

Zhenyang Lin

List of Publications by Year in descending order

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264
papers

12,439
citations

26567

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274
times ranked

8221
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	7.8	487
2	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, 5350-5354.	7.2	390
3	Theoretical aspects of palladium-catalysed carbon-carbon cross-coupling reactions. <i>Chemical Society Reviews</i> , 2010, 39, 1692-1705.	18.7	339
4	Boryl ligands and their roles in metal-catalysed borylation reactions. <i>Chemical Communications</i> , 2009, , 3987.	2.2	328
5	Trans Influence of Boryl Ligands and Comparison with C, Si, and Sn Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 9384-9390.	1.9	272
6	Organocatalytic Asymmetric Synthesis of 1,1-Diarylethanes by Transfer Hydrogenation. <i>Journal of the American Chemical Society</i> , 2015, 137, 383-389.	6.6	262
7	A Multifunctional Iridium-Carbazoyl Orange Phosphor for High-Performance Two-Element WOLED Exploiting Exciton-Managed Fluorescence/Phosphorescence. <i>Advanced Functional Materials</i> , 2008, 18, 928-937.	7.8	252
8	Enantioselective Decarboxylative Cyanation Employing Cooperative Photoredox Catalysis and Copper Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 15632-15635.	6.6	252
9	DFT Studies on the Borylation of α,β -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.	1.1	210
10	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.	6.7	210
11	DFT Studies of Alkene Insertions into Cu-B Bonds in Copper(I) Boryl Complexes. <i>Organometallics</i> , 2007, 26, 2824-2832.	1.1	209
12	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, 15637-15643.	6.6	203
13	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.	6.6	196
14	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, 5586-5594.	6.6	193
15	Site-specific allylic C-H bond functionalization with a copper-bound N-centred radical. <i>Nature</i> , 2019, 574, 516-521.	13.7	188
16	Structural and bonding characteristics in transition metal-silane complexes. <i>Chemical Society Reviews</i> , 2002, 31, 239-245.	18.7	185
17	Organocatalytic synthesis of chiral tetrasubstituted allenes from racemic propargylic alcohols. <i>Nature Communications</i> , 2017, 8, 567.	5.8	178
18	Synthesis, Structure, and Reactivity of Anionic sp^2 - sp^3 Diboron Compounds: Readily Accessible Boryl Nucleophiles. <i>Chemistry - A European Journal</i> , 2015, 21, 7082-7098.	1.7	175

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19	Enantioselective Copper-Catalyzed Intermolecular Amino- and Azidocyanation of Alkenes in a Radical Process. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2054-2058.	7.2	174
20	Iridium-catalyzed C-H borylation of quinolines and unsymmetrical 1,2-disubstituted benzenes: insights into steric and electronic effects on selectivity. <i>Chemical Science</i> , 2012, 3, 3505.	3.7	152
21	Divergent Synthesis of CF ₃ -Substituted Allenyl Nitriles by Ligand-Controlled Radical 1,2- and 1,4-Addition to 1,3-Dienes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7140-7145.	7.2	141
22	Understanding the Relative Easiness of Oxidative Addition of Aryl and Alkyl Halides to Palladium(0). <i>Organometallics</i> , 2006, 25, 4030-4033.	1.1	140
23	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.	7.8	133
24	Unravelling Chemical Interactions with Principal Interacting Orbital Analysis. <i>Chemistry - A European Journal</i> , 2018, 24, 9639-9650.	1.7	126
25	Zinc-Catalyzed Dual C-X and C-H Borylation of Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11843-11847.	7.2	123
26	DFT Studies on the Carboxylation of Arylboronate Esters with CO ₂ Catalyzed by Copper(I) Complexes. <i>Organometallics</i> , 2010, 29, 917-927.	1.1	116
27	Facile scission of isonitrile carbon-nitrogen triple bond using a diborane(4) reagent. <i>Nature Communications</i> , 2014, 5, 4245.	5.8	111
28	Rhodium catalysed dehydrogenative borylation of alkenes: Vinylboronates via C-H activation. <i>Dalton Transactions</i> , 2008, , 1055-1064.	1.6	109
29	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.	1.1	108
30	Regioselective Synthesis of Polycyclic and Heptagon-Embedded Aromatic Compounds through a Versatile C-Extension of Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7166-7170.	7.2	108
31	Rhodium(III)-Catalyzed Hydrazine-Directed C-H Activation for Indole Synthesis: Mechanism and Role of Internal Oxidant Probed by DFT Studies. <i>Organometallics</i> , 2015, 34, 309-318.	1.1	105
32	Promoting Effect of Water in Ruthenium-Catalyzed Hydrogenation of Carbon Dioxide to Formic Acid. <i>Organometallics</i> , 2001, 20, 1216-1222.	1.1	103
33	Synthesis and Characterization of Rhenabenzenes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2759-2762.	7.2	101
34	Protonation and Bromination of an Osmabenzynes: Reactions Leading to the Formation of New Metallabenzenes. <i>Journal of the American Chemical Society</i> , 2003, 125, 884-885.	6.6	98
35	A Metallanaphthalene Complex from Zinc Reduction of a Vinylcarbyne Complex. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9065-9068.	7.2	97
36	Enantioselective Copper-Catalyzed Alkynylation of Benzylic C-H Bonds via Radical Relay. <i>Journal of the American Chemical Society</i> , 2020, 142, 12493-12500.	6.6	90

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37	Metal-free borylation of electron-rich aryl (pseudo)halides under continuous-flow photolytic conditions. <i>Organic Chemistry Frontiers</i> , 2016, 3, 875-879.	2.3	87
38	Cleaving Dihydrogen with Tetra(<i>o</i> -tolyl)diborane(4). <i>Journal of the American Chemical Society</i> , 2017, 139, 2593-2596.	6.6	84
39	Synthesis, Structure and Reactivity of a Borylene Cation [(NHSi) ₂ B(CO)] ⁺ Stabilized by Three Neutral Ligands. <i>Journal of the American Chemical Society</i> , 2017, 139, 13680-13683.	6.6	84
40	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.	1.6	84
41	Understanding Nonplanarity in Metallabenzene Complexes. <i>Organometallics</i> , 2007, 26, 1986-1995.	1.1	81
42	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, 6662-6669.	6.6	81
43	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.	6.7	80
44	Interplay between Theory and Experiment: Computational Organometallic and Transition Metal Chemistry. <i>Accounts of Chemical Research</i> , 2010, 43, 602-611.	7.6	79
45	DFT Studies on the Mechanism of Allylative Dearomatization Catalyzed by Palladium. <i>Journal of the American Chemical Society</i> , 2006, 128, 13010-13016.	6.6	76
46	Electrophilic Substitution Reactions of Metallabenzynes. <i>Journal of the American Chemical Society</i> , 2011, 133, 18350-18360.	6.6	76
47	Synthesis and Characterization of a Rhenabenzynes Complex. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10675-10678.	7.2	74
48	DFT Studies on the Mechanisms of the Platinum-Catalyzed Diboration of Acyclic π -Unsaturated Carbonyl Compounds. <i>Organometallics</i> , 2012, 31, 3410-3425.	1.1	72
49	Synthesis and Characterization of a Metallapyridyne Complex. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9838-9841.	7.2	71
50	Principal interacting orbital: A chemically intuitive method for deciphering bonding interaction. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2020, 10, e1469.	6.2	67
51	Hydrogen/Deuterium Exchange Reactions of Olefins with Deuterium Oxide Mediated by the Carbonylchlorohydroido-tris(triphenylphosphine)ruthenium(II) Complex. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1512-1522.	2.1	66
52	Theoretical Studies on the Regioselectivity of Iridium-Catalyzed 1,3-Dipolar Azide-Alkyne Cycloaddition Reactions. <i>Journal of Organic Chemistry</i> , 2014, 79, 11970-11980.	1.7	64
53	Closed-shell electronic requirements for condensed clusters of the group 11 elements. <i>Inorganic Chemistry</i> , 1991, 30, 91-95.	1.9	59
54	DFT Studies on Copper-Catalyzed Hydrocarboxylation of Alkynes Using CO ₂ and Hydrosilanes. <i>Organometallics</i> , 2013, 32, 5224-5230.	1.1	58

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55	Structural Analysis of Five-Coordinate Transition Metal Boryl Complexes with Different d-Electron Configurations. <i>Inorganic Chemistry</i> , 2004, 43, 2541-2547.	1.9	57
56	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.	6.6	57
57	Conversion of Metallabenzynes into Carbene Complexes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7295-7299.	7.2	56
58	Key Intermediates of Iodine-Mediated Electrophilic Cyclization: Isolation and Characterization in an Osmabenzene System. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9251-9255.	7.2	56
59	Catalytic Enantioselective Intermolecular Desymmetrization of Azetidines. <i>Journal of the American Chemical Society</i> , 2015, 137, 5895-5898.	6.6	56
60	Synthesis, structures and properties of platinum(ii) complexes of oligothiophene-functionalized ferrocenylacetylene. <i>Dalton Transactions RSC</i> , 2001, , 3250-3260.	2.3	55
61	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, 4267-4271.	1.7	54
62	Transition Metal-Free <i>trans</i> Hydroboration of Alkynoic Acid Derivatives: Experimental and Theoretical Studies. <i>Journal of Organic Chemistry</i> , 2018, 83, 10436-10444.	1.7	54
63	Mechanism of Catalytic Hydration of Nitriles with Hydrotris(pyrazolyl)borato (Tp) Ruthenium Complexes. <i>Organometallics</i> , 2008, 27, 4957-4969.	1.1	53
64	Reaction of B ₂ (<i>o</i> -tol) ₄ with CO and Isocyanides: Cleavage of the B ₂ O Triple Bond and Direct C-H Borylations. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6109-6114.	7.2	53
65	Synthesis of Rhenabenzenes from the Reactions of Rhenacyclobutadienes with Ethoxyethyne. <i>Chemistry - A European Journal</i> , 2014, 20, 14885-14899.	1.7	51
66	DFT Studies on Copper-Catalyzed Arylation of Aromatic C-H Bonds. <i>Organometallics</i> , 2012, 31, 560-569.	1.1	50
67	Anionic Bisoxazoline Ligands Enable Copper-Catalyzed Asymmetric Radical Azidation of Acrylamides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6997-7001.	7.2	50
68	Synthesis, structures and optical spectroscopy of photoluminescent platinum-linked poly(silylacetylenes). <i>Dalton Transactions RSC</i> , 2002, , 4587-4594.	2.3	49
69	Enantioselective Copper-Catalyzed Radical Cyanation of Propargylic C-H Bonds: Easy Access to Chiral Allenyl Nitriles. <i>Journal of the American Chemical Society</i> , 2021, 143, 14451-14457.	6.6	49
70	A structural jellium model of cluster electronic structure. <i>Chemical Physics</i> , 1990, 142, 321-334.	0.9	47
71	Metal-Silane Interaction in the Novel Pseudoctahedral 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.	6.6	45
72	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.	2.1	45

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73	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.	7.2	44
74	Understanding the Highly Regioselective Cyanothiolation of 1-Alkynes Catalyzed by Palladium Phosphine Complexes. <i>Organometallics</i> , 2008, 27, 246-253.	1.1	43
75	Computational Insight into the Mechanism of Nickel-Catalyzed Reductive Carboxylation of Styrenes using CO ₂ . <i>Organometallics</i> , 2014, 33, 7147-7156.	1.1	43
76	Ruthenium-Catalyzed Deuteration of Alcohols with Deuterium Oxide. <i>Organometallics</i> , 2015, 34, 3686-3698.	1.1	43
77	Computational Insight into Nickel-Catalyzed Carbon-Carbon versus Carbon-Boron Coupling Reactions of Primary, Secondary, and Tertiary Alkyl Bromides. <i>Chemistry - A European Journal</i> , 2015, 21, 7480-7488.	1.7	43
78	A Potassium Diboryllithate: Synthesis, Bonding Properties, and the Deprotonation of Benzene. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11426-11430.	7.2	43
79	Enantioselective Palladium-Catalyzed Oxidative Cascade Cyclization of Aliphatic Alkenyl Amides. <i>Organic Letters</i> , 2017, 19, 316-319.	2.4	43
80	Nonclassical Ruthenium Silyl Dihydride Complexes TpRu(PPh ₃) ₃ (³ HSiR ₃) [Tp = Hydridotris(pyrazolyl)borate]: Catalytic Hydrolytic Oxidation of Organosilanes to Silanols with TpRu(PPh ₃) ₃ (³ HSiR ₃). <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 5675-5684.	1.0	42
81	Substitution Reactions of Metallabenzene: An Experimental and Computational Study. <i>Chemistry - A European Journal</i> , 2013, 19, 10982-10991.	1.7	42
82	Competing Metal- π -Acetylene and Metal- σ -(H-Si) Interactions in the Complex Ti(η -C ₅ H ₅) ₂ (η -2-trans-RC \equiv CSiHR ₂). <i>Organometallics</i> , 1997, 16, 494-496.	1.1	41
83	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.	7.2	41
84	Synthesis, Structures and Luminescent Properties of η -Alkynyl Complexes of Orthomercuriated Schiff Bases. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2066-2077.	1.0	40
85	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.	7.2	40
86	Synthesis, Characterization, and Density Functional Theory Studies of Three-Dimensional Inorganic Analogues of 9,10-Diboranthracene—A New Class of Lewis Superacids. <i>Journal of the American Chemical Society</i> , 2021, 143, 8552-8558.	6.6	40
87	η -Hydrogen Elimination of Five-Membered-Ring Metallocycles. Is It Possible?. <i>Organometallics</i> , 2004, 23, 4154-4159.	1.1	39
88	Insertion Reactions of Allenes with Palladium Aryl Complexes [PdI(Ph)(PPh ₃) ₂ and PdI(Ph)(dppe)]. <i>Organometallics</i> , 2008, 27, 2614-2626.	1.1	38
89	Theoretical Studies of Ring-Opening Reactions of Phenylcyclobutabenzenol and Its Reactions with Alkynes Catalyzed by Rhodium Complexes. <i>Journal of Organic Chemistry</i> , 2013, 78, 11357-11365.	1.7	38
90	Rhodium-Catalyzed Deoxygenation and Borylation of Ketones: A Combined Experimental and Theoretical Investigation. <i>Journal of the American Chemical Society</i> , 2020, 142, 18118-18127.	6.6	38

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91	Theoretical Studies on the Stabilities of Metallabenzynes. <i>Organometallics</i> , 2003, 22, 3898-3904.	1.1	37
92	Catalytic H/D Exchange between Organic Compounds and D ₂ O with TpRu(PPh ₃)(CH ₃ CN)H (Tp = Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50) TpRu(PPh ₃)(H ₂ O)(NHC(O)CH ₃). <i>Organometallics</i> , 2007, 26, 1924-1933.	1.1	37
93	Mechanism for the Carboxylative Coupling Reaction of a Terminal Alkyne, CO ₂ , and an Allylic Chloride Catalyzed by the Cu(I) Complex: A DFT Study. <i>ACS Catalysis</i> , 2014, 4, 4466-4473.	5.5	37
94	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.	1.1	37
95	An [Au ₁₃] ⁵⁺ Approach to the Study of Gold Nanoclusters. <i>Inorganic Chemistry</i> , 2016, 55, 11348-11353.	1.9	37
96	Mechanism of Endo \rightleftharpoons Exo Interconversion in η^3 -Allyl Cp Complexes: A Longstanding Unresolved Issue. <i>Organometallics</i> , 2005, 24, 2241-2244.	1.1	36
97	Theoretical Studies on Nickel-Catalyzed Cycloaddition of 3-Azetidinone with Alkynes. <i>Organometallics</i> , 2013, 32, 3003-3011.	1.1	36
98	DFT Studies on the Mechanism of Copper-Catalyzed Boracarboxylation of Alkene with CO ₂ and Diboron. <i>Organometallics</i> , 2019, 38, 240-247.	1.1	36
99	Solution-Phase Synthesis of a Base-Free Benzoborirene and a Three-Dimensional Inorganic Analogue. <i>Journal of the American Chemical Society</i> , 2020, 142, 17243-17249.	6.6	36
100	Theoretical Studies on O-Insertion Reactions of Nitrous Oxide with Ruthenium Hydride Complexes. <i>Organometallics</i> , 2008, 27, 3825-3833.	1.1	35
101	Theoretical Investigations on Mechanisms of Pd(OAc) ₂ -Catalyzed Intramolecular Diaminations in the Presence of Bases and Oxidants. <i>Organometallics</i> , 2009, 28, 4507-4512.	1.1	34
102	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.	1.1	34
103	The synthesis and structure of a carbene-stabilized iminocarboranyl-boron(σ) compound. <i>Chemical Communications</i> , 2015, 51, 16817-16820.	2.2	34
104	Theoretical study of conjugation, hyperconjugation, and steric effect in B ₂ D ₄ (D=H, F, OH, NH ₂ , and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	33
105	DFT Studies on the Palladium-Catalyzed Dearomatization Reaction between Chloromethylnaphthalene and the Cyclic Amine Morpholine. <i>Organometallics</i> , 2013, 32, 2336-2343.	1.1	33
106	Ligand Effect on the Insertion Reactions of Allenes with MHCl(CO)(PPh ₃) ₃ and MHCl(PPh ₃) ₃ (M = Ru,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	32
107	Theoretical study on the rearrangement of metallabenzynes to cyclopentadienyl complexes. <i>Dalton Transactions</i> , 2011, 40, 11315.	1.6	32
108	Phosphinite Ligand Effects in Palladium(II)-Catalysed Cycloisomerisation of 1,6-Dienes: Bicyclo[3.2.0]heptanyl Diphosphinite (B[3.2.0]DPO) Ligands Exhibit Flexible Bite Angles, an Effect Derived from Conformational Changes (exo-orendo-Envelope) in the Bicyclic Ligand Scaffold. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 2515-2530.	2.1	31

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109	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.	1.1	30
110	Probing the Reactivity of the $Ce\text{-}O$ Multiple Bond in a Cerium(IV) Oxo Complex. <i>Inorganic Chemistry</i> , 2016, 55, 10003-10012.	1.9	30
111	Stereochemistry of Seven-Coordinate Main Group and d-Transition Metal Molecules. <i>Inorganic Chemistry</i> , 1996, 35, 594-603.	1.9	29
112	DFT Studies on Gold-Catalyzed Cycloisomerization of 1,5-Enynes. <i>Organometallics</i> , 2012, 31, 4221-4227.	1.1	29
113	Rearrangement of Metallabenzynes to Chlorocyclopentadienyl Complexes. <i>Organometallics</i> , 2015, 34, 890-896.	1.1	29
114	Understanding the Readiness of Silane Dissociation in Transition Metal η^2 -Silane Complexes $Cp(CO)_2M[\eta^2-H(SiH_3-nCl)_n]$ ($M = Mn, Tc$, and Re ; $n = 1-3$). <i>Organometallics</i> , 2000, 19, 2051-2054.	1.1	28
115	Insertion Reactions of Allenes Giving Vinyl Complexes. <i>Organometallics</i> , 2005, 24, 4896-4898.	1.1	28
116	Rhenium Carbyne and η^2 -Vinyl Complexes from One-Pot Reactions of $ReH_5(PMe_2Ph)_3$ with Terminal Alkynes. <i>Organometallics</i> , 2010, 29, 2693-2701.	1.1	28
117	Copper(I)-Catalyzed Asymmetric Desymmetrization through Inverse-Electron-Demand aza-Diels-Alder Reaction: Efficient Access to Tetrahydropyridazines Bearing a Unique \pm -Chiral Silane Moiety. <i>Chemistry - A European Journal</i> , 2017, 23, 4995-4999.	1.7	28
118	Facile synthesis of polycyclic metallaarynes. <i>Chemical Science</i> , 2018, 9, 5994-5998.	3.7	28
119	Iridium-Catalyzed Enantioselective Hydrogenation of Oxocarbenium Ions: A Case of Ionic Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6108-6114.	7.2	28
120	Rhenabenzenes and Unexpected Coupling Products from the Reactions of Rhenacyclobutadienes with Ethoxyethyne. <i>Organometallics</i> , 2015, 34, 167-176.	1.1	27
121	Preparation of Osmium η^3 -Allenylcarbene Complexes and Their Uses for the Syntheses of Osmabenzynes Complexes. <i>Organometallics</i> , 2016, 35, 1514-1525.	1.1	27
122	Reaction of $B_2(\text{tol})_4$ with CO and Isocyanides: Cleavage of the $C\equiv O$ Triple Bond and Direct $C\text{-}H$ Borylations. <i>Angewandte Chemie</i> , 2018, 130, 6217-6222.	1.6	27
123	Synthesis of Complex Boron-Nitrogen Heterocycles Comprising Borylated Triazenes and Tetrazenes Under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2020, 142, 1065-1076.	6.6	27
124	Bonding Analysis of Titanocene Borane η^f -Complexes. <i>Organometallics</i> , 2000, 19, 2625-2628.	1.1	26
125	Theoretical Studies of Cycloaddition Reactions of Cationic Aluminum η^2 -Diketiminato Alkyl Complexes with Alkenes and Alkynes. <i>Organometallics</i> , 2005, 24, 5140-5146.	1.1	26
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