions. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3873-3876	3.6	22
141	Compounds with M3Se3 (M = lithium, zinc) rings: synthesis and characterization of [Zn(CH2SiMe3)Se-2,4,6-tert-Bu3C6H2]3.cntdot.0.5C6H14 and [Li(THF)Se-2,4,6-tert-Bu3C6H2]3.cntdot.PhMe. <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 4505-4508	5.1	22
140	Syntheses, structures, and spectroscopic studies of several new classes of compounds having boron-arsenic bonds. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 3221-3226	16.4	22
139	Reactions of low-coordinate transition-metal amides with secondary phosphanes and arsanes: synthesis, structural, and spectroscopic studies of [M{N(SiMe3)2}(μ-PMes2)]2 (M = manganese, iron), [Mn{N(SiMe3)2}(μ-AsMes2)]2 and Mes2AsAsMes2. <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 1783-1787	5.1	22
138	Syntheses and x-ray crystal structures of two new classes of macrocyclic ligands having both phosphorus and nitrogen donor atoms. <i>Inorganic Chemistry</i> , <b>1984</b> , 23, 2550-2552	5.1	22
137	A ditetrylyne as a π-electron donor: synthesis and characterization of [AgAr'GeGeAr'](+)SbF6(-) and [Ag2Ar'GeGe(F)Ar'](+)SbF6(-) (Ar' = C6H3-2,6(C6H3-2,6-Pr(i)2)2). <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 13150-1	16.4	21

136	Synthesis and structural characterization of (THF) <sub>3</sub> Na{(SnC <sub>6</sub> H <sub>3</sub> 2,6-Trip <sub>2</sub> ) <sub>2</sub> } (Trip=C <sub>6</sub> H <sub>2</sub> -2,4,6-i-Pr <sub>3</sub> ): effects of cation/anion association on Sn-Sn multiple bonding. <i>Journal of Organometallic Chemistry</i> , <b>1999</b> , 582, 100-102	2.3	21
135	A compound with severely distorted geometry at ligated carbon: synthesis and x-ray crystal structure of Bi[CH(SiMe <sub>3</sub> ) <sub>2</sub> ] <sub>3</sub> , a trialkylbismuth complex with high thermal stability. <i>Inorganic Chemistry</i> , <b>1983</b> , 22, 3421-3424	5.1	21
134	Syntheses and x-ray crystal structures of highly dissociated rhodium(I) phosphine complexes using very bulky phosphine ligands. <i>Organometallics</i> , <b>1984</b> , 3, 657-663	3.8	21
133	Hydroalumination of Alkenes and Alkynes by Primary Aluminum Hydrides under Mild Conditions. <i>Organometallics</i> , <b>2014</b> , 33, 6232-6240	3.8	20
132	Reversible Complexation of Lewis Bases to Low-Coordinate Fe(II), Co(II), and Ni(II) Amides: Influence of the Metal, Donor Ligand, and Amide Substituent on Binding Constants. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 9892-9902	5.1	20
131	Synthesis, structural investigation and thermal properties of a novel manganese complex Mn <sub>2</sub> (DAT) <sub>2</sub> Cl <sub>4</sub> (H <sub>2</sub> O) <sub>4</sub> (DAT=1,5-diaminotetrazole). <i>Journal of Hazardous Materials</i> , <b>2010</b> , 178, 1094-9	12.8	20
130	Reactivity of Organogallium-Amine Adducts and Gallium Amides toward Some Nonhydrolytic Gel Precursor Mixtures. <i>Chemistry of Materials</i> , <b>1996</b> , 8, 2745-2750	9.6	20
129	Tantalum(V) Phosphinidene Complexes as Phospha-Wittig Reagents. <i>Angewandte Chemie International Edition in English</i> , <b>1993</b> , 32, 850-851		20
128	The Monomeric Alane-diyl AlAr (Ar = CH-2,6-(CH-2,4,6-Pr)-3,5-Pr): An Organoaluminum(I) Compound with a One-Coordinate Aluminum Atom. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 20554-20559	16.4	20
127	The Structures of Organocuprates and Heteroorganocuprates and Related Species in Solution and in the Solid State. <i>Progress in Inorganic Chemistry</i> , 75-112		20
126	Reversible Complexation of Alkynes by a Germylene. <i>Organometallics</i> , <b>2019</b> , 38, 1421-1424	3.8	19
125	Terphenyl complexes of molybdenum and tungsten with quadruple metal-metal bonds and bridging carboxylate ligands. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9173-80	16.4	19
124	Synthesis and characterization of two of the three isomers of a germanium-substituted bicyclo[2.2.0]hexane diradicaloid: stretching the Ge-Ge bond. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 4593-7	16.4	19
123	Multiple Ga-Ga Bonding Character in Na [Ga(GaTrip) ], and a Comparison with Neutral Ga(GaTrip) (Trip=2,4,6-iPr C H ). <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 3152-3154	16.4	19
122	Synthesis and Structural Characterization of [(Et <sub>2</sub> O)Mg] <sub>6</sub> (NPh) <sub>4</sub> Br <sub>4</sub> ]: A Magnesium-Imide Cage Species Derived from a Dimagnesiumamine Solution. <i>Angewandte Chemie International Edition in English</i> , <b>1994</b> , 33, 1000-1001		19
121	Synthesis and structural characterization of a novel cluster with a Ga-P framework. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 3597-3599	16.4	19
120	Unusual bonding in the secondary aminophosphine [HP{N(SiMe <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> ] <sub>2</sub> : x-ray structures and NMR and IR studies of the main Group V amino compounds HE(NR <sub>2</sub> ) <sub>2</sub> (E = P, As, R = SiMe <sub>3</sub> ; E = P, R = Ph). <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 2045-2049	5.1	19
119	Counterintuitive Interligand Angles in the Diaryls E{C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>2</sub> -2,4,6-iPr <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> (E = Ge, Sn, or Pb) and Related Species: The Role of London Dispersion Forces. <i>Organometallics</i> , <b>2018</b> , 37, 2075-2085	3.8	18

118	Reactions of m-Terphenyl-Stabilized Germylene and Stannylene with Water and Methanol: Oxidative Addition versus Arene Elimination and Different Reaction Pathways for Alkyl- and Aryl-Substituted Species. <i>Organometallics</i> , <b>2015</b> , 34, 5785-5791	3.8	18
117	Detection of a rotation barrier around a bond between heavier Main Group 3 and 5 elements. <i>Inorganic Chemistry</i> , <b>1992</b> , 31, 4038-4039	5.1	18
116	Isolation and x-ray crystal structure of the lithiated phosphoranide [Li(THF)cyclenP] <sub>x</sub> and the x-ray crystal and electron diffraction structures of cyclenPH. <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 3012-3018	5.1	18
115	Facile C-H Bond Metathesis Mediated by a Stannylene. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 5674-5677	16.4	17
114	Synthesis and structure of two lithium terphenyls and a fluoride rich terphenyl lithium species. <i>Journal of Organometallic Chemistry</i> , <b>2005</b> , 690, 1638-1644	2.3	17
113	A primary monomeric alane: [N,N'-bis(2,6-diisopropylphenyl)pentane-2,4-diiminato-N,N']dihydridoaluminium. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2001</b> , 57, m227-m228		17
112	Facile insertion of ethylene into a group 14 element-carbon bond: effects of the HOMO-LUMO energy gap on reactivity. <i>Chemical Communications</i> , <b>2019</b> , 55, 405-407	5.8	16
111	Metathetical Exchange between Metal-Metal Triple Bonds. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 2233-2237	16.4	16
110	Molecular Zinc Species with Ge <sub>2</sub> Zn and Sn <sub>2</sub> Zn Bonds: A Reversible Insertion of a Stannylene into a Zinc-Carbon Bond. <i>Organometallics</i> , <b>2016</b> , 35, 2124-2128	3.8	16
109	N-H and N=C bond formation via germanium(III) diradicaloid intermediates and C-S bond cleavage in reactions of the digermynes Ar'GeGeAr' (Ar' = C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>3</sub> -2,6-Pr(i) <sub>2</sub> ) <sub>2</sub> ) with azides. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 2464-70	5.1	16
108	Reduction of digermenes with alkali metals: salts of formula M <sub>2</sub> [[Ge(H)Ar'] <sub>2</sub> ] (m = Li, Na, Or K, Ar' = terphenyl) with three different structures. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 10530-1	16.4	16
107	Models for Bonding in the Alkali Metal-Gallium Clusters K <sub>2</sub> Ga <sub>4</sub> (C <sub>6</sub> H <sub>3</sub> -2,6-Trip <sub>2</sub> ) <sub>2</sub> and Na <sub>2</sub> Ga <sub>4</sub> Trip <sub>6</sub> (Trip=C <sub>6</sub> H <sub>2</sub> -2,4,6-i-Pr <sub>3</sub> ): Importance of Alkali Metal-Aryl Interactions. <i>Journal of Cluster Science</i> , <b>2002</b> , 13, 569-586	3	16
106	Monomeric Alanes: Synthesis, Structure, and Thermolysis of MesAl(H)N(SiMe <sub>3</sub> )( <sub>2</sub> ) and a One-Pot Synthetic Route to Mes( <sub>2</sub> )AlH (Mes = -C( <sub>6</sub> )H( <sub>2</sub> )-2,4,6-t-Bu( <sub>3</sub> )). <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 2106-2109	5.1	16
105	Reaction of cyclopentadienyl zirconium derivatives with sterically encumbered arylaluminum hydrides: X-ray crystal structure of (E-C <sub>5</sub> H <sub>5</sub> ) <sub>2</sub> (H)Zr(η-H) <sub>2</sub> Al(H)C <sub>6</sub> H <sub>2</sub> -2,4,6-But <sub>3</sub> . <i>Polyhedron</i> , <b>1999</b> , 18, 1885-1888	2.7	16
104	Syntheses and characterization of the gallium-phosphorus cages {(Et <sub>2</sub> O) <sub>2</sub> Li}{t-BuGa}{P(t-Bu)} <sub>2</sub> {Ga(t-Bu) <sub>2</sub> } and {(t-Bu) <sub>2</sub> Ga}{t-BuGa}{P(t-Bu)} <sub>2</sub> {Ga(t-Bu) <sub>2</sub> }. <i>Organometallics</i> , <b>1993</b> , 12, 1592-1596	3.8	16
103	Reactions of MCl <sub>5</sub> (M = niobium or tantalum) with excess phenyllithium: structural characterization of bisbenzyne/polyphenyl derivatives of niobium and tantalum. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 1966-1968	16.4	16
102	Measurement of extreme hyperfine fields in two-coordinate high-spin Fe <sup>2+</sup> complexes by Mössbauer spectroscopy: essentially free-ion magnetism in the solid state. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 12100-7	5.1	15
101	Computational Analysis of n-π Back-Bonding in Metallylene Isocyanide Complexes R <sub>2</sub> MCNR <sup>+</sup> (M = Si, Ge, Sn; R = tBu, Ph; R <sup>+</sup> = Me, tBu, Ph). <i>Organometallics</i> , <b>2013</b> , 32, 6690-6700	3.8	15

100	Isolable Borane-Based Diradical and Triradical Fused by a Diamagnetic Transition Metal Ion. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17723-17726	16.4	15
99	Access to Stable Metalloradical Cations with Unsupported and Isomeric Metal-Metal Hemi-Bonds. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9084-7	16.4	15
98	Characterization of a Plumbylplumbylene: An Isomeric Form of a Diplumbene. <i>Organometallics</i> , <b>2005</b> , 24, 5484-5486	3.8	15
97	Synthese und Struktur von [Et <sub>2</sub> OZn(SC <sub>6</sub> H <sub>2</sub> tBu <sub>3</sub> ) <sub>2</sub> ], dem ersten T-förmigen Zink-Komplex. <i>Angewandte Chemie</i> , <b>1990</b> , 102, 1484-1485	3.6	15
96	Addition of alkynes to digermynes: experimental insight into the reaction pathway. <i>Dalton Transactions</i> , <b>2016</b> , 45, 7226-30	4.3	15
95	Synthesis, characterization, and magnetism of divalent aryl transition-metal complexes of the simplest dialkylamide, NMe <sub>2</sub> : rare T-shaped coordination at chromium. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 11594-600	5.1	14
94	Synthesis and x-ray structures of compounds having very short phosphorus-phosphorus single bonds: how much of the shortening in P-P double bonds is due to p-p .pi.-overlap?. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 6887-6888	16.4	14
93	Structural and spectroscopic properties of the cobalt(II) 3,5-di-tert-butylcatecholate tetramer having a distorted Co <sub>4</sub> O <sub>4</sub> cubane core. <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 580-583	5.1	14
92	Synthesis and Characterization of Primary Aluminum Parent Amides and Phosphides. <i>Organometallics</i> , <b>2014</b> , 33, 329-337	3.8	13
91	Intramolecular C-H Activation by Putative Terminal Two-Coordinate Manganese(III) Imido Intermediates: Hydrogen Abstraction from a Phenyl Group. <i>Organometallics</i> , <b>2010</b> , 29, 269-272	3.8	13
90	Synthese und Struktur des Ga <sub>3</sub> P <sub>3</sub> -Ringsystems [2,4,6-Ph <sub>3</sub> C <sub>6</sub> H <sub>2</sub> )GaP(cyclo-C <sub>6</sub> H <sub>11</sub> )] <sub>3</sub> . <i>Angewandte Chemie</i> , <b>1991</b> , 103, 726-727	3.6	13
89	Dispersion Forces, Disproportionation, and Stable High-Valent Late Transition Metal Alkyls. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14986-14989	3.6	13
88	New Characterization of V{N(SiMe)}: Reductions of Tris[bis(trimethylsilyl)amido]vanadium(III) and -chromium(III) To Afford the Reduced Metal(II) Anions [M{N(SiMe)}] (M = V and Cr). <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 6095-6101	5.1	12
87	Isolation and Computational Studies of a Series of Terphenyl Substituted Diplumbynes with Ligand Dependent Lead-Lead Multiple-Bonding Character. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 14370-14383	16.4	12
86	High-resolution electron microscopy and microanalysis of ordered arrays of size-controlled amorphous gallium nitride nanoparticles synthesized in situ in a block copolymer matrix. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>2002</b> , 82, 1047-1054		12
85	Die neutralen Bergangsmetallthiolate [(M(SAr) <sub>2</sub> ) <sub>2</sub> ] (M = Mn, Fe, Co; Ar = 2,4,6-tBu <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ). <i>Angewandte Chemie</i> , <b>1991</b> , 103, 308-309	3.6	12
84	[M(NMesBMes <sub>2</sub> ) <sub>2</sub> ] (M = Cr, Ni), stabile, verzerrt zweifach koordinierte d <sub>4</sub> - und d <sub>8</sub> -Komplexe. <i>Angewandte Chemie</i> , <b>1989</b> , 101, 325-327	3.6	12
83	The Reactions of Aryl Tin(II) Hydrides {AriPr <sub>6</sub> Sn(H)} <sub>2</sub> (AriPr <sub>6</sub> = C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>2</sub> -2,4,6-iPr <sub>3</sub> ) <sub>2</sub> ) and {AriPr <sub>4</sub> Sn(H)} <sub>2</sub> (AriPr <sub>4</sub> = C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>3</sub> -2,6-iPr <sub>2</sub> ) <sub>2</sub> ) with Aryl Alkynes: Substituent Dependent Structural Isomers. <i>Organometallics</i> , <b>2017</b> , 36, 3799-3805	3.8	11



82	Transition Metal Functionalization of P Using a Diarylgermylene Anchor. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 9111-9119	5.1	11
81	Reduction of terphenyl Co(II) halide derivatives in the presence of arenes: insertion of Co(I) into a C-F bond. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 1821-6	5.1	11
80	Synthesis and characterization of the titanium bisamide Ti{N(H)Ar(iPr6)}2 (Ar(iPr6) = C6H3-2,6-(C6H2-2,4,6-(i)Pr3)2 and its TiCl{N(H)Ar(iPr6)}2 precursor: Ti(II) $\rightarrow$ Ti(IV) cyclization. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 14216-23	5.1	11
79	Structural Characterization, Infrared Spectroscopy, and Theoretical Calculations for B(C6F5)3-Stabilized BenzeneAmmonia and BenzeneWater Complexes. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 11157-11160	3.6	11
78	Structure and bonding energy analysis of cationic metal-alkyne complexes of molybdenum and tungsten, [(MeCN)(PMe3)4M <sup>+</sup> EMes] <sup>+</sup> (M = Mo, W; E = Si, Ge, Sn, Pb): a theoretical study. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 7080-9	5.1	11
77	Transition Metal Acetylide Rearrangement and Coupling Induced by Coordinative Unsaturation. <i>Organometallics</i> , <b>2009</b> , 28, 5012-5016	3.8	11
76	Effects of Remote Ligand Substituents on the Structures, Spectroscopic, and Magnetic Properties of Two-Coordinate Transition-Metal Thiolate Complexes. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 6491-6502	5.1	11
75	Interaction of the bulky alane (H2AlC6H3-2,6-Mes2)2 (Mes = C6H3-2,4,6-Me3) with H2EPh (E = N, P or As). <i>New Journal of Chemistry</i> , <b>1998</b> , 22, 1125-1130	3.6	10
74	Synthesis and characterization of low valent vanadium thiolate complexes. <i>Polyhedron</i> , <b>2008</b> , 27, 2337-2340	3.4	10
73	Molecular Complexes Featuring Unsupported Dispersion-Enhanced Aluminum-Copper and Gallium-Copper Bonds. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 19874-19878	16.4	10
72	Synchrotron-based Nickel Mössbauer Spectroscopy. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 6866-72	5.1	10
71	Steric and Electronic Properties of the Bulky Terphenyl Ligand ArtBu6 (ArtBu6 = C6H3-2,6-(C6H2-2,4,6-tBu3)2) and Synthesis of Its Tin Derivatives ArtBu6SnCl, ArtBu6SnSn(H)2ArtBu6, and ArtBu6SnSnArtBu6: A New Route to a Distannyne via Thermolysis of the Acetylide ArtBu6(C $\equiv$ SnH)2ArtBu6. <i>Organometallics</i> , <b>2019</b> , 38, 1048-1054	3.8	10
70	Second order Jahn-Teller interactions at unusually high molecular orbital energy separations. <i>Dalton Transactions</i> , <b>2020</b> , 49, 5175-5182	4.3	9
69	Two quasi-stable lead(II) hydrides at ambient temperature. <i>Chemical Communications</i> , <b>2019</b> , 55, 10285-10287	10.287	9
68	Reversible Dimerizations of Persistent Organic Radical Cations. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 617-620	3.6	9
67	Synthesis and Structure of the Bis(amido)sodate Salt Na[Na{N(SiMe3)2AlMe3}2]: An Na <sup>+</sup> Ion Complexed Solely by Na <sup>+</sup> $\cdots$ H3C $\cdots$ Interactions. <i>Organometallics</i> , <b>1996</b> , 15, 4107-4109	3.8	9
66	Synthesis and Reactions of Novel Boron-Phosphorus Compounds. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1990</b> , 51, 87-91	1	9
65	Bulky alkyls and amides of main group 5 elements II. Rotational barriers in phosphorus compounds containing bulky groups. <i>Magnetic Resonance in Chemistry</i> , <b>1978</b> , 11, 499-501		9

64	Cleavage of Ge-Ge and Sn-Sn Triple Bonds in Heavy Group 14 Element Alkyne Analogues (EAriPr <sub>4</sub> ) <sub>2</sub> (E = Ge, Sn; AriPr <sub>4</sub> = C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>3</sub> -2,6-iPr <sub>2</sub> ) <sub>2</sub> ) by Reaction with Group 6 Carbonyls. <i>Organometallics</i> , <b>2016</b> , 35, 2759-2767	3.8	9
63	Stable, Monomeric Imides of Aluminum and Gallium: Synthesis and Characterization of. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 2172-2174	16.4	9
62	Reactions of Terphenyl-Substituted Digallene AriPr <sub>4</sub> GaGaAriPr <sub>4</sub> (AriPr <sub>4</sub> = C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>3</sub> -2,6-iPr <sub>2</sub> ) <sub>2</sub> ) with Transition Metal Carbonyls and Theoretical Investigation of the Mechanism of Addition. <i>Organometallics</i> , <b>2016</b> , 35, 579-586	3.8	8
61	Analysis of the bonding between two M(ENAr(#)) monomers in the dimeric metal(II) imido complexes {M(ENAr(#))} <sub>2</sub> [M = Si, Ge, Sn, Pb; Ar(#) = C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>2</sub> -2,4,6-R <sub>3</sub> ) <sub>2</sub> ]. The stabilizing role played by R = Me and iPr. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 2325-32	5.1	8
60	Half-Sandwich Metal Carbonyl Complexes as Precursors to Functional Materials: From a Near-Infrared-Absorbing Dye to a Single-Molecule Magnet. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12069-12075	16.4	8
59	Synthesis and characterization of the unusual cluster [Ni <sub>2</sub> (GaAr?) <sub>2</sub> (μ:μ'-D-C <sub>2</sub> H <sub>4</sub> )]: Ready addition of ethylene to Ni(COD)(GaAr?) <sub>2</sub> at 25 °C and 1 atmosphere. <i>Journal of Organometallic Chemistry</i> , <b>2011</b> , 696, 2217-2219	2.3	8
58	Synthesis of the Sterically Related Nickel Gallanediyl Complexes [Ni(CO) <sub>3</sub> (GaAr?)] (Ar? = C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>3</sub> -2,6-iPr <sub>2</sub> ) <sub>2</sub> ) and [Ni(CO) <sub>3</sub> (GaL)] (L = HC[C(CH <sub>3</sub> )N(C <sub>6</sub> H <sub>3</sub> -2,6-iPr <sub>2</sub> ) <sub>2</sub> ]: Thermal Decomposition of [Ni(CO) <sub>3</sub> (GaAr?)] to give the Cluster [Ni <sub>4</sub> (CO) <sub>7</sub> (GaAr?) <sub>3</sub> ]. <i>Journal of Cluster Science</i> , <b>2010</b> , 21, 449-460	3	8
57	[(Et <sub>2</sub> O)Mg] <sub>6</sub> (NPh) <sub>4</sub> Br <sub>4</sub> ]: eine aus einer Imidobis(magnesiumbromid)-Lösung erhaltene Magnesiumimid-Küßerverbindung. <i>Angewandte Chemie</i> , <b>1994</b> , 106, 1056-1057	3.6	8
56	Eine Verbindung mit Bor-Arsen-Doppelbindung. <i>Angewandte Chemie</i> , <b>1990</b> , 102, 1061-1062	3.6	8
55	Two-Coordinate, Late First-Row Transition Metal Amido Derivatives of the Bulky Ligand -N(SiPr) <sub>2</sub> Dipp (Dipp = 2,6-diisopropylphenyl): Effects of the Ligand on the Stability of Two-Coordinate Copper(II) Complexes. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 8793-8799	5.1	7
54	Quasi-three-coordinate iron and cobalt terphenoxide complexes {Ar(iPr <sub>8</sub> )OM(EO)} <sub>2</sub> (Ar(iPr <sub>8</sub> ) = C <sub>6</sub> H-2,6-(C <sub>6</sub> H <sub>2</sub> -2,4,6-(i)Pr <sub>3</sub> ) <sub>2</sub> -3,5-(i)Pr <sub>2</sub> ; M = Fe or Co) with M(III) <sub>2</sub> (EO) <sub>2</sub> core structures and the peroxide dimer of 2-oxepinoxy relevant to benzene oxidation. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 8914-22	5.1	7
53	Synthesis and Structural Characterization of a Dimeric Cobalt(I) Homoleptic Alkyl and an Iron(II) Alkyl Halide Complex. <i>Organometallics</i> , <b>2014</b> , 33, 1917-1920	3.8	7
52	Synthesis and molecular structures of the 1,2-dihalogen derivatives of Ga(II) and In(II), [{Ga(ArMe <sub>6</sub> ) <sub>2</sub> }] <sub>2</sub> , [{InCl(ArMe <sub>6</sub> ) <sub>2</sub> }] <sub>2</sub> , [{In(ArMe <sub>6</sub> ) <sub>2</sub> }] <sub>2</sub> , and [{In <sub>4</sub> Cl <sub>2</sub> I <sub>2</sub> (ArMe <sub>6</sub> ) <sub>4</sub> }], ArMe <sub>6</sub> C <sub>6</sub> H <sub>3</sub> -2,6-(C <sub>6</sub> H <sub>2</sub> -2,4,6-Me <sub>3</sub> ) <sub>2</sub> . <i>Polyhedron</i> , <b>2013</b> , 58, 144-150	2.7	7
51	Access to Stable Metalloradical Cations with Unsupported and Isomeric Metal-Metal Hemi-Bonds. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 9212-9215	3.6	7
50	Synthesis and thermolytic behavior of tin(IV) formates: in search of recyclable metal-hydride systems. <i>Dalton Transactions</i> , <b>2010</b> , 39, 10659-63	4.3	7
49	Preface: forum on main-group chemistry from synthesis to applications. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 12221-2	5.1	7
48	Bonding and metal-atom dynamics in two unique Sn(I)-Sn(III) complexes. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 9461-3	5.1	7
47	Synthesis and solid state structures of increasingly sterically crowded 1,4-diiodo-2,3,5,6-tetraarylbenzenes: a new series of bulky benzenes and aryls. <i>New Journal of Chemistry</i> , <b>2003</b> , 27, 442-445	3.6	7

46	Neutron diffraction analysis of the first stable hydride derivative of a divalent group-14 metal. <i>Comptes Rendus Chimie</i> , <b>2005</b> , 8, 1487-1490	2.7	7
45	Phosphinidentantal(v)-Komplexe als Phospha-Wittig-Reagentien. <i>Angewandte Chemie</i> , <b>1993</b> , 105, 893-894	3.4	7
44	Reactions of crowded secondary phosphines with (.eta.3-2-XC3H4)M(1,5-COD) (X = H or Me and M = Rh or Ir). <i>Organometallics</i> , <b>1984</b> , 3, 1199-1204	3.8	7
43	A Monomeric Aluminum Imide (Iminoalane) with Al-N Triple-Bonding: Bonding Analysis and Dispersion Energy Stabilization. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 6351-6356	16.4	7
42	Reversible Binding of Ethylene and Propylene by Germylenes. <i>Organometallics</i> , <b>2019</b> , 38, 1425-1428	3.8	6
41	Dispersion-Force-Assisted Disproportionation: A Stable Two-Coordinate Copper(II) Complex. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10600-10603	3.6	6
40	Synthesis and spectroscopic and structural characterization of PhB[P(Mes)BMes2]2: a boron-phosphorus analog of the pentadienyl cation. <i>Organometallics</i> , <b>1992</b> , 11, 98-103	3.8	6
39	Unexpected Coordination Complexes of the Metal Tris-silylamides M{N(SiMe)} (M = Ti, V). <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 1871-1882	5.1	6
38	Synthesis of a Cyclic CoSn Cluster Using a Co Synthon. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13195-13199	16.4	6
37	TERPHENYL LIGANDS AND COMPLEXES. <i>Inorganic Syntheses</i> , <b>2018</b> , 85-122		6
36	Germanium Hydride Radical Trapped during the Photolysis/Thermolysis of Diarylgermylene. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 15034-15038	5.1	5
35	Synthesis and characterization of sterically encumbered aluminum thiolato complexes with rare Al/S/halide structural motifs. <i>Polyhedron</i> , <b>2014</b> , 79, 207-212	2.7	5
34	Insertion of a Transient Tin Nitride into Carbon-Carbon and Boron-Carbon Bonds. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 14596-14604	5.1	5
33	The Instability of Ni{N(SiMe3)2}2: A Fifty Year Old Transition Metal Silylamide Mystery. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 13106-13109	3.6	5
32	Structural and Magnetic Studies of a Quasi-Inverse Sandwich Cyclooctatetraene Complex with Two High-Spin Chromium(II) Ions Bound Anti-Facially. <i>Organometallics</i> , <b>2012</b> , 31, 8556-8560	3.8	5
31	Two-Coordinate, Nonlinear Vanadium(II) and Chromium(II) Complexes of the Silylamide Ligand-N(SiMePh): Characterization and Confirmation of Orbitally Quenched Magnetic Moments in Complexes with Sub-d Electron Configurations. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 4108-4115	5.1	5
30	Characterization of a Monomeric, Homoleptic, Solvent-Free Samarium Bis(aryloxide). <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 14044-14046	5.1	5
29	ipso-and para-Functionalization of meta-terphenyl ligands with substituted methyl groups: Unusual head-to-tail coupling of terphenyl moieties. <i>Journal of Organometallic Chemistry</i> , <b>2006</b> , 691, 2546-2553	2.3	4

28	Molecular Cages and Clusters of the Heavier Group 14 Elements (E = Si, Ge, Sn or Pb) of Formula $\text{EnRm} (\text{n} \leq 10)$ <b>2005</b> , 188-208		4
27	Structural Characterization and Coordination Behavior of 1,2-Diphosphino and 1,2-Diarsino-Diborane(4) Compounds. <i>Main Group Chemistry</i> , <b>1996</b> , 1, 197-206	0.6	4
26	Isolation of the "Open Form" of Cyclenphosphorane by Deprotonation and Reaction with Electrophilic Reagents. <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 1638-1641	5.1	3
25	Characterization of the "Absent" Vanadium Oxo $\text{V}(\text{O})\{\text{N}(\text{SiMe}_3)\}$ , Imido $\text{V}(\text{N}(\text{SiMe}_3)\{\text{N}(\text{SiMe}_3)\})$ , and Imido-Siloxy $\text{V}(\text{N}(\text{SiMe}_3)(\text{OSiMe}_3)\{\text{N}(\text{SiMe}_3)\})$ Complexes Derived from $\text{V}\{\text{N}(\text{SiMe}_3)\}$ and Kinetic Study of the Spontaneous Conversion of the Oxo Complex into Its Imido-Siloxy Isomer. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 11079-11088	5.1	3
24	DIVALENT MANGANESE, IRON, AND COBALT BIS(TRIMETHYLSILYL)AMIDO DERIVATIVES AND THEIR TETRAHYDROFURAN COMPLEXES. <i>Inorganic Syntheses</i> , <b>2018</b> , 1-14		3
23	Synthesis and structural characterization of the neutral bridged, In-In bonded indium(II) amide dimer $[(\text{In}\{\text{N}(\text{Dipp})\text{SiMe}_3\})_2(\mu_2\text{-}\eta^1\text{-}\eta^1\text{C}_5\text{H}_5)(\mu_2\text{-}\eta^1\text{-}\eta^2\text{C}_5\text{H}_5)]$ (Dipp=2,6 diisopropylphenyl). <i>Main Group Chemistry</i> , <b>2010</b> , 9, 111-115	0.6	2
22	Chlorofunctional 1,3,5,2B,4B-Triazadiphosphinines. <i>Inorganic Syntheses</i> , <b>2007</b> , 24-30		2
21	A donor-acceptor adduct: sterically encumbered terphenyl dichloro[2,6-bis(2,4,6-triisopropylphenyl)phenyl]dichloro(pyridine)gallium benzene hemisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2001</b> , 57, m88-m91		2
20	Hydrostannylation of carbon dioxide by a hydridostannylene molybdenum complex. <i>Dalton Transactions</i> , <b>2021</b> , 50, 12555-12562	4.3	2
19	Designing a Solution-Stable Distannene: The Decisive Role of London Dispersion Effects in the Structure and Properties of $\{\text{Sn}(\text{CH}_2\text{-}2,4,6\text{-Cy})\}$ (Cy = Cyclohexyl).. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 21478-21483	16.4	2
18	Reaction of $\text{LiArMe}_6$ ( $\text{ArMe}_6 = \text{C}_6\text{H}_3\text{-}2,6\text{-(C}_6\text{H}_2\text{-}2,4,6\text{-Me}_3)_2$ ) with indium(I)chloride yields three m-terphenyl stabilized mixed-valent organoindium subhalides. <i>Polyhedron</i> , <b>2016</b> , 103, 164-171	2.7	1
17	Michael Lappert (1928-2014). <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 6857	16.4	1
16	Preface for the Advances in Main-Group Inorganic Chemistry Forum. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 8597-8598	3.1	1
15	Editorial for the Mike Lappert Commemorative Issue. <i>Organometallics</i> , <b>2015</b> , 34, 2035-2036	3.8	1
14	Cover Picture: Higher-Nuclearity Group 14 Metalloid Clusters: $[\text{Sn}_9\{\text{Sn}(\text{NRR}')\}_6]$ (Angew. Chem. Int. Ed. 26/2006). <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 4219-4219	16.4	1
13	Dimeric Copper and Lithium Thiolates: Comparison of Copper Thiolates with Their Lithium Congeners. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 17641-17648	5.1	1
12	Reductions of $\text{M}\{\text{N}(\text{SiMe}_3)\}$ (M = V, Cr, Fe): Terminal and Bridging Low-Valent First-Row Transition Metal Hydrido Complexes and "Metallo-Transamination". <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 11401-11411	5.1	1
11	Reusing meta-terphenyl ligands: synthesis, metalation and recycling of 5-pyrrolidino-m-terphenyl. <i>Polyhedron</i> , <b>2022</b> , 115947	2.7	1

10	Interactions of a Diplumbyne with Dinuclear Transition Metal Carbonyls to Afford Metalloplumbylenes. <i>Organometallics</i> , <b>2020</b> , 39, 4629-4636	3.8	o
9	Hydrides, Halides, and Polymers: Some Unexpected Intermediates on the Routes to First-Row Transition Metal $M\{N(SiMe)_3\}$ ( $M = 2, 3$ ) Complexes. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 18503-18511	5.1	o
8	Insertion Reactions of $NH_3$ and $H_2O$ with the Ferriogermynes $ArGeFeCp(CO)_2$ ( $Ar = ArMe_6$ ( $C_6H_3-(C_6H_2-2,4,6-Me_3)_2$ ) or $AriPr_4$ ( $C_6H_3-(C_6H_3-2,6-iPr_2)_2$ ); $Cp = \eta^5-C_5H_5$ ): Structural Isomerism and Polymorphism in a Metallogermylene. <i>Organometallics</i> , <b>2021</b> , 40, 3472-3479	3.8	o
7	Low-Coordinate Iron Chalcogenolates and Their Complexes with Diethyl Ether and Ammonia. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 6712-6720	5.1	o
6	The Unusual Structural Behavior of Heteroleptic Aryl Copper(I) Thiolato Molecules: Cis vs Trans Structures and London Dispersion Effects. <i>Organometallics</i> , <b>2022</b> , 41, 794-801	3.8	o
5	Richard Hadley Holm: A Remembrance and A Tribute. <i>Comments on Inorganic Chemistry</i> , <b>2022</b> , 42, 61-108.	3.9	o
4	Oxidation of 1-(4?-substituted phenyl)-2-(4-methylphenyl)diazene ? Benzylic substitution vs. C-azo bond breaking. <i>Canadian Journal of Chemistry</i> , <b>2005</b> , 83, 244-250	0.9	
3	Multiple Bonds and Low Coordination in Phosphorus Chemistry. Herausgegeben von M. Regitz und O. J. Scherer. Thieme, Stuttgart, 1990. 496 S., geb. DM 468.00 (f) Synthesis Abonnement: DM 398.00). ISBN 3-13-752201-3. <i>Angewandte Chemie</i> , <b>1992</b> , 104, 370-371	3.6	
2	Rings, Clusters and Polymers of Main Group and Transition Elements. Herausgegeben von H. W. Roesky. Elsevier, Amsterdam 1989. 560 S., geb. Hf 350.00 ISBN 0-444-88172-7. <i>Angewandte Chemie</i> , <b>1990</b> , 102, 1410-1410	3.6	
1	STERICALLY CROWDED AND BONDING METAL ARYL COMPLEXES. <i>Inorganic Syntheses</i> , <b>2018</b> , 47-83		