

List of Publications by Citations

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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.

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|--------------------|--------------------------|----------------|-----------------|
| 336 papers | 11,573 citations | 56 h-index | 82 g-index |
| 382 ext. papers | 12,821 ext. citations | 7.6 avg, IF | 7.04 L-index |

| # | Paper | IF | Citations |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 336 | Copper-catalyzed highly enantioselective cyclopentannulation of indoles with donor-acceptor cyclopropanes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7851-4 | 16.4 | 296 |
| 335 | Cyclopentadienyl-carboranyl hybrid compounds: a new class of versatile ligands for organometallic chemistry. <i>Accounts of Chemical Research</i> , 2003 , 36, 1-9 | 24.3 | 278 |
| 334 | Transition metal-carboryne complexes: synthesis, bonding, and reactivity. <i>Accounts of Chemical Research</i> , 2011 , 44, 299-309 | 24.3 | 172 |
| 333 | Advances in the chemistry of metallacarboranes of f-block elements. <i>Coordination Chemistry Reviews</i> , 2002 , 231, 23-46 | 23.2 | 172 |
| 332 | Iridium catalyzed regioselective cage boron alkenylation of o-carboranes via direct cage B-H activation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15513-6 | 16.4 | 161 |
| 331 | Group 4 metallocenes incorporating constrained-geometry carboranyl ligands. <i>Coordination Chemistry Reviews</i> , 2006 , 250, 259-272 | 23.2 | 137 |
| 330 | Approaching the Silylium (R ₃ Si ⁺) Ion: Trends with Hexahalo (Cl, Br, I) Carboranes as Counterions. <i>Journal of the American Chemical Society</i> , 1996 , 118, 2922-2928 | 16.4 | 137 |
| 329 | New Weakly Coordinating Anions. III. Useful Silver and Trityl Salt Reagents of Carborane Anions. <i>Journal of the American Chemical Society</i> , 1994 , 116, 1907-1913 | 16.4 | 136 |
| 328 | Advances in the chemistry of carboranes and metallacarboranes with more than 12 vertices. <i>Coordination Chemistry Reviews</i> , 2007 , 251, 2452-2476 | 23.2 | 135 |
| 327 | [O-NSR]TiCl ₃ -catalyzed copolymerization of ethylene with functionalized olefins. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8099-102 | 16.4 | 120 |
| 326 | Controlled functionalization of o-carborane via transition metal catalyzed B-H activation. <i>Chemical Society Reviews</i> , 2019 , 48, 3660-3673 | 58.5 | 113 |
| 325 | Micellar Formation of Poly(caprolactone-block-ethylene oxide-block- caprolactone) and Its Enzymatic Biodegradation in Aqueous Dispersion. <i>Macromolecules</i> , 2003 , 36, 8825-8829 | 5.5 | 110 |
| 324 | Asymmetric Nazarov reaction catalyzed by chiral tris(oxazoline)/copper(II). <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4463-6 | 16.4 | 109 |
| 323 | Transition Metal Catalyzed Direct Amination of the Cage B(4)-H Bond in o-Carboranes: Synthesis of Tertiary, Secondary, and Primary o-Carboranyl Amines. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12727-12730 | 16.4 | 106 |
| 322 | Iridium-catalysed regioselective borylation of carboranes via direct B-H activation. <i>Nature Communications</i> , 2017 , 8, 14827 | 17.4 | 103 |
| 321 | Guanylation of Amines Catalyzed by a Half-Sandwich Titanacarborane Amide Complex. <i>Organometallics</i> , 2006 , 25, 5515-5517 | 3.8 | 100 |
| 320 | o-Carborane functionalized pentacenes: synthesis, molecular packing and ambipolar organic thin-film transistors. <i>Chemical Communications</i> , 2015 , 51, 12004-7 | 5.8 | 98 |

- 319 Palladium-Catalyzed Direct Dialkenylation of Cage B-H Bonds in o-Carboranes through Cross-Coupling Reactions. *Angewandte Chemie - International Edition*, **2015**, 54, 10623-6 16.4 96
- 318 Palladium-Catalyzed Regioselective Diarylation of o-Carboranes By Direct Cage B-H Activation. *Angewandte Chemie - International Edition*, **2016**, 55, 1295-8 16.4 96
- 317 Transition-Metal-Catalyzed Selective Cage B-H Functionalization of o-Carboranes. *Chemistry - A European Journal*, **2018**, 24, 2795-2805 4.8 94
- 316 Palladium-catalyzed selective fluorination of o-carboranes. *Journal of the American Chemical Society*, **2013**, 135, 12192-5 16.4 91
- 315 Atom-economical synthesis of N-heterocycles via cascade inter-/intramolecular C-N bond-forming reactions catalyzed by Ti amides. *Journal of the American Chemical Society*, **2010**, 132, 11473-80 16.4 90
- 314 A new weakly coordinating anion: approaching the silylium (silicenium) ion. *Journal of the Chemical Society Chemical Communications*, **1993**, 384-386 86
- 313 The Coil-to-Globule-to-Coil Transition of Linear Polymer Chains in Dilute Aqueous Solutions: Effect of Intrachain Hydrogen Bonding. *Macromolecules*, **2008**, 41, 8927-8931 5.5 84
- 312 Rhodium-Catalyzed Regioselective Hydroxylation of Cage B-H Bonds of o-Carboranes with O₂ or Air. *Angewandte Chemie - International Edition*, **2016**, 55, 11840-4 16.4 84
- 311 Palladium catalyzed regioselective B-C(sp) coupling direct cage B-H activation: synthesis of B(4)-alkynylated -carboranes. *Chemical Science*, **2016**, 7, 5838-5845 9.4 82
- 310 π -Arene/Cation Structure and Bonding. Solvation versus Ligand Binding in Iron(III) Tetraphenylporphyrin Complexes of Benzene, Toluene, p-Xylene, and [60]Fullerene. *Journal of the American Chemical Society*, **1999**, 121, 8466-8474 16.4 81
- 309 Highly Chlorinated, Brominated, and Iodinated Icosahedral Carborane Anions: 1-H-CB(11)X(11)(-), 1-CH(3)-CB(11)X(11)(-) (X = Cl, Br, I); 1-Br-CB(11)Br(11)(-). *Inorganic Chemistry*, **1998**, 37, 6444-6451 5.1 80
- 308 The Silylium Ion (R₃Si⁺) Problem: Effect of Alkyl Substituents R. *Organometallics*, **1995**, 14, 3933-3941 3.8 80
- 307 Palladium-catalyzed regioselective intramolecular coupling of o-carborane with aromatics via direct cage B-H activation. *Journal of the American Chemical Society*, **2015**, 137, 3502-5 16.4 79
- 306 Nickel-catalyzed regioselective [2+2+2] cycloaddition of carboryne with alkynes. *Angewandte Chemie - International Edition*, **2010**, 49, 4649-52 16.4 79
- 305 Synthesis, reactivity, and structural characterization of a 14-vertex carborane. *Angewandte Chemie - International Edition*, **2005**, 44, 2128-31 16.4 79
- 304 Synthesis, structure, and reactivity of 13- and 14-vertex carboranes. *Accounts of Chemical Research*, **2014**, 47, 1623-33 24.3 78
- 303 Synthesis, structure, and reactivity of 13-vertex carboranes and 14-vertex metallacarboranes. *Journal of the American Chemical Society*, **2006**, 128, 5219-30 16.4 77
- 302 Nickel-mediated regioselective [2 + 2 + 2] cycloaddition of carboryne with alkynes. *Journal of the American Chemical Society*, **2006**, 128, 7728-9 16.4 71

- 301 Nickel-catalyzed three-component [2+2+2] cycloaddition reaction of arynes, alkenes, and alkynes. *Angewandte Chemie - International Edition*, **2009**, 48, 5729-32 16.4 69
- 300 Highly diastereoselective and enantioselective formal [4 + 3] cycloaddition of donor-acceptor cyclobutanes with nitrones. *Organic Letters*, **2015**, 17, 2680-3 6.2 67
- 299 Synthesis and structure of 14- and 15-vertex ruthenacarboranes. *Angewandte Chemie - International Edition*, **2006**, 45, 4309-13 16.4 67
- 298 Synthesis, Structure, and Reactivity of $[\eta^5\text{-B}(\text{OCH}_2)(\text{Me}_2\text{NCH}_2)\text{C}_2\text{B}_9\text{H}_9]\text{Ti}(\text{NR}_2)$ (R = Me, Et). *Organometallics*, **2007**, 26, 2694-2704 3.8 66
- 297 Synthesis and structural characterization of imido-lanthanide complexes with a metal-nitrogen multiple bond. *Chemical Communications*, **2002**, 652-3 5.8 66
- 296 Five-Coordinate Hydrogen: Neutron Diffraction Analysis of the Hydrido Cluster Complex. *Science*, **1997**, 275, 1099-102 33.3 65
- 295 Synthesis, Structural Characterization, and Catalytic Property of Group 4 Metal Carborane Compounds with a iPr₂NB-Bridged Constrained-Geometry Ligand. *Organometallics*, **2002**, 21, 3850-3855 3.8 65
- 294 Synthesis, Structural Characterization, and Olefin Polymerization Behavior of Group 4 Metal Complexes with Constrained-Geometry Carborane Ligands. *Organometallics*, **2001**, 20, 5110-5118 3.8 65
- 293 Synthesis, structure, and reactivity of a zirconocene-carboryne precursor. *Journal of the American Chemical Society*, **2005**, 127, 13774-5 16.4 64
- 292 Synthesis and Structure of the First Tetranuclear Organolanthanide Cluster Containing a η^5 -Imido Group. *Organometallics*, **1999**, 18, 1578-1579 3.8 64
- 291 Transition-metal-mediated three-component cascade cyclization: selective cage B-C(sp²) coupling of carborane with aromatics and synthesis of carborane-fused tricyclics. *Journal of the American Chemical Society*, **2014**, 136, 7599-602 16.4 63
- 290 A Journey from 12-Vertex to 14-Vertex Carboranes and to 15-Vertex Metallocarboranes. *Organometallics*, **2007**, 26, 1832-1845 3.8 62
- 289 Synthesis and Structural Characterization of closo-exo,exo-nido, and pseudocloso Group 1 Carborane Compounds of the C₂B₁₀ System. *Organometallics*, **2000**, 19, 5447-5453 3.8 62
- 288 $[\{(\eta^5\text{-C}_5\text{B}_4\text{H}_4)(\eta^5\text{-C}_5\text{B}_4\text{H}_4)\text{U}\}[\text{K}(\text{thf})_6]]$: A Metallocarborane Containing the Novel $\eta^5\text{-C}_5\text{B}_4\text{H}_4$ Ligand. *Angewandte Chemie - International Edition*, **1999**, 38, 1761-1763 16.4 61
- 287 Nickel-mediated three-component cycloaddition reaction of carboryne, alkenes, and alkynes. *Journal of the American Chemical Society*, **2009**, 131, 2084-5 16.4 60
- 286 Enantioselective Construction of Cyclobutanes: A New and Concise Approach to the Total Synthesis of (+)-Piperarborene B. *Journal of the American Chemical Society*, **2016**, 138, 13151-13154 16.4 60
- 285 Dehydrogenative cross-coupling of o-carborane with thiophenes via Ir-catalyzed regioselective cage B-H and C(sp)-H activation. *Chemical Communications*, **2017**, 53, 4818-4821 5.8 59
- 284 Synthesis and Structure of Rare-Earth-Metal Dicarbolide Complexes with an Imidazolin-2-iminato Ligand Featuring Very Short Metal-Nitrogen Bonds. *Organometallics*, **2011**, 30, 1122-1129 3.8 59

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| 283 | Synthesis, Structural Characterization, and Catalytic Properties of Group 4 Metal Complexes Incorporating a Phosphorus-Bridged Indenyl-Carboranyl Constrained-Geometry Ligand. <i>Organometallics</i> , 2005 , 24, 3118-3124 | 3.8 | 59 |
| 282 | Synthesis, Structure and Reactivity of a Borylene Cation [(NHSi)B(CO)] Stabilized by Three Neutral Ligands. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13680-13683 | 16.4 | 56 |
| 281 | Re-examination of Dynamics of Polyelectrolytes in Salt-Free Dilute Solutions by Designing and Using a Novel Neutral-Charged-Neutral Reversible Polymer. <i>Macromolecules</i> , 2009 , 42, 7146-7154 | 5.5 | 56 |
| 280 | Hydrogen-mediated metal-carbon to metal-boron bond conversion in metal-carboranyl complexes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 16103-10 | 16.4 | 56 |
| 279 | Synthesis, Structural Characterization, and Reactivity of Organolanthanide Complexes Derived from a New, Versatile Boron-Bridged Ligand, iPr ₂ NB(C ₉ H ₇)(C ₂ B ₁₀ H ₁₁). <i>Organometallics</i> , 2002 , 21, 1136-1145 | 3.8 | 56 |
| 278 | Synthesis, Structure, and Reactivity of Organolanthanide Carboranyl Compounds and Lanthanacarboranes Derived from a Versatile Ligand, Me ₂ C(C ₅ H ₅)(C ₂ B ₁₀ H ₁₁). <i>Organometallics</i> , 2000 , 19, 1391-1401 | 3.8 | 56 |
| 277 | Synthesis and structural characterization of highly chlorinated, brominated, iodinated, and methylated carborane anions, 1-H-CB ₉ X ₉ ⁻ , 1-NH ₂ -CB ₉ X ₉ ⁻ (X = Cl, Br, I), and 1-H-CB ₉ (CH ₃) ₉ ⁻ . <i>Inorganic Chemistry</i> , 2000 , 39, 3582-9 | 5.1 | 56 |
| 276 | Synthesis, Reactivity, and Structural Characterization of Organolanthanide Compounds Incorporating both Cyclopentadienyl and Carboranyl Groups. <i>Organometallics</i> , 1999 , 18, 1641-1652 | 3.8 | 56 |
| 275 | A Crystalline [H ₉ O ₄] ⁺ Hydronium Ion Salt with a Weakly Coordinating Anion. <i>Inorganic Chemistry</i> , 1995 , 34, 5403-5404 | 5.1 | 56 |
| 274 | Titanacarborane mediated C≡ bond forming/breaking reactions. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 1652-1657 | 2.3 | 55 |
| 273 | Weakly coordinating nature of a carborane cage bearing different halogen atoms. Synthesis and structural characterization of icosahedral mixed halocarborane anions, 1-H-CB ₁₁ Y ₅ X ₆ ⁻ (X, Y = Cl, Br, I). <i>Inorganic Chemistry</i> , 2000 , 39, 5851-8 | 5.1 | 55 |
| 272 | Carbon versus Silicon Bridges. Synthesis of a New Versatile Ligand and Its Applications in Organolanthanide Chemistry. <i>Organometallics</i> , 2000 , 19, 334-343 | 3.8 | 55 |
| 271 | Application of a New Versatile Ligand to Lanthanide(III) Chemistry: Synthesis, Reactivity, and Structure of a New Class of Organolanthanide Complexes. <i>Organometallics</i> , 1999 , 18, 2420-2427 | 3.8 | 55 |
| 270 | Enantioselective Synthesis of Chiral-at-Cage o-Carboranes via Pd-Catalyzed Asymmetric B-H Substitution. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4508-4511 | 16.4 | 54 |
| 269 | Multiple Insertion of Unsaturated Molecules into the Zr≡ Bonds of [B≡Me ₂ A(C ₉ H ₆)(C ₂ B ₁₀ H ₁₀)]Zr(NMe ₂) ₂ (A = C, Si). <i>Organometallics</i> , 2003 , 22, 4522-4531 | 3.8 | 54 |
| 268 | Catalytic Regioselective Cage B(8)-H Arylation of o-Carboranes via "Cage-Walking" Strategy. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4219-4224 | 16.4 | 53 |
| 267 | Highly diastereoselective synthesis of dihydrofurans and dihydropyrroles via pyridine catalyzed formal [4+1] annulation. <i>Chemical Communications</i> , 2011 , 47, 1342-4 | 5.8 | 52 |
| 266 | Role of c,c'-linkage in the formation and stabilization of supercarboranes. Synthesis and structure of carbon-atoms-apart 13-vertex carborane and 14-vertex metallacarborane. <i>Journal of the American Chemical Society</i> , 2007 , 129, 18-9 | 16.4 | 52 |

- 265 Synthesis, Characterization, and Reactivity of Terminal Titanium Imido Complexes Incorporating Constrained-Geometry Carboranyl Ligands. *Organometallics*, **2005**, 24, 3772-3779 3.8 52
- 264 A Facile and Practical Synthetic Route to 1,1?-Bis(o-carborane). *Organometallics*, **2008**, 27, 5167-5168 3.8 50
- 263 Ph3As-catalyzed wittig-type olefination of aldehydes with diazoacetate in the presence of Na2S2O4. *Journal of Organic Chemistry*, **2007**, 72, 6628-30 4.2 50
- 262 Catalytic Cascade Dehydrogenative Cross-Coupling of BH/CH and BH/NH: One-Pot Process to Carborano-Isoquinolinone. *Journal of the American Chemical Society*, **2019**, 141, 12855-12862 16.4 49
- 261 Protonation of a Linear Oxo-Bridged Diiron Unit without Rehybridization of the Bridging Oxygen: Structure of the (H-Hydroxo)bis-(tetraphenylporphyrinato)iron (III) Cation. *Angewandte Chemie International Edition in English*, **1997**, 36, 1335-1337 49
- 260 A New Versatile Ligand: Its Synthesis and Applications in Organolanthanide Chemistry. *Organometallics*, **1998**, 17, 489-491 3.8 49
- 259 Ti-amide catalyzed synthesis of cyclic guanidines from di-/triamines and carbodiimides. *Organic Letters*, **2011**, 13, 4562-5 6.2 48
- 258 Recent progress in the chemistry of supercarboranes. *Chemistry - an Asian Journal*, **2010**, 5, 1742-57 4.5 48
- 257 Palladium/nickel-cocatalyzed cycloaddition of 1,3-dehydro-o-carborane with alkynes. Facile synthesis of C,B-substituted carboranes. *Journal of the American Chemical Society*, **2010**, 132, 16085-93 16.4 47
- 256 Ethylene-Norbornene Copolymerization by New Titanium Complexes Bearing Tridentate Ligands. Sidearm Effects on Catalytic Activity. *Macromolecular Rapid Communications*, **2007**, 28, 1511-1516 4.8 47
- 255 Synthesis, Structure, and Olefin Polymerization Behavior of Constrained-Geometry Group 4 Metallocarboranes Incorporating Imido-Dicarbollyl Ligands. *Organometallics*, **2006**, 25, 2578-2584 3.8 47
- 254 Synthesis and Structural Characterization of Hydroxyethyl- and Alkoxyethyl-o-Carboranes and Their Alkali and Rare Earth Metal Complexes. *Organometallics*, **2004**, 23, 517-526 3.8 47
- 253 Synthesis, Structural Characterization, and Reactivity of Carbons-Adjacent' nido- and arachno-Carborane Anions of the C2B10 Systems and Their Metal Complexes. *Organometallics*, **2002**, 21, 5415-5427 3.8 47
- 252 Insertion of carboryne into aromatic rings: formation of cyclooctatetraenocarboranes. *Journal of the American Chemical Society*, **2010**, 132, 9988-9 16.4 46
- 251 Synthesis, Structural Characterization, and Reactivity of Rare-Earth Complexes Derived from A New Phosphorus-Bridged Versatile Ligand, iPr2NP(C9H7)(C2B10H11). *Organometallics*, **2004**, 23, 875-885 3.8 46
- 250 Synthesis and Structural Characterization of the First Mixed Lanthanacarborane Incorporating B-Cyclopentadienyl and B-Carboranyl Ligands. *Organometallics*, **1998**, 17, 1907-1909 3.8 46
- 249 Synthesis, Molecular Structure, and Reactivity of Organolanthanide Fluoride Complexes, [(Me3Si)2C5H3]2Ln(F)]2 (Ln = La, Nd, Sm, Gd) and [(C5H5)2Ln(F)(THF)]2 (Ln = Y, Yb). *Organometallics*, **1998**, 17, 3937-3944 3.8 46
- 248 Regioselective insertion of carborynes into ethereal C-H bond: facile synthesis of B-carboranylated ethers. *Journal of the American Chemical Society*, **2011**, 133, 5760-3 16.4 45

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| 247 | Asymmetric Nazarov Reaction Catalyzed by Chiral Tris(oxazoline)/Copper(II). <i>Angewandte Chemie</i> , 2010 , 122, 4565-4568 | 3.6 | 45 |
| 246 | Reaction of [sigma:eta(5)-(C(9)H(6))C(2)B(9)H(10)]Zr(NMe(2))(DME) with guanidines: metallacarborane-mediated C-N bond cleavage and 1,5-sigmatropic rearrangement. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12934-5 | 16.4 | 45 |
| 245 | Synthesis, Structure, and Bonding of d0/fn Metallacarboranes Incorporating the η -Carboranyl Ligand. <i>Journal of the American Chemical Society</i> , 2000 , 122, 5758-5764 | 16.4 | 45 |
| 244 | Bree[Fe(tpp)] ⁺ Cation: A New Concept in the Search for the Least Coordinating Anion. <i>Angewandte Chemie International Edition in English</i> , 1995 , 33, 2433-2434 | | 45 |
| 243 | Synthesis, structure, and reactivity of zirconacyclopentene incorporating a carboranyl unit. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3862-3 | 16.4 | 44 |
| 242 | Synthesis and Structural Characterization of Novel Organolanthanide Clusters Containing Amido and Imido Groups. <i>Organometallics</i> , 1999 , 18, 5511-5517 | 3.8 | 44 |
| 241 | Cyclopentadienyl vs Indenyl Substituents. Organolanthanide Complexes and Biscarborane Compounds Derived from a Versatile Ligand, Me ₂ Si(C ₉ H ₇)(C ₂ B ₁₀ H ₁₁). <i>Organometallics</i> , 1999 , 18, 4478-4487 | 3.8 | 44 |
| 240 | Dearomative [2 + 2] Cycloaddition and Formal C-H Insertion Reaction of o-Carboryne with Indoles: Synthesis of Carborane-Functionalized Heterocycles. <i>Journal of the American Chemical Society</i> , 2015 , 137, 9423-8 | 16.4 | 43 |
| 239 | An Unprecedented Formal [5 + 2] Cycloaddition of Nitrones with o-Carboryne via Tandem [3 + 2] Cycloaddition/Oxygen Migration/Aromatization Sequence. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13938-42 | 16.4 | 43 |
| 238 | Synthesis and Structural Characterization of closo- and exo-nido-Lanthanacarboranes. <i>Organometallics</i> , 1997 , 16, 2460-2464 | 3.8 | 43 |
| 237 | A Novel Carbons-Adjacent arachno-C ₂ B ₁₀ Carborane Tetraanion Bearing both Hexagonal and Pentagonal Bonding Faces. <i>Organometallics</i> , 2001 , 20, 3836-3838 | 3.8 | 43 |
| 236 | A New Class of Metallacarboranes: Synthesis and Molecular Structure of the First Example of an Organolanthanide Compound Bearing an η -Carboranyl Ligand. <i>Organometallics</i> , 1999 , 18, 3947-3949 | 3.8 | 43 |
| 235 | 1,3-Dehydro-o-carborane: generation and reaction with arenes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8488-91 | 16.4 | 42 |
| 234 | Titanacarborane Amide Catalyzed Transamination of Guanidines \square <i>Organometallics</i> , 2008 , 27, 2685-2687 | 3.8 | 42 |
| 233 | Nickel-mediated coupling reactions of carboryne with alkenes: a synthetic route to alkenylcarboranes. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6572-5 | 16.4 | 42 |
| 232 | Recent advances in the chemistry of carborynes. <i>Coordination Chemistry Reviews</i> , 2016 , 314, 14-33 | 23.2 | 41 |
| 231 | Nickel-catalyzed cross-coupling reactions of o-carboranyl with aryl iodides: facile synthesis of 1-aryl-o-carboranes and 1,2-diaryl-o-carboranes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7662-5 | 16.4 | 41 |
| 230 | Sidearm Effects. Synthesis, Structural Characterization, and Reactivity of Rare Earth Complexes Incorporating a Linked Carboranyl-Indenyl Ligand with a Tethered Oxygen Atom \S . <i>Organometallics</i> , 2004 , 23, 2469-2478 | 3.8 | 41 |

- 229 Transition Metal Catalyzed, Regioselective B(4)-Halogenation and B(4,5)-Diiodination of Cage B-H Bonds in o-Carboranes. *Chemistry - A European Journal*, **2017**, 23, 14866-14871 4.8 40
- 228 Synthesis, structure, and bonding of a zirconocene-1,2-dehydro-o-carborane complex. *Angewandte Chemie - International Edition*, **2003**, 42, 4347-9 16.4 40
- 227 Pd-Catalyzed Selective Bifunctionalization of 3-Iodo-o-Carborane by Pd Migration. *Angewandte Chemie - International Edition*, **2020**, 59, 4851-4855 16.4 40
- 226 Transition metal mediated functionalization of o-carboranes. *Science China Chemistry*, **2014**, 57, 1061-1063 7.3 39
- 225 Generation and reactivity of o-carborynes. *Dalton Transactions*, **2014**, 43, 4925-34 4.3 38
- 224 Constrained-geometry ruthenium carboranyl complexes and their unique chemical properties. *Chemical Communications*, **2009**, 2431-45 5.8 38
- 223 Synthesis and crystal structure of a 13-vertex carborane radical anion with $2n+3$ framework electrons. *Journal of the American Chemical Society*, **2007**, 129, 8964-5 16.4 38
- 222 Synthesis, Folding, and Association of Long Multiblock (PEO23-b-PNIPAM124)750 Chains in Aqueous Solutions. *Macromolecules*, **2008**, 41, 2228-2234 5.5 37
- 221 Sidearm Effects. Synthesis, Structural Characterization, and Reactivity of Lanthanides Incorporating a Linked Carboranyl-Indenyl Ligand with a Tethered Amine Group. *Organometallics*, **2004**, 23, 3780-3787 3.8 37
- 220 Structural diversity in silver salts of hexahalogenocarborane anions, $\text{Ag}(\text{CB}11\text{H}_6\text{X}_6)$ (X = Cl, Br or I). *Journal of the Chemical Society Dalton Transactions*, **1997**, 1213-1218 36
- 219 Ruthenium-mediated coupling/cycloaddition of the cyclopentadienyl ligand in $[\{\eta(5):\sigma\text{-Me}(2)\text{C}(\text{C}(5)\text{H}(4))(\text{C}(2)\text{B}(10)\text{H}(10))\}\text{Ru}(\text{NCCH}(3))_2]$ with alkynes. *Angewandte Chemie - International Edition*, **2006**, 45, 5533-6 16.4 36
- 218 A novel synthetic route to peralkylated carborane anions, 1-H-CB₉Me₉ and 1-H-CB₁₁R₁₁ (R = Me, Et). *Chemical Communications*, **2000**, 1839-1840 5.8 36
- 217 The first full-sandwich potassacarborane and a novel carbons-adjacent $\text{R}_2\text{C}_2\text{B}_{10}\text{H}_{11}$ monoanion. *Chemical Communications*, **2001**, 1110-1111 5.8 36
- 216 Copper catalyzed/mediated direct B-H alkenylation/alkynylation in carboranes. *Science China Chemistry*, **2019**, 62, 74-79 7.9 36
- 215 One stone kills three birds: novel boron-containing vesicles for potential BNCT, controlled drug release, and diagnostic imaging. *Molecular Pharmaceutics*, **2014**, 11, 3291-9 5.6 35
- 214 Synthesis, Structural Characterization, Ligand Displacement Reaction, and Electrochemical Property of Ruthenium Complexes Incorporating Linked Cyclopentadienyl-Carboranyl Ligands. *Organometallics*, **2004**, 23, 5864-5872 3.8 35
- 213 Copper-Catalyzed Electrochemical Selective B-H Oxygenation of o-Carboranes at Room Temperature. *Journal of the American Chemical Society*, **2020**, 142, 6940-6945 16.4 34
- 212 Visible-Light-Promoted Photocatalytic B-C Coupling via a Boron-Centered Carboranyl Radical: Facile Synthesis of B(3)-Arylated o-Carboranes. *Angewandte Chemie - International Edition*, **2016**, 55, 3166-70 16.4 34

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