

Zhenyang Lin

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261
papers

10,068
citations

51
h-index

90
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274
ext. papers

11,316
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
261	Manipulating Charge-Transfer Character with Electron-Withdrawing Main-Group Moieties for the Color Tuning of Iridium Electrophosphors. <i>Advanced Functional Materials</i> , 2008 , 18, 499-511	15.6	458
260	A facile route to aryl boronates: room-temperature, copper-catalyzed borylation of aryl halides with alkoxy diboron reagents. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5350-4	16.4	353
259	Theoretical aspects of palladium-catalysed carbon-carbon cross-coupling reactions. <i>Chemical Society Reviews</i> , 2010 , 39, 1692-705	58.5	301
258	Boryl ligands and their roles in metal-catalysed borylation reactions. <i>Chemical Communications</i> , 2009 , 3987-95	5.8	296
257	Trans influence of boryl ligands and comparison with C, Si, and SN ligands. <i>Inorganic Chemistry</i> , 2005 , 44, 9384-90	5.1	248
256	A Multifunctional Iridium-Carbazolyl Orange Phosphor for High-Performance Two-Element WOLED Exploiting Exciton-Managed Fluorescence/Phosphorescence. <i>Advanced Functional Materials</i> , 2008 , 18, 928-937	15.6	241
255	Organocatalytic asymmetric synthesis of 1,1-diarylethanes by transfer hydrogenation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 383-9	16.4	224
254	Metallophosphors of platinum with distinct main-group elements: a versatile approach towards color tuning and white-light emission with superior efficiency/color quality/brightness trade-offs. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7472		199
253	DFT Studies on the Borylation of π -Unsaturated Carbonyl Compounds Catalyzed by Phosphine Copper(I) Boryl Complexes and Observations on the Interconversions between O- and C-Bound Enolates of Cu, B, and Si. <i>Organometallics</i> , 2008 , 27, 4443-4454	3.8	198
252	DFT Studies of Alkene Insertions into Cu-B Bonds in Copper(I) Boryl Complexes. <i>Organometallics</i> , 2007 , 26, 2824-2832	3.8	196
251	Density functional theory studies on the mechanism of the reduction of CO ₂ to CO catalyzed by copper(I) boryl complexes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15637-43	16.4	186
250	Enantioselective Decarboxylative Cyanation Employing Cooperative Photoredox Catalysis and Copper Catalysis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15632-15635	16.4	183
249	DFT studies on the mechanism of the diboration of aldehydes catalyzed by copper(I) boryl complexes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5586-94	16.4	174
248	Structural and bonding characteristics in transition metal-silane complexes. <i>Chemical Society Reviews</i> , 2002 , 31, 239-45	58.5	168
247	Asymmetric Copper-Catalyzed Intermolecular Aminoarylation of Styrenes: Efficient Access to Optical 2,2-Diarylethylamines. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6811-6814	16.4	146
246	Synthesis, Structure, and Reactivity of Anionic sp ⁽²⁾ -sp ⁽³⁾ Diboron Compounds: Readily Accessible Boryl Nucleophiles. <i>Chemistry - A European Journal</i> , 2015 , 21, 7082-98	4.8	145
245	Enantioselective Copper-Catalyzed Intermolecular Amino- and Azidocyanation of Alkenes in a Radical Process. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2054-2058	16.4	135

244	Iridium-catalyzed C≡N borylation of quinolines and unsymmetrical 1,2-disubstituted benzenes: insights into steric and electronic effects on selectivity. <i>Chemical Science</i> , 2012 , 3, 3505	9.4	129
243	Symmetric Versus Unsymmetric Platinum(II) Bis(aryleneethynylene)s with Distinct Electronic Structures for Optical Power Limiting/Optical Transparency Trade-off Optimization. <i>Advanced Functional Materials</i> , 2009 , 19, 531-544	15.6	122
242	Understanding the Relative Easiness of Oxidative Addition of Aryl and Alkyl Halides to Palladium(0). <i>Organometallics</i> , 2006 , 25, 4030-4033	3.8	121
241	Organocatalytic synthesis of chiral tetrasubstituted allenes from racemic propargylic alcohols. <i>Nature Communications</i> , 2017 , 8, 567	17.4	120
240	DFT Studies on the Carboxylation of Arylboronate Esters with CO ₂ Catalyzed by Copper(I) Complexes. <i>Organometallics</i> , 2010 , 29, 917-927	3.8	108
239	Site-specific allylic C-H bond functionalization with a copper-bound N-centred radical. <i>Nature</i> , 2019 , 574, 516-521	50.4	105
238	Rhodium catalysed dehydrogenative borylation of alkenes: vinylboronates via C-H activation. <i>Dalton Transactions</i> , 2008 , 1055-64	4.3	102
237	Understanding the Higher Reactivity of B ₂ cat ₂ versus B ₂ pin ₂ in Copper(I)-Catalyzed Alkene Diboration Reactions. <i>Organometallics</i> , 2008 , 27, 1178-1186	3.8	102
236	Zinc-Catalyzed Dual C-X and C-H Borylation of Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11843-7	16.4	100
235	Rhodium(III)-Catalyzed Hydrazine-Directed C≡N Activation for Indole Synthesis: Mechanism and Role of Internal Oxidant Probed by DFT Studies. <i>Organometallics</i> , 2015 , 34, 309-318	3.8	96
234	Promoting Effect of Water in Ruthenium-Catalyzed Hydrogenation of Carbon Dioxide to Formic Acid. <i>Organometallics</i> , 2001 , 20, 1216-1222	3.8	95
233	Protonation and bromination of an osmabenzene: reactions leading to the formation of new metallabenzynes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 884-5	16.4	90
232	Synthesis and characterization of rhenabenzenes. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2759-62	16.4	87
231	Facile scission of isonitrile carbon-nitrogen triple bond using a diborane(4) reagent. <i>Nature Communications</i> , 2014 , 5, 4245	17.4	86
230	A metallanaphthalene complex from zinc reduction of a vinylcarbyne complex. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 9065-8	16.4	85
229	Divergent Synthesis of CF ₃ -Substituted Allenyl Nitriles by Ligand-Controlled Radical 1,2- and 1,4-Addition to 1,3-Enynes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7140-7145	16.4	82
228	Regioselective Synthesis of Polycyclic and Heptagon-embedded Aromatic Compounds through a Versatile β -Extension of Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7166-7170	16.4	76
227	A versatile color tuning strategy for iridium(III) and platinum(II) electrophosphors by shifting the charge-transfer states with an electron-deficient core. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1872		76

226	Metal-free borylation of electron-rich aryl (pseudo)halides under continuous-flow photolytic conditions. <i>Organic Chemistry Frontiers</i> , 2016 , 3, 875-879	5.2	74
225	DFT studies on the mechanism of allylative dearomatization catalyzed by palladium. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13010-6	16.4	71
224	Interplay between theory and experiment: computational organometallic and transition metal chemistry. <i>Accounts of Chemical Research</i> , 2010 , 43, 602-11	24.3	69
223	Electrophilic substitution reactions of metallabenzynes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 18350-60	16.4	67
222	Understanding Nonplanarity in Metallabenzene Complexes. <i>Organometallics</i> , 2007 , 26, 1986-1995	3.8	66
221	Synthesis and characterization of a rhenabenzene complex. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10675-8	16.4	65
220	Direct and Base-Catalyzed Diboration of Alkynes Using the Unsymmetrical Diborane(4), pinB-BMes ₂ . <i>Journal of the American Chemical Society</i> , 2016 , 138, 6662-9	16.4	64
219	DFT Studies on the Mechanisms of the Platinum-Catalyzed Diboration of Acyclic π -Unsaturated Carbonyl Compounds. <i>Organometallics</i> , 2012 , 31, 3410-3425	3.8	61
218	Cleaving Dihydrogen with Tetra(o-tolyl)diborane(4). <i>Journal of the American Chemical Society</i> , 2017 , 139, 2593-2596	16.4	60
217	Synthesis and characterization of a metallapyridyne complex. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9838-41	16.4	60
216	Unravelling Chemical Interactions with Principal Interacting Orbital Analysis. <i>Chemistry - A European Journal</i> , 2018 , 24, 9639-9650	4.8	56
215	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
214	Theoretical studies on the regioselectivity of iridium-catalyzed 1,3-dipolar azide-alkyne cycloaddition reactions. <i>Journal of Organic Chemistry</i> , 2014 , 79, 11970-80	4.2	54
213	Structural analysis of five-coordinate transition metal boryl complexes with different d-electron configurations. <i>Inorganic Chemistry</i> , 2004 , 43, 2541-7	5.1	54
212	DFT Studies on Copper-Catalyzed Hydrocarboxylation of Alkynes Using CO ₂ and Hydrosilanes. <i>Organometallics</i> , 2013 , 32, 5224-5230	3.8	53
211	Key intermediates of iodine-mediated electrophilic cyclization: isolation and characterization in an osmabenzene system. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9251-5	16.4	52
210	Conversion of metallabenzynes into carbene complexes. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7295-9	16.4	51
209	Hydrogen/Deuterium Exchange Reactions of Olefins with Deuterium Oxide Mediated by the Carbonylchlorohydro- tris(triphenylphosphine)ruthenium(II) Complex. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 1512-1522	5.6	51

208	Synthesis, structures and properties of platinum(II) complexes of oligothiophene-functionalized ferrocenylacetylene. <i>Dalton Transactions RSC</i> , 2001 , 3250-3260		51
207	Closed-shell electronic requirements for condensed clusters of the group 11 elements. <i>Inorganic Chemistry</i> , 1991 , 30, 91-95	5.1	51
206	Catalytic enantioselective intermolecular desymmetrization of azetidines. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5895-8	16.4	49
205	Enantioselective Copper-Catalyzed Alkynylation of Benzylic C-H Bonds via Radical Relay. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12493-12500	16.4	49
204	Mechanism of Catalytic Hydration of Nitriles with Hydrotris(pyrazolyl)borato (Tp) Ruthenium Complexes. <i>Organometallics</i> , 2008 , 27, 4957-4969	3.8	49
203	Lowering the reduction potential of a boron compound by means of the substituent effect of the boryl group: one-electron reduction of an unsymmetrical diborane(4). <i>Chemistry - A European Journal</i> , 2015 , 21, 4267-71	4.8	47
202	DFT Studies on Copper-Catalyzed Arylation of Aromatic C-H Bonds. <i>Organometallics</i> , 2012 , 31, 560-569	3.8	46
201	Synthesis, structures and optical spectroscopy of photoluminescent platinum-linked poly(silylacetylenes). <i>Dalton Transactions RSC</i> , 2002 , 4587-4594		44
200	Reactions of Isocyanides with Metal Carbyne Complexes: Isolation and Characterization of Metallacyclopropenimine Intermediates. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1822-1825	16.4	43
199	A structural jellium model of cluster electronic structure. <i>Chemical Physics</i> , 1990 , 142, 321-334	2.3	42
198	Synthesis of rhenabenzenes from the reactions of rhenacyclobutadienes with ethoxyethyne. <i>Chemistry - A European Journal</i> , 2014 , 20, 14885-99	4.8	41
197	Computational Insight into the Mechanism of Nickel-Catalyzed Reductive Carboxylation of Styrenes using CO ₂ . <i>Organometallics</i> , 2014 , 33, 7147-7156	3.8	41
196	2,6-Diisopropoxyphenyl(dicyclohexyl)phosphine: A New Ligand for Palladium-Catalyzed Amination Reactions of Aryl Chlorides with Potassium Hydroxide as the Base. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 100-112	5.6	40
195	Nonclassical Ruthenium Silyl Dihydride Complexes TpRu(PPh ₃)(B-HSiR ₃ H) [Tp = Hydridotris(pyrazolyl)borate]: Catalytic Hydrolytic Oxidation of Organosilanes to Silanols with TpRu(PPh ₃)(B-HSiR ₃ H). <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 5675-5684	2.3	40
194	Understanding the Highly Regioselective Cyanothiolation of 1-Alkynes Catalyzed by Palladium Phosphine Complexes. <i>Organometallics</i> , 2008 , 27, 246-253	3.8	40
193	Synthesis, Structures and Luminescent Properties of Alkynyl Complexes of Orthomercuriated Schiff Bases. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 2066-2077	2.3	40
192	Metal-Silane Interaction in the Novel Pseudooctahedral Silane Complex cis-Mo(CO)(PH ₃) ₄ (H ₂ SiH ₃) and Some Related Isomers: An ab Initio Study. <i>Journal of the American Chemical Society</i> , 1996 , 118, 9915-9921	16.4	39
191	Ortho-Substitution reactions of metallabenzenes: an experimental and computational study. <i>Chemistry - A European Journal</i> , 2013 , 19, 10982-91	4.8	38

- 190 Ruthenium-Catalyzed Deuteration of Alcohols with Deuterium Oxide. *Organometallics*, **2015**, 34, 3686-3698 36
- 189 A Potassium Diboryllithate: Synthesis, Bonding Properties, and the Deprotonation of Benzene. *Angewandte Chemie - International Edition*, **2016**, 55, 11426-30 16.4 36
- 188 Theoretical Studies on the Stabilities of Metallabenzynes. *Organometallics*, **2003**, 22, 3898-3904 3.8 36
- 187 Computational Insight into Nickel-Catalyzed Carbon-Carbon versus Carbon-Boron Coupling Reactions of Primary, Secondary, and Tertiary Alkyl Bromides. *Chemistry - A European Journal*, **2015**, 21, 7480-8 4.8 35
- 186 Reaction of B (o-tol) with CO and Isocyanides: Cleavage of the C \equiv O Triple Bond and Direct C-H Borylations. *Angewandte Chemie - International Edition*, **2018**, 57, 6109-6114 16.4 35
- 185 Theoretical studies of ring-opening reactions of phenylcyclobutabenzenol and its reactions with alkynes catalyzed by rhodium complexes. *Journal of Organic Chemistry*, **2013**, 78, 11357-65 4.2 35
- 184 Insertion Reactions of Allenes with Palladium Aryl Complexes [Pd(Ph)(PPh₃)]₂ and Pd(Ph)(dppe). *Organometallics*, **2008**, 27, 2614-2626 3.8 35
- 183 Catalytic H/D Exchange between Organic Compounds and D₂O with TpRu(PPh₃)(CH₃CN)H (Tp = hydro(trispyrazolyl)borate). Reaction of TpRu(PPh₃)(CH₃CN)H with Water to Form Acetamido Complex TpRu(PPh₃)(H₂O)(NHC(O)CH₃). *Organometallics*, **2007**, 26, 1924-1933 3.8 35
- 182 β -Hydrogen Elimination of Five-Membered-Ring Metallacycles. Is It Possible?. *Organometallics*, **2004**, 23, 4154-4159 3.8 35
- 181 Competing Metal π -Acetylene and Metal π (H β i) Interactions in the Complex Ti(η -C₅H₅)₂(η -trans-RC \equiv CSiHR₂). *Organometallics*, **1997**, 16, 494-496 3.8 34
- 180 Enantioselective Palladium-Catalyzed Oxidative Cascade Cyclization of Aliphatic Alkenyl Amides. *Organic Letters*, **2017**, 19, 316-319 6.2 33
- 179 Theoretical Studies on Nickel-Catalyzed Cycloaddition of 3-Azetidinone with Alkynes. *Organometallics*, **2013**, 32, 3003-3011 3.8 33
- 178 Theoretical Investigations on Mechanisms of Pd(OAc)₂-Catalyzed Intramolecular Diaminations in the Presence of Bases and Oxidants. *Organometallics*, **2009**, 28, 4507-4512 3.8 33
- 177 Theoretical Studies on O-Insertion Reactions of Nitrous Oxide with Ruthenium Hydride Complexes. *Organometallics*, **2008**, 27, 3825-3833 3.8 33
- 176 Mechanism for the Carboxylative Coupling Reaction of a Terminal Alkyne, CO₂, and an Allylic Chloride Catalyzed by the Cu(I) Complex: A DFT Study. *ACS Catalysis*, **2014**, 4, 4466-4473 13.1 32
- 175 Mechanism of Endo \rightleftharpoons Exo Interconversion in η -Allyl Cp Complexes: A Longstanding Unresolved Issue. *Organometallics*, **2005**, 24, 2241-2244 3.8 32
- 174 Theoretical study of conjugation, hyperconjugation, and steric effect in B₂D₄ (D=H, F, OH, NH₂, and CH₃). *Journal of Chemical Physics*, **1996**, 105, 1046-1051 3.9 32
- 173 An [Au] Approach to the Study of Gold Nanoclusters. *Inorganic Chemistry*, **2016**, 55, 11348-11353 5.1 31

172	Transition Metal-Free Trans Hydroboration of Alkynoic Acid Derivatives: Experimental and Theoretical Studies. <i>Journal of Organic Chemistry</i> , 2018 , 83, 10436-10444	4.2	31
171	Transition-Metal-Like Behavior of Monovalent Boron Compounds: Reduction, Migration, and Complete Cleavage of CO at a Boron Center. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8708-8713	16.4	30
170	Ring Contraction of a Pinacolatoboryl Group To Form a 1,2-Oxaboretane Ring: Reaction of Unsymmetrical Diborane(4) with 2,6-Dimethylphenyl Isocyanide. <i>Organometallics</i> , 2016 , 35, 2563-2566	3.8	29
169	DFT Studies on the Palladium-Catalyzed Dearomatization Reaction between Chloromethylnaphthalene and the Cyclic Amine Morpholine. <i>Organometallics</i> , 2013 , 32, 2336-2343	3.8	29
168	Theoretical study on the rearrangement of metallabenzenes to cyclopentadienyl complexes. <i>Dalton Transactions</i> , 2011 , 40, 11315-20	4.3	29
167	Cyclometalation of 2-Vinylpyridine with MCl ₂ (PPh ₃) ₃ and MHCl(PPh ₃) ₃ (M = Ru, Os). <i>Organometallics</i> , 2007 , 26, 2849-2860	3.8	29
166	Ligand Effect on the Insertion Reactions of Allenes with MHCl(CO)(PPh ₃) ₃ and MHCl(PPh ₃) ₃ (M = Ru, Os). <i>Organometallics</i> , 2007 , 26, 5581-5589	3.8	29
165	Stille Cross-Coupling Reactions of Alkenylstannanes with Alkenyl Iodides Mediated by Copper(I) Thiophene-2-carboxylate: A Density Functional Study. <i>Organometallics</i> , 2010 , 29, 3077-3084	3.8	28
164	DFT Studies on Gold-Catalyzed Cycloisomerization of 1,5-Enynes. <i>Organometallics</i> , 2012 , 31, 4221-4227	3.8	27
163	Phosphinite Ligand Effects in Palladium(II)-Catalysed Cycloisomerisation of 1,6-Dienes: Bicyclo[3.2.0]heptyl Diphosphinite (B[3.2.0]DPO) Ligands Exhibit Flexible Bite Angles, an Effect Derived from Conformational Changes (exo- or endo-Envelope) in the Bicyclic Ligand Scaffold. <i>Advanced Synthesis and Catalysis</i> , 2006 , 348, 2515-2530	5.6	27
162	Probing the Reactivity of the Ce=O Multiple Bond in a Cerium(IV) Oxo Complex. <i>Inorganic Chemistry</i> , 2016 , 55, 10003-10012	5.1	27
161	The synthesis and structure of a carbene-stabilized iminocarboranyl-boron(I) compound. <i>Chemical Communications</i> , 2015 , 51, 16817-20	5.8	26
160	Insertion Reactions of Allenes Giving Vinyl Complexes. <i>Organometallics</i> , 2005 , 24, 4896-4898	3.8	26
159	Stereochemistry of Seven-Coordinate Main Group and d0 Transition Metal Molecules. <i>Inorganic Chemistry</i> , 1996 , 35, 594-603	5.1	26
158	DFT Studies on the Mechanism of Copper-Catalyzed Boracarboxylation of Alkene with CO ₂ and Diboron. <i>Organometallics</i> , 2019 , 38, 240-247	3.8	26
157	O-Abstraction Reactions of Nitrous Oxide with Cp ₂ Ti(II) and Other Middle Transition Metal Complexes. <i>Organometallics</i> , 2009 , 28, 1158-1164	3.8	25
156	Anionic Bisoxazoline Ligands Enable Copper-Catalyzed Asymmetric Radical Azidation of Acrylamides. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6997-7001	16.4	25
155	Theoretical Studies of Cycloaddition Reactions of Cationic Aluminum Ediketimate Alkyl Complexes with Alkenes and Alkynes. <i>Organometallics</i> , 2005 , 24, 5140-5146	3.8	24

154	Understanding the Readiness of Silane Dissociation in Transition Metal η^5 -Silane Complexes $\text{Cp}(\text{CO})_2\text{M}[\eta^5\text{-H}(\text{SiH}_3\text{-}n\text{Cln})]$ (M = Mn, Tc, and Re; n = 1-5). <i>Organometallics</i> , 2000 , 19, 2051-2054	3.8	24
153	Preparation of Osmium η^5 -Allenylcarbene Complexes and Their Uses for the Syntheses of Osmabenzynes Complexes. <i>Organometallics</i> , 2016 , 35, 1514-1525	3.8	24
152	Reactivity of Highly Lewis-Acidic Diborane(4) toward C \equiv N and N=N Bonds: Uncatalyzed Addition and N=N Bond-Cleavage Reactions. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 317-321	16.4	24
151	1,2,3-Diazaborinine: A BN Analogue of Pyridine Obtained by Ring Expansion of a Borole with an Organic Azide. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 338-342	16.4	24
150	Rearrangement of Metallabenzynes to Chlorocyclopentadienyl Complexes. <i>Organometallics</i> , 2015 , 34, 890-896	3.8	23
149	Theoretical investigations on the unsymmetrical effect of η^5 -Zn-porphyrin sensitizers on the performance for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 3741-3751	3.6	23
148	Reaction of $\text{B}_2(\text{o-tol})_4$ with CO and Isocyanides: Cleavage of the C \equiv O Triple Bond and Direct C \equiv N Borylations. <i>Angewandte Chemie</i> , 2018 , 130, 6217-6222	3.6	23
147	Key Intermediates of Iodine-Mediated Electrophilic Cyclization: Isolation and Characterization in an Osmabenzene System. <i>Angewandte Chemie</i> , 2013 , 125, 9421-9425	3.6	23
146	DFT Studies on Reactions of Transition Metal Complexes with O $_2$. <i>Organometallics</i> , 2009 , 28, 4443-4451	3.8	23
145	Bonding Analysis of Titanocene Borane η^5 -Complexes. <i>Organometallics</i> , 2000 , 19, 2625-2628	3.8	23
144	Rhenium Carbyne and η^5 -Vinyl Complexes from One-Pot Reactions of $\text{ReH}_5(\text{PMe}_2\text{Ph})_3$ with Terminal Alkynes. <i>Organometallics</i> , 2010 , 29, 2693-2701	3.8	22
143	Syntheses, Structures and Photophysical Properties of Metal Carbonyl Clusters with Dansyl and Acridone Luminophores. <i>European Journal of Inorganic Chemistry</i> , 2002 , 2002, 2112-2120	2.3	22
142	Copper(I)-Catalyzed Asymmetric Desymmetrization through Inverse-Electron-Demand aza-Diels-Alder Reaction: Efficient Access to Tetrahydropyridazines Bearing a Unique η^5 -Chiral Silane Moiety. <i>Chemistry - A European Journal</i> , 2017 , 23, 4995-4999	4.8	21
141	Rhenabenzenes and Unexpected Coupling Products from the Reactions of Rhenacyclobutadienes with Ethoxyethyne. <i>Organometallics</i> , 2015 , 34, 167-176	3.8	21
140	Divergent Synthesis of CF $_3$ -Substituted Allenyl Nitriles by Ligand-Controlled Radical 1,2- and 1,4-Addition to 1,3-Enynes. <i>Angewandte Chemie</i> , 2018 , 130, 7258-7263	3.6	21
139	Gold(III)-Catalyzed Intramolecular Cyclization of η^5 -Pyrroles to Pyrrolopyridinones and Pyrroloazepinones: A DFT Study. <i>Organometallics</i> , 2015 , 34, 3538-3545	3.8	20
138	Synthesis and Characterization of Dirhenadehydro[12]annulenes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7194-8	16.4	20
137	DFT studies on the mechanism of palladium-catalyzed carbon-silicon cleavage for the synthesis of benzosilole derivatives. <i>Dalton Transactions</i> , 2014 , 43, 11138-44	4.3	20

136	Synthesis and Characterization of a Metallapyridyne Complex. <i>Angewandte Chemie</i> , 2012 , 124, 9976-9979	9.6	20
135	Functionalization of 9-(Dicyanomethylene)fluorene Derivatives with Substituted Acetylenes. <i>European Journal of Organic Chemistry</i> , 2003 , 2003, 365-373	3.2	20
134	Principal interacting orbital: A chemically intuitive method for deciphering bonding interaction. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2020 , 10, e1469	7.9	19
133	Synthesis and fluxional behaviour of novel chloroborole dimers. <i>Chemical Communications</i> , 2016 , 52, 9707-10	5.8	19
132	Multifunctional Iridium Complexes Based on Carbazole Modules as Highly Efficient Electrophosphors. <i>Angewandte Chemie</i> , 2006 , 118, 7964-7967	3.6	19
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