

Philip P Power

List of Publications by Year in Descending Order

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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	The Unusual Structural Behavior of Heteroleptic Aryl Copper(I) Thiolato Molecules: Cis vs Trans Structures and London Dispersion Effects. <i>Organometallics</i> , 2022 , 41, 794-801	3.8	0
476	Richard Hadley Holm: A Remembrance and A Tribute. <i>Comments on Inorganic Chemistry</i> , 2022 , 42, 61-108	3.9	0
475	Reusing meta-terphenyl ligands: synthesis, metalation and recycling of 5-pyrrolidino-m-terphenyl. <i>Polyhedron</i> , 2022 , 115947	2.7	1
474	Hydrides, Halides, and Polymers: Some Unexpected Intermediates on the Routes to First-Row Transition Metal M{N(SiMe)} (= 2, 3) Complexes. <i>Inorganic Chemistry</i> , 2021 , 60, 18503-18511	5.1	0
473	Dimeric Copper and Lithium Thiolates: Comparison of Copper Thiolates with Their Lithium Congeners. <i>Inorganic Chemistry</i> , 2021 , 60, 17641-17648	5.1	1
472	Insertion Reactions of NH ₃ and H ₂ O with the Ferriogermynes ArGeFeCp(CO) ₂ (Ar = ArMe ₆ (C ₆ H ₃ -(C ₆ H ₂ -2,4,6-Me ₃) ₂) or AriPr ₄ (C ₆ H ₃ -(C ₆ H ₃ -2,6-iPr ₂) ₂); Cp = C ₅ H ₅): Structural Isomerism and Polymorphism in a Metallogermylene. <i>Organometallics</i> , 2021 , 40, 3472-3479	3.8	0
471	A Monomeric Aluminum Imide (Iminoalane) with Al-N Triple-Bonding: Bonding Analysis and Dispersion Energy Stabilization. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6351-6356	16.4	7
470	Low-Coordinate Iron Chalcogenolates and Their Complexes with Diethyl Ether and Ammonia. <i>Inorganic Chemistry</i> , 2021 , 60, 6712-6720	5.1	0
469	Reductions of M{N(SiMe)} (M = V, Cr, Fe): Terminal and Bridging Low-Valent First-Row Transition Metal Hydrido Complexes and "Metallo-Transamination". <i>Inorganic Chemistry</i> , 2021 , 60, 11401-11411	5.1	1
468	Hydrostannylation of carbon dioxide by a hydridostannylene molybdenum complex. <i>Dalton Transactions</i> , 2021 , 50, 12555-12562	4.3	2
467	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> , 2021 , 60, 4108-4115	5.1	5
466	Designing a Solution-Stable Distannene: The Decisive Role of London Dispersion Effects in the Structure and Properties of {Sn(CH ₂ -2,4,6-Cy)} (Cy = Cyclohexyl).. <i>Journal of the American Chemical Society</i> , 2021 , 143, 21478-21483	16.4	2
465	Interactions of a Diplumbyne with Dinuclear Transition Metal Carbonyls to Afford Metalloplumbylenes. <i>Organometallics</i> , 2020 , 39, 4629-4636	3.8	0
464	An Update on Multiple Bonding between Heavier Main Group Elements: The Importance of Pauli Repulsion, Charge-Shift Character, and London Dispersion Force Effects. <i>Organometallics</i> , 2020 , 39, 4127-4138	2.8	35
463	Second order Jahn-Teller interactions at unusually high molecular orbital energy separations. <i>Dalton Transactions</i> , 2020 , 49, 5175-5182	4.3	9
462	Metathetical Exchange between Metal-Metal Triple Bonds. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2233-2237	16.4	16
461	Unexpected Coordination Complexes of the Metal Tris-silylamides M{N(SiMe)} (M = Ti, V). <i>Inorganic Chemistry</i> , 2020 , 59, 1871-1882	5.1	6

460	Characterization of the "Absent" Vanadium Oxo V(?O){N(SiMe)}, Imido V(?NSiMe){N(SiMe)}, and Imido-Siloxy V(?NSiMe)(OSiMe){N(SiMe)} Complexes Derived from V{N(SiMe)} and Kinetic Study of the Spontaneous Conversion of the Oxo Complex into Its Imido-Siloxy Isomer. <i>Inorganic Chemistry</i> , 2020 , 59, 11079-11088	5.1	3
459	The Monomeric Alanedyl 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> , 2020 , 142, 20554-20559	16.4	20
458	Molecular Complexes Featuring Unsupported Dispersion-Enhanced Aluminum-Copper and Gallium-Copper Bonds. <i>Journal of the American Chemical Society</i> , 2020 , 142, 19874-19878	16.4	10
457	Facile insertion of ethylene into a group 14 element-carbon bond: effects of the HOMO-LUMO energy gap on reactivity. <i>Chemical Communications</i> , 2019 , 55, 405-407	5.8	16
456	Two-Coordinate, Late First-Row Transition Metal Amido Derivatives of the Bulky Ligand -N(SiPr)Dipp (Dipp = 2,6-diisopropylphenyl): Effects of the Ligand on the Stability of Two-Coordinate Copper(II) Complexes. <i>Inorganic Chemistry</i> , 2019 , 58, 8793-8799	5.1	7
455	Reversible Binding of Ethylene and Propylene by Germylenes. <i>Organometallics</i> , 2019 , 38, 1425-1428	3.8	6
454	Reversible Complexation of Alkynes by a Germylene. <i>Organometallics</i> , 2019 , 38, 1421-1424	3.8	19
453	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> , 2019 , 58, 6095-6101	5.1	12
452	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> , 2019 , 141, 14370-14383	16.4	12
451	Two quasi-stable lead(ii) hydrides at ambient temperature. <i>Chemical Communications</i> , 2019 , 55, 10285-10287	16.4	9
450	Reversible Sn-Sn Triple Bond Dissociation in a Distannyne: Support for Charge-Shift Bonding Character. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12527-12530	16.4	24
449	Germanium Hydride Radical Trapped during the Photolysis/Thermolysis of Diarylgermylene. <i>Inorganic Chemistry</i> , 2019 , 58, 15034-15038	5.1	5
448	Facile C-H Bond Metathesis Mediated by a Stannylene. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5674-5677	16.4	17
447	Reversible Coordination of H by a Distannyne. <i>Journal of the American Chemical Society</i> , 2018 , 140, 590-593	16.4	34
446	Counterintuitive Interligand Angles in the Diaryls E{C6H3-2,6-(C6H2-2,4,6-iPr3)2}2 (E = Ge, Sn, or Pb) and Related Species: The Role of London Dispersion Forces. <i>Organometallics</i> , 2018 , 37, 2075-2085	3.8	18
445	Synthesis of a Cyclic CoSn Cluster Using a Co Synthon. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13195-13199	16.4	6
444	Characterization of a Monomeric, Homoleptic, Solvent-Free Samarium Bis(aryloxide). <i>Inorganic Chemistry</i> , 2018 , 57, 14044-14046	5.1	5
443	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 Asymmetric Hydride ArtBu6SnSn(H)2ArtBu6. <i>Organometallics</i> , 2018 , 37, 4048-4054	3.8	10

442	Second-Order Jahn-Teller (SOJT) Structural Distortions in Multiply Bonded Higher Main Group Compounds. <i>Organometallics</i> , 2018 , 37, 2929-2936	3.8	24
441	DIVALENT MANGANESE, IRON, AND COBALT BIS(TRIMETHYLSILYL)AMIDO DERIVATIVES AND THEIR TETRAHYDROFURAN COMPLEXES. <i>Inorganic Syntheses</i> , 2018 , 1-14		3
440	STERICALLY CROWDED π -AND σ -BONDED METAL ARYL COMPLEXES. <i>Inorganic Syntheses</i> , 2018 , 47-83		
439	TERPHENYL LIGANDS AND COMPLEXES. <i>Inorganic Syntheses</i> , 2018 , 85-122		6
438	Effects of Remote Ligand Substituents on the Structures, Spectroscopic, and Magnetic Properties of Two-Coordinate Transition-Metal Thiolate Complexes. <i>Inorganic Chemistry</i> , 2018 , 57, 6491-6502	5.1	11
437	London dispersion forces in sterically crowded inorganic and organometallic molecules. <i>Nature Reviews Chemistry</i> , 2017 , 1,	34.6	204
436	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> , 2017 , 139, 6586-6595	16.4	23
435	Tin(II) Hydrides as Intermediates in Rearrangements of Tin(II) Alkyl Derivatives. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6596-6604	16.4	22
434	The Reactions of Aryl Tin(II) Hydrides {AriPr ₆ Sn(H)} ₂ (AriPr ₆ = C ₆ H ₃ -2,6-(C ₆ H ₂ -2,4,6-iPr ₃) ₂) and {AriPr ₄ Sn(H)} ₂ (AriPr ₄ = C ₆ H ₃ -2,6-(C ₆ H ₃ -2,6-iPr ₂) ₂) with Aryl Alkynes: Substituent Dependent Structural Isomers. <i>Organometallics</i> , 2017 , 36, 3799-3805	3.8	11
433	Transition Metal Functionalization of P Using a Diarylgermylene Anchor. <i>Inorganic Chemistry</i> , 2017 , 56, 9111-9119	5.1	11
432	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> , 2017 , 56, 9892-9902	5.1	20
431	Preface for the Advances in Main-Group Inorganic Chemistry Forum. <i>Inorganic Chemistry</i> , 2017 , 56, 8597-8598	3.1	1
430	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> , 2017 , 139, 12069-12075	16.4	8
429	Isolable Borane-Based Diradical and Triradical Fused by a Diamagnetic Transition Metal Ion. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17723-17726	16.4	15
428	Insertion of a Transient Tin Nitride into Carbon-Carbon and Boron-Carbon Bonds. <i>Inorganic Chemistry</i> , 2017 , 56, 14596-14604	5.1	5
427	Complexes of Ni(I): a "rare" oxidation state of growing importance. <i>Chemical Society Reviews</i> , 2017 , 46, 5347-5399	58.5	110
426	Dispersion-Force-Assisted Disproportionation: A Stable Two-Coordinate Copper(II) Complex. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10444-7	16.4	26
425	Thermally controlling the singlet-triplet energy gap of a diradical in the solid state. <i>Chemical Science</i> , 2016 , 7, 6514-6518	9.4	44

424	Dispersion Forces, Disproportionation, and Stable High-Valent Late Transition Metal Alkyls. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14766-14769	16.4	37
423	Dispersion-Force-Assisted Disproportionation: A Stable Two-Coordinate Copper(II) Complex. <i>Angewandte Chemie</i> , 2016 , 128, 10600-10603	3.6	6
422	Molecular Zinc Species with Ge \equiv N and Sn \equiv N Bonds: A Reversible Insertion of a Stannylene into a Zinc π -Carbon Bond. <i>Organometallics</i> , 2016 , 35, 2124-2128	3.8	16
421	Reactions of Terphenyl-Substituted Digallene AriPr ₄ GaGaAriPr ₄ (AriPr ₄ = C ₆ H ₃ -2,6-(C ₆ H ₃ -2,6-iPr ₂) ₂) with Transition Metal Carbonyls and Theoretical Investigation of the Mechanism of Addition. <i>Organometallics</i> , 2016 , 35, 579-586	3.8	8
420	Reaction of LiArMe ₆ (ArMe ₆ = C ₆ H ₃ -2,6-(C ₆ H ₂ -2,4,6-Me ₃) ₂) with indium(I)chloride yields three m-terphenyl stabilized mixed-valent organoindium subhalides. <i>Polyhedron</i> , 2016 , 103, 164-171	2.7	1
419	Synchrotron-based Nickel Mössbauer Spectroscopy. <i>Inorganic Chemistry</i> , 2016 , 55, 6866-72	5.1	10
418	Dispersion Forces, Disproportionation, and Stable High-Valent Late Transition Metal Alkyls. <i>Angewandte Chemie</i> , 2016 , 128, 14986-14989	3.6	13
417	Addition of alkynes to digermynes: experimental insight into the reaction pathway. <i>Dalton Transactions</i> , 2016 , 45, 7226-30	4.3	15
416	Catalytic dehydrocoupling of amines and boranes by an incipient tin(ii) hydride. <i>Chemical Communications</i> , 2016 , 52, 13656-13659	5.8	23
415	A boron-centered radical: a potassium-crown ether stabilized boryl radical anion. <i>Chemical Communications</i> , 2016 , 52, 12714-12716	5.8	32
414	Cleavage of Ge \equiv E and Sn \equiv N Triple Bonds in Heavy Group 14 Element Alkyne Analogues (EAriPr ₄) ₂ (E = Ge, Sn; AriPr ₄ = C ₆ H ₃ -2,6-(C ₆ H ₃ -2,6-iPr ₂) ₂) by Reaction with Group 6 Carbonyls. <i>Organometallics</i> , 2016 , 35, 2759-2767	3.8	9
413	Dispersion Force Effects on the Dissociation of "Jack-in-the-Box" Diphosphanes and Diarsanes. <i>Organometallics</i> , 2015 , 34, 2028-2033	3.8	25
412	The multiple bonding in heavier group 14 element alkene analogues is stabilized mainly by dispersion force effects. <i>Chemical Science</i> , 2015 , 6, 6235-6244	9.4	63
411	Quasi-three-coordinate iron and cobalt terphenoxide complexes {Ar(iPr ₈)OM(EO)} ₂ (Ar(iPr ₈) = C ₆ H-2,6-(C ₆ H ₂ -2,4,6-(i)Pr ₃) ₂ -3,5-(i)Pr ₂ ; M = Fe or Co) with M(III) ₂ (EO) ₂ core structures and the peroxide dimer of 2-oxepinoxy relevant to benzene oxidation. <i>Inorganic Chemistry</i> , 2015 , 54, 8914-22	5.1	7
410	Influence of Ligand Modifications on Structural and Spectroscopic Properties in Terphenyl Based Heavier Group 14 Carbene Homologues. <i>Organometallics</i> , 2015 , 34, 2222-2232	3.8	39
409	Addition of Ethylene or Hydrogen to a Main-Group Metal Cluster under Mild Conditions. <i>Angewandte Chemie</i> , 2015 , 127, 3873-3876	3.6	22
408	Access to Stable Metalloradical Cations with Unsupported and Isomeric Metal-Metal Hemi-Bonds. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9084-7	16.4	15
407	The Instability of Ni{N(SiMe ₃) ₂ } ₂ : A Fifty Year Old Transition Metal Silylamide Mystery. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12914-7	16.4	27

406	Access to Stable Metalloradical Cations with Unsupported and Isomeric Metal-Metal Hemi-Bonds. <i>Angewandte Chemie</i> , 2015 , 127, 9212-9215	3.6	7
405	The Instability of Ni{N(SiMe ₃) ₂ } ₂ : A Fifty Year Old Transition Metal Silylamide Mystery. <i>Angewandte Chemie</i> , 2015 , 127, 13106-13109	3.6	5
404	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> , 2015 , 34, 5785-5791	3.8	18
403	Editorial for the Mike Lappert Commemorative Issue. <i>Organometallics</i> , 2015 , 34, 2035-2036	3.8	1
402	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> , 2015 , 54, 1940-8	5.1	26
401	Addition of ethylene or hydrogen to a main-group metal cluster under mild conditions. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3802-5	16.4	42
400	Reversible, photoinduced activation of Pt by low-coordinate main group compounds. <i>Chemistry - A European Journal</i> , 2014 , 20, 6739-44	4.8	52
399	Measurement of extreme hyperfine fields in two-coordinate high-spin Fe ²⁺ complexes by Mössbauer spectroscopy: essentially free-ion magnetism in the solid state. <i>Inorganic Chemistry</i> , 2014 , 53, 12100-7	5.1	15
398	Hydroalumination of Alkenes and Alkynes by Primary Aluminum Hydrides under Mild Conditions. <i>Organometallics</i> , 2014 , 33, 6232-6240	3.8	20
397	Synthesis and Structural Characterization of a Dimeric Cobalt(I) Homoleptic Alkyl and an Iron(II) Alkyl Halide Complex. <i>Organometallics</i> , 2014 , 33, 1917-1920	3.8	7
396	Synthesis and Characterization of Primary Aluminum Parent Amides and Phosphides. <i>Organometallics</i> , 2014 , 33, 329-337	3.8	13
395	Synthesis, structural, spectroscopic, and magnetic characterization of two-coordinate cobalt(II) aryloxides with bent or linear coordination. <i>Inorganic Chemistry</i> , 2014 , 53, 2692-8	5.1	25
394	Synthesis, structure, and magnetic and electrochemical properties of quasi-linear and linear iron(I), cobalt(I), and nickel(I) amido complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 9400-6	5.1	66
393	Analysis of the bonding between two M(ENAr(#)) monomers in the dimeric metal(II) imido complexes {M(ENAr(#))} ₂ [M = Si, Ge, Sn, Pb; Ar(#) = C ₆ H ₃ -2,6-(C ₆ H ₂ -2,4,6-R ₃) ₂]. The stabilizing role played by R = Me and iPr. <i>Inorganic Chemistry</i> , 2014 , 53, 2325-32	5.1	8
392	Reactions of Alkenes and Alkynes with an Acyclic Silylene and Heavier Tetrylenes under Ambient Conditions. <i>Organometallics</i> , 2014 , 33, 6253-6258	3.8	30
391	Reversible complexation of ethylene by a silylene under ambient conditions. <i>Journal of the American Chemical Society</i> , 2014 , 136, 634-7	16.4	65
390	Terphenyl complexes of molybdenum and tungsten with quadruple metal-metal bonds and bridging carboxylate ligands. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9173-80	16.4	19
389	Synthesis and characterization of sterically encumbered aluminum thiolato complexes with rare Al/S/halide structural motifs. <i>Polyhedron</i> , 2014 , 79, 207-212	2.7	5

388	Michael Lappert (1928-2014). <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6857	16.4	1
387	Linear and nonlinear two-coordinate vanadium complexes: synthesis, characterization, and magnetic properties of V(II) amides. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10720-8	16.4	29
386	Computational Analysis of π - σ Back-Bonding in Metallylene Isocyanide Complexes R_2MCNR ? (M = Si, Ge, Sn; R = tBu, Ph; R' = Me, tBu, Ph). <i>Organometallics</i> , 2013 , 32, 6690-6700	3.8	15
385	Dispersion force stabilized two-coordinate transition metal-amido complexes of the -N(SiMe ₃)Dipp (Dipp = C ₆ H ₃ -2,6-Pr(i) ₂) ligand: structural, spectroscopic, magnetic, and computational studies. <i>Inorganic Chemistry</i> , 2013 , 52, 13584-93	5.1	80
384	Thorium(IV) and Uranium(IV) Halide Complexes Supported by Bulky π -Diketiminato Ligands. <i>Organometallics</i> , 2013 , 32, 1423-1434	3.8	27
383	Facile, High-Yield Functionalization of Germanium and Tin by Oxidative Insertion of Tetrelenes into the E-H 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> , 2013 , 32, 617-622	3.8	36
382	Slow magnetization dynamics in a series of two-coordinate iron(II) complexes. <i>Chemical Science</i> , 2013 , 4, 125-138	9.4	455
381	Reversible π -Dimerizations of Persistent Organic Radical Cations. <i>Angewandte Chemie</i> , 2013 , 125, 617-620	3.6	9
380	Reversible π -Dimerizations of persistent organic radical cations. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 589-92	16.4	31
379	Synthesis and molecular structures of the 1,2-dihalogen derivatives of Ga(III) and In(III), [[Ga(ArMe ₆) ₂] ₂], [[InCl(ArMe ₆) ₂] ₂], [[InI(ArMe ₆) ₂] ₂], and [[In ₄ Cl ₂ I ₂ (ArMe ₆) ₄]], ArMe ₆ C ₆ H ₃ -2,6-(C ₆ H ₂ -2,4,6-Me ₃) ₂ . <i>Polyhedron</i> , 2013 , 58, 144-150	2.7	7
378	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> , 2013 , 52, 3054-62	5.1	29
377	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> , 2013 , 135, 6257-61	16.4	29
376	Heavier Main Group Dimetallene Reactivity: Effects of Frontier Orbital Symmetry. <i>Organometallics</i> , 2013 , 32, 2278-2286	3.8	40
375	Mechanisms of reactions of open-shell, heavier group 14 derivatives with small molecules: π - σ back-bonding in isocyanide complexes, C-H activation under ambient conditions, CO coupling, and ancillary molecular interactions. <i>Inorganic Chemistry</i> , 2013 , 52, 6248-59	5.1	42
374	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> , 2013 , 135, 10134-48	16.4	83
373	Counterintuitive mechanisms of the addition of hydrogen and simple olefins to heavy group 13 alkene analogues. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1952-60	16.4	32
372	Synthesis and characterization of the titanium bisamide Ti{N(H)Ar(iPr ₆) ₂ } ₂ (Ar(iPr ₆) = C ₆ H ₃ -2,6-(C ₆ H ₂ -2,4,6-(i)Pr ₃) ₂) and its TiCl{N(H)Ar(iPr ₆) ₂ } ₂ precursor: Ti(II) \rightarrow Ti(IV) cyclization. <i>Inorganic Chemistry</i> , 2013 , 52, 14216-23	5.1	11
371	Synthesis, spectroscopic characterization, and determination of the solution association energy of the dimer [Co{N(SiMe ₃) ₂ } ₂] ₂ : magnetic studies of low-coordinate Co(II) silylamides [Co{N(SiMe ₃) ₂ } ₂ L] (L = PMe ₃ , pyridine, and THF) and related species that reveal evidence of very large zero field splittings. <i>Inorganic Chemistry</i> , 2013 , 52, 12152-60	5.1	60

370	The role of group 14 element hydrides in the activation of C-H bonds in cyclic olefins. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14595-603	16.4	47
369	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> , 2012 , 31, 3768-3772	3.8	24
368	Isolation of a stable, acyclic, two-coordinate silylene. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6504-7	16.4	143
367	A germanium isocyanide complex featuring (n → σ*) 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> , 2012 , 134, 4045-8	16.4	56
366	Structural and Magnetic Studies of a Quasi-Inverse Sandwich Cyclooctatetraene Complex with Two High-Spin Chromium(II) Ions Bound Anti-Facially. <i>Organometallics</i> , 2012 , 31, 8556-8560	3.8	5
365	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 ²⁺ . <i>Inorganic Chemistry</i> , 2012 , 51, 3366-73	5.1	68
364	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> , 2012 , 51, 3212-9	5.1	25
363	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> , 2012 , 51, 1821-6	5.1	11
362	Reactions of heavier main-group compounds with hydrogen, ammonia, ethylene and related small molecules. <i>Chemical Record</i> , 2012 , 12, 238-55	6.6	68
361	Reversible and irreversible higher-order cycloaddition reactions of polyolefins with a multiple-bonded heavier group 13 alkene analogue: contrasting the behavior of systems with σ and π frontier molecular orbital symmetry. <i>Journal of the American Chemical Society</i> , 2012 , 134, 7155-64	16.4	41
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161	Reactions of $(\text{H}_2\text{AlMe}^*)_2$ ($\text{Me}^* = 2,4,6\text{-}(t\text{-Bu})_3\text{C}_6\text{H}_2$) with H_2EAr (E = N, P, or As; Ar = aryl): Characterization of the Ring Compounds $(\text{Me}^*\text{AlNPh})_2$ and $(\text{Me}^*\text{AlEPh})_3$ (E = P or As). <i>Journal of the American Chemical Society</i> , 1996 , 118, 791-797	16.4	95
160	Synthesis and Characterization of Sterically Encumbered Derivatives of Aluminum Hydrides and Halides: Assessment of Steric Properties of Bulky Terphenyl Ligands. <i>Inorganic Chemistry</i> , 1996 , 35, 6694-6702	5.1	71
159	New Routes to Synthetically Useful, Sterically Encumbered Arylaluminum Halides and Hydride Halides. <i>Inorganic Chemistry</i> , 1996 , 35, 3262-3267	5.1	35
158	Structural Characterization and Coordination Behavior of 1,2-Diphosphino and 1,2-Diarsino-Diborane(4) Compounds. <i>Main Group Chemistry</i> , 1996 , 1, 197-206	0.6	4
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155	A New In_4 Cluster with Short In-In Bonds in Trigonal-Planar $\text{In}(\text{InTrip}_2)_3$. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 2355-2357		45

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153	Reactions between primary amines and magnesium or zinc dialkyls: intermediates in metal imide formation. <i>Inorganica Chimica Acta</i> , 1996 , 251, 273-284	2.7	87
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142	Synthesis and Characterization of Thiolato Complexes with Two-Coordinate Iron(II). <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 1178-1180		98
141	Synthese und Struktur des Magnesiumimids [(thf)MgNPh] ₆ . <i>Angewandte Chemie</i> , 1994 , 106, 350-351	3.6	28
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137	Synthesis and Characterization of Unassociated Aluminum Monophosphides. <i>Inorganic Chemistry</i> , 1994 , 33, 3205-3207	5.1	26

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133	Synthesis, Structure, and Spectroscopic Characterization of Unassociated Mono-, Di- and Triamido Derivatives of Aluminum and Gallium. <i>Organometallics</i> , 1994 , 13, 2792-2799	3.8	64
132	Synthesis and Characterization of $[\text{Mes}^*\text{AlH}_2]_2$ ($\text{Mes}^* = 2,4,6\text{-(tert-Bu)}_3\text{C}_6\text{H}_2$): A Base-Free Arylallane. <i>Inorganic Chemistry</i> , 1994 , 33, 5611-5612	5.1	45
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130	Reduction of a Tetraaryldigallane to Afford a Radical Anion with Ga^+Ga Multiple Bonding Character. <i>Angewandte Chemie International Edition in English</i> , 1993 , 32, 717-719		107
129	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> , 1993 , 115, 11640-11641	16.4	42
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126	Syntheses and characterization of the gallium-phosphorus cages $\{(\text{Et}_2\text{O})_2\text{Li}\}\{\text{t-BuGa}\}\{\text{P}(\text{t-Bu})\}_2\{\text{Ga}(\text{t-Bu})_2\}$ and $\{(\text{t-Bu})_2\text{Ga}\}\{\text{t-BuGa}\}\{\text{P}(\text{t-Bu})\}_2\{\text{Ga}(\text{t-Bu})_2\}$. <i>Organometallics</i> , 1993 , 12, 1592-1596	3.8	16
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121	Isolation and structural characterization of unsolvated lithium aryls. <i>Journal of the American Chemical Society</i> , 1993 , 115, 11353-11357	16.4	167
120	Silylamines with Pyramidal Coordination at Nitrogen. <i>Angewandte Chemie International Edition in English</i> , 1993 , 32, 425-427		45
119	Tantalum(V) Phosphinidene Complexes as Phospha-Wittig Reagents. <i>Angewandte Chemie International Edition in English</i> , 1993 , 32, 850-851		20

118	Silylamine mit pyramidal umgebenem Stickstoff. <i>Angewandte Chemie</i> , 1993 , 105, 459-461	3.6	33
117	Phosphinidentantal(v)-Komplexe als Phospha-Wittig-Reagentien. <i>Angewandte Chemie</i> , 1993 , 105, 893-894	3.6	7
116	Tri- and tetra-meric copper(I) amides $\{\text{Cu}[\text{N}(\text{SiMe}_2\text{Ph})_2]\}_3$ and $\{\text{Cu}[\text{N}(\text{SiMe}_2\text{Ph})_2]\}_4$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992 , 451		30
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74	Syntheses and x-ray crystal structures of the compounds [ArPAs] ₂ and [ArPSb] ₂ (Ar = 2,4,6-(tert-Bu) ₃ C ₆ H ₂ . P ₂ As ₂ - and P ₂ Sb ₂ -substituted analogs of bicyclo[1.1.0]butane. <i>Organometallics</i> , 1990 , 9, 1459-1463	3.8	32
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71	[M(NMesBMes ₂) ₂] (M = Cr, Ni); stabile, verzerrt zweifach koordinierte d ₄ - und d ₈ -Komplexe. <i>Angewandte Chemie</i> , 1989 , 101, 325-327	3.6	12
70	[M(NMesBMes ₂) ₂] (M = Cr, Ni) : Stable, Distorted, Two-Coordinate d ₄ and d ₈ Complexes. <i>Angewandte Chemie International Edition in English</i> , 1989 , 28, 316-317		44
69	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> , 1989 , 111, 8044-8046	16.4	67
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63	Boron-phosphorus analogs of benzene and cyclobutadiene. Synthesis and characterization of the boraphosphabenzenes (RBPR') ₃ (R = Mes, Ph; R' = Ph, Mes, C ₆ H ₁₁ , tert-Bu) and the diphosphadiboretane (thexylBPMe)s ₂ . <i>Journal of the American Chemical Society</i> , 1989 , 111, 144-148	16.4	70
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61	Synthesis and Structure of [MeAlN(2,6-iPr ₂ C ₆ H ₃)] ₃ : An Aluminum-Nitrogen Analogue of Borazine. <i>Angewandte Chemie International Edition in English</i> , 1988 , 27, 1699-1700		94
60	Structural and spectroscopic properties of the cobalt(II) 3,5-di-tert-butylcatecholate tetramer having a distorted Co ₄ O ₄ cubane core. <i>Inorganic Chemistry</i> , 1988 , 27, 580-583	5.1	14
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