

# Zhenyang Lin

## 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.

261 papers	10,068 citations	51 h-index	90 g-index
274 ext. papers	11,316 ext. citations	7.6 avg, IF	6.64 L-index

#	Paper	IF	Citations
261	Facile access to halogenated cationic B/C-centered organoborons isoelectronic with alkenyl halides. <i>Dalton Transactions</i> , <b>2021</b> , 50, 17491-17494	4.3	1
260	C=C versus C≡C Activation: Understanding How the Carbene $\pi$ -Accepting Ability Controls the Intramolecular Reactivities of Mono(carbene)-Stabilized Borylenes. <i>Organometallics</i> , <b>2021</b> , 40, 766-775	3.8	2
259	Beyond the Nucleophilic Role of Metal-Boryl Complexes in Borylation Reactions. <i>ACS Catalysis</i> , <b>2021</b> , 11, 5061-5068	13.1	8
258	Synthesis, Characterization, and Density Functional Theory Studies of Three-Dimensional Inorganic Analogues of 9,10-Diboraanthracene-A New Class of Lewis Superacids. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 8552-8558	16.4	10
257	Mechanistic Insights into Activation of Carbon Monoxide, Carbon Dioxide, and Nitrous Oxide by Acyclic Silylene. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 8998-9007	5.1	2
256	Antiferromagnetically coupled [Fe <sub>8</sub> S <sub>9</sub> ] cluster catalyzed acetylene reduction in a nitrogenase-like enzyme DCCPCh: Insights from QM/MM calculations. <i>Journal of Catalysis</i> , <b>2021</b> , 398, 67-75	7.3	4
255	Rethinking Borole Cycloaddition Reactivity. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 11226-11233	4.8	2
254	Anionic Bisoxazoline Ligands Enable Copper-Catalyzed Asymmetric Radical Azidation of Acrylamides. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 6997-7001	16.4	25
253	Selenium-catalyzed intramolecular atom- and redox-economical transformation of o-nitrotoluenes into anthranilic acids. <i>Green Chemistry</i> , <b>2021</b> , 23, 2986-2991	10	5
252	2,2-difluorovinyl benzoates for diverse synthesis of gem-difluoroenol ethers by Ni-catalyzed cross-coupling reactions. <i>Nature Communications</i> , <b>2021</b> , 12, 412	17.4	6
251	Understanding the reaction mechanism of gold-catalyzed reactions of 2,1-benzisoxazoles with propiolates and ynamides. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 3342-3353	5.2	0
250	Mechanistic study on the reaction of pinB-BMcs with alkynes based on experimental investigation and DFT calculations: gradual change of mechanism depending on the substituent. <i>Chemical Science</i> , <b>2021</b> , 12, 9806-9815	9.4	2
249	Understanding the insertion reactions of CO <sub>2</sub> , aldehyde and alkene into CuX (X = B, C, O) bonds. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 15022-15027	3.6	1
248	Structure and Bonding of Group 14 Clusters: Wade's Rules and Beyond. <i>Structure and Bonding</i> , <b>2021</b> , 157, 1-17	0.9	0
247	Marine furanocembranoids-inspired macrocycles enabled by Pd-catalyzed unactivated C(sp <sup>3</sup> )-H olefination mediated by donor/donor carbenes. <i>Nature Communications</i> , <b>2021</b> , 12, 1304	17.4	8
246	Anionic Bisoxazoline Ligands Enable Copper-Catalyzed Asymmetric Radical Azidation of Acrylamides. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 7073-7077	3.6	7
245	Carbolong Chemistry: Planar CCCCX-Type (X = N, O, S) Pentadentate Chelates by Formal [3+1] Cycloadditions of Metalla-Azirines with Terminal Alkynes. <i>CCS Chemistry</i> , <b>2021</b> , 3, 758-763	7.2	6

244	Rhodium-Catalyzed Regiodivergent Synthesis of Alkylboronates via Deoxygenative Hydroboration of Aryl Ketones: Mechanism and Origin of Selectivities. <i>ACS Catalysis</i> , <b>2021</b> , 11, 9495-9505	13.1	5
243	Enantioselective Rh-Catalyzed Hydroboration of Silyl Enol Ethers. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 10902-10909	16.4	5
242	Isomerization of a cis-(2-Borylalkenyl)Gold Complex via a Retro-1,2-Metalate Shift: Cleavage of a C/C-Bi Bond trans to a C-Au Bond. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 21175-21181	3.6	1
241	Isomerization of a cis-(2-Borylalkenyl)Gold Complex via a Retro-1,2-Metalate Shift: Cleavage of a C-C/C-Si Bond trans to a C-Au Bond. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 21007-21013	16.4	4
240	Enantioselective Copper-Catalyzed Radical Cyanation of Propargylic C-H Bonds: Easy Access to Chiral Allenyl Nitriles. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 14451-14457	16.4	8
239	Metal-free access to 3-allyl-2-alkoxychromanones via phosphine-catalyzed alkoxy allylation of chromones with MBH carbonates and alcohols. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 2663-2667	3.9	0
238	Azavinylidene Complexes from Coupling Reactions of Organonitriles with Phosphines. <i>Organometallics</i> , <b>2021</b> , 40, 358-369	3.8	2
237	Ring expansion of alumoles with organic azides: selective formation of six-membered aluminum-nitrogen heterocycles. <i>Chemical Science</i> , <b>2020</b> , 11, 5559-5564	9.4	6
236	Halide Effects on the Stability of Osmium Indenylidene Complexes: Isolation, Characterization, and Reactivities. <i>Organometallics</i> , <b>2020</b> , 39, 2142-2151	3.8	2
235	Unexpected Electronic Behavior of Organic Azide and Metal-Carbyne in Their 1,3-Dipolar Cycloaddition Reaction. <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 1565-1570	4.9	3
234	Superatomic Ligand-Field Splitting in Ligated Gold Nanoclusters. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 8864-8870	9.1	3
233	Enantioselective Copper-Catalyzed Alkynylation of Benzylic C-H Bonds via Radical Relay. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 12493-12500	16.4	49
232	Principal interacting orbital: A chemically intuitive method for deciphering bonding interaction. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , <b>2020</b> , 10, e1469	7.9	19
231	Substituent Effect on the Reactions of OsCl <sub>2</sub> (PPh <sub>3</sub> ) <sub>3</sub> with o-Ethynylphenyl Carbonyl Compounds. <i>Organometallics</i> , <b>2020</b> , 39, 574-584	3.8	4
230	Cu(I)-Catalyzed Enantioselective Alkynylation of Thiochromones. <i>Organic Letters</i> , <b>2020</b> , 22, 1155-1159	6.2	11
229	Iridium-Catalyzed Enantioselective Hydrogenation of Oxocarbenium Ions: A Case of Ionic Hydrogenation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6108-6114	16.4	18
228	Principal interacting spin orbital: understanding the fragment interactions in open-shell systems. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 10076-10086	3.6	7
227	Theoretical Studies on Rh-Catalyzed Cycloisomerization of Homopropargylallene-Alkynes through C(sp <sup>3</sup> )-C(sp) Bond Activation. <i>ACS Catalysis</i> , <b>2020</b> , 10, 1828-1837	13.1	8

226	Modular bonding picture for aromatic borometallic molecular wheels. <i>Theoretical Chemistry Accounts</i> , <b>2020</b> , 139, 1	1.9	3
225	Synthesis of Complex Boron-Nitrogen Heterocycles Comprising Borylated Triazenes and Tetrazenes Under Mild Conditions. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 1065-1076	16.4	14
224	Rhodium-Catalyzed Deoxygenation and Borylation of Ketones: A Combined Experimental and Theoretical Investigation. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 18118-18127	16.4	18
223	Understanding the Diverse Reactivity of Pentaphenylborole toward Epoxides. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 14139-14148	4.2	2
222	1,4-Selective Hydrovinylation of Diene Catalyzed by an Iron Diimine Catalyst: A Computational Case Study on Two-State Reactivity. <i>ACS Catalysis</i> , <b>2020</b> , 10, 12454-12465	13.1	4
221	A Study of the Reactivity of (Aza-)Quinone Methides in Selective C6-Alkylations of Indoles. <i>ChemCatChem</i> , <b>2020</b> , 12, 5053-5057	5.2	4
220	DFT Studies on Copper-Catalyzed Dearomatization of Pyridine. <i>ACS Catalysis</i> , <b>2020</b> , 10, 9585-9593	13.1	5
219	Solution-Phase Synthesis of a Base-Free Benzoborirene and a Three-Dimensional Inorganic Analogue. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 17243-17249	16.4	7
218	Nucleophilic reactivity of the gold atom in a diarylborylgold(i) complex toward polar multiple bonds. <i>Chemical Science</i> , <b>2020</b> , 12, 917-928	9.4	14
217	DFT Studies on Metal-Controlled Regioselective Amination of $\alpha$ -Acylpyrazoles with Azodicarboxylates. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 12399-12407	4.2	4
216	Inter-ligand delocalisations in transition metal complexes containing multiple non-innocent ligands. <i>Dalton Transactions</i> , <b>2019</b> , 48, 14801-14807	4.3	5
215	Revitalizing Spin Natural Orbital Analysis: Electronic Structures of Mixed-Valence Compounds, Singlet Biradicals, and Antiferromagnetically Coupled Systems. <i>Journal of Computational Chemistry</i> , <b>2019</b> , 40, 1172-1184	3.5	5
214	Access to Metal-Bridged Osmathiazine Derivatives by a Formal [4+2] Cyclization. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 5077-5085	4.8	2
213	Substituent Effects on Reactions of [RhCl(COD)] <sub>2</sub> with Diazoalkanes. <i>Organometallics</i> , <b>2019</b> , 38, 905-915	3.8	5
212	Successive modification of polydentate complexes gives access to planar carbon- and nitrogen-based ligands. <i>Nature Communications</i> , <b>2019</b> , 10, 1488	17.4	9
211	4-Coordinated, 14-electron ruthenium(ii) chalcogenolate complexes: synthesis, electronic structure and reactions with PhICl and organic azides. <i>Dalton Transactions</i> , <b>2019</b> , 48, 13315-13325	4.3	2
210	Organocatalytic Enantioselective Functionalization of Unactivated Indole C(sp <sup>3</sup> )H Bonds. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 16063-16068	3.6	3
209	Organocatalytic Enantioselective Functionalization of Unactivated Indole C(sp <sup>3</sup> )H Bonds. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15916-15921	16.4	9

208	Hydroalkynylation of Enamides Using Iridium or Rhodium Complexes: DFT Study on the Mechanism and Regioselectivity. <i>Organometallics</i> , <b>2019</b> , 38, 2998-3006	3.8	10
207	Remote Bonding in Clusters [PdGeR]: Modular Bonding Model for Large Clusters via Principal Interacting Orbital Analysis. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 3473-3478	5.1	5
206	Synthesis, structure and DFT calculations of mononuclear cyclic (alkyl)(amino) carbene supported titanium(ii) complexes. <i>Dalton Transactions</i> , <b>2019</b> , 48, 14962-14965	4.3	6
205	Site-specific allylic C-H bond functionalization with a copper-bound N-centred radical. <i>Nature</i> , <b>2019</b> , 574, 516-521	50.4	105
204	DFT Studies on the Mechanism of Copper-Catalyzed Boracarboxylation of Alkene with CO <sub>2</sub> and Diboron. <i>Organometallics</i> , <b>2019</b> , 38, 240-247	3.8	26
203	Reactivity of Highly Lewis-Acidic Diborane(4) toward C≡N and N=N Bonds: Uncatalyzed Addition and N=N Bond-Cleavage Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 317-321	16.4	24
202	Reactivity of Highly Lewis-Acidic Diborane(4) toward C≡N and N=N Bonds: Uncatalyzed Addition and N=N Bond-Cleavage Reactions. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 323-327	3.6	17
201	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> , <b>2019</b> , 58, 338-342	16.4	24
200	Reaction of B (o-tol) with CO and Isocyanides: Cleavage of the C≡O Triple Bond and Direct C-H Borylations. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6109-6114	16.4	35
199	DFT Studies on the Reactions of Boroles with Alkynes. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9612-9621	4.8	13
198	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> , <b>2018</b> , 57, 8708-8713	16.4	30
197	Mechanistic studies on the palladium-catalyzed cross-dehydrogenative coupling of 4-phenoxy-2-coumarins: experimental and computational insights. <i>Dalton Transactions</i> , <b>2018</b> , 47, 6049-6053	4.3	2
196	Divergent Synthesis of CF <sub>3</sub> -Substituted Allenyl Nitriles by Ligand-Controlled Radical 1,2- and 1,4-Addition to 1,3-Enynes. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7140-7145	16.4	82
195	Divergent Synthesis of CF <sub>3</sub> -Substituted Allenyl Nitriles by Ligand-Controlled Radical 1,2- and 1,4-Addition to 1,3-Enynes. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7258-7263	3.6	21
194	Transition-Metal-Like Behavior of Monovalent Boron Compounds: Reduction, Migration, and Complete Cleavage of CO at a Boron Center. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8844-8849	3.6	14
193	Theoretical Studies on Pd(II)-Catalyzed meta-Selective C-H Bond Arylation of Arenes. <i>ACS Catalysis</i> , <b>2018</b> , 8, 2498-2507	13.1	12
192	Syntheses of Re(V) Alkylidyne Complexes and Ligand Effect on the Reactivity of Re(V) Alkylidyne Complexes toward Alkynes. <i>Organometallics</i> , <b>2018</b> , 37, 559-569	3.8	12
191	Isolation and enantiostability of the B-chiral bis(salicylato)borate anions [B (Sal)] and [B (Sal)] <sup>-</sup> . <i>RSC Advances</i> , <b>2018</b> , 8, 1451-1460	3.7	5

190	Theoretical investigations on the unsymmetrical effect of link Zn-porphyrin sensitizers on the performance for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 3741-3751	3.6	23
189	Reaction of B2(o-tol)4 with CO and Isocyanides: Cleavage of the C≡O Triple Bond and Direct C≡N Borylations. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6217-6222	3.6	23
188	Unravelling Chemical Interactions with Principal Interacting Orbital Analysis. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9639-9650	4.8	56
187	A chiral spiroborate anion from diphenyl-L-tartramide [B{L-Tar(NHPh)2}2] applied to some challenging resolutions. <i>CrystEngComm</i> , <b>2018</b> , 20, 4831-4848	3.3	4
186	Syntheses and Structures of Ruthenium Complexes Containing a Ru-H-Tl Three-Center-Two-Electron Bond. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 12874-12879	16.4	5
185	Transition Metal-Free Trans Hydroboration of Alkynoic Acid Derivatives: Experimental and Theoretical Studies. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 10436-10444	4.2	31
184	NHC-Catalyzed Electrophilic Trifluoromethylation: Efficient Synthesis of $\alpha$ -Trifluoromethyl $\beta$ -Unsaturated Esters. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12273-12277	3.6	11
183	Rhenium-Promoted C-C Bond-Cleavage Reactions of Internal Propargyl Alcohols. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9760-9764	4.8	7
182	Facile synthesis of polycyclic metallaarynes. <i>Chemical Science</i> , <b>2018</b> , 9, 5994-5998	9.4	17
181	Syntheses and Structures of Ruthenium Complexes Containing a Ru-H-Tl Three-Center-Two-Electron Bond. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 13056-13061	3.6	
180	Reactions of Osmium Carbyne Complexes OsCl3(=CR)(PPh3)2 (R = CH=CPH2, CH2Ar) with Bromine and Hydrogen Peroxide. <i>Organometallics</i> , <b>2017</b> , 36, 657-664	3.8	5
179	Reactions of Isocyanides with Metal Carbyne Complexes: Isolation and Characterization of Metallacyclopropenimine Intermediates. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 1822-1825	16.4	43
178	Enantioselective Copper-Catalyzed Intermolecular Amino- and Azidocyanation of Alkenes in a Radical Process. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2054-2058	16.4	135
177	Enantioselective Palladium-Catalyzed Oxidative Cascade Cyclization of Aliphatic Alkenyl Amides. <i>Organic Letters</i> , <b>2017</b> , 19, 316-319	6.2	33
176	Computational Studies on Rhodium(III) Catalyzed C≡N Functionalization versus Deoxygenation of Quinoline N-Oxides with Diazo Compounds. <i>Organometallics</i> , <b>2017</b> , 36, 650-656	3.8	18
175	Structure and bonding of [PdSn]: an interesting example of the mutual delocalisation phenomenon. <i>Dalton Transactions</i> , <b>2017</b> , 46, 2214-2219	4.3	7
174	Cleaving Dihydrogen with Tetra(o-tolyl)diborane(4). <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 2593-2596	16.4	60
173	Copper(I)-Catalyzed Asymmetric Desymmetrization through Inverse-Electron-Demand aza-Diels-Alder Reaction: Efficient Access to Tetrahydropyridazines Bearing a Unique $\beta$ -Chiral Silane Moiety. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 4995-4999	4.8	21



172	Regioselective Synthesis of Polycyclic and Heptagon-embedded Aromatic Compounds through a Versatile Extension of Aryl Halides. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7166-7170	16.4	76
171	Asymmetric Copper-Catalyzed Intermolecular Aminoarylation of Styrenes: Efficient Access to Optical 2,2-Diarylethylamines. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6811-6814	16.4	146
170	Localized bonding model for coordination and cluster compounds. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 345, 42-53	23.2	4
169	DFT Studies of Dimerization Reactions of Boroles. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 11587-11597	4.8	7
168	DFT Studies of Ru-Catalyzed C-H versus C=C Bond Functionalization of Aryl Ethers with Organoboronates. <i>Organometallics</i> , <b>2017</b> , 36, 2354-2363	3.8	14
167	A Computational Way To Achieve More Effective Candidates for Photodynamic Therapy. <i>Journal of Chemical Information and Modeling</i> , <b>2017</b> , 57, 1089-1100	6.1	10
166	Synthesis and Reactivities of Polyhydrido Osmium Arylsilyl Complexes Prepared from OsH <sub>3</sub> Cl(PPh <sub>3</sub> ) <sub>3</sub> . <i>Organometallics</i> , <b>2017</b> , 36, 3729-3738	3.8	3
165	Abnormal Tin-Boron Exchange in the Attempted Synthesis of a Borylated Borole. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 16167-16170	4.8	7
164	Enantioselective Decarboxylative Cyanation Employing Cooperative Photoredox Catalysis and Copper Catalysis. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 15632-15635	16.4	183
163	Reactions of (Cyclopentadienylidenehydrazono)triphenylphosphorane with Chlororuthenium(II) Complexes and Substituent Effect on the Thermodynamic Trend in the Migratory-Insertion Reactions of Chlororuthenium Alkylidene Complexes. <i>Organometallics</i> , <b>2017</b> , 36, 3266-3275	3.8	3
162	Organocatalytic synthesis of chiral tetrasubstituted allenes from racemic propargylic alcohols. <i>Nature Communications</i> , <b>2017</b> , 8, 567	17.4	120
161	Synthesis, Structure and Reactivity of a Borylene Cation [(NHSi)B(CO)] Stabilized by Three Neutral Ligands. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 13680-13683	16.4	56
160	DFT studies on reactions of boroles with carbon monoxide. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 7019-7027	3.9	10
159	Color-Tuning Strategy for Iridapolycycles [(N?N)Ir(C?C)ClPPh <sub>3</sub> ] <sup>+</sup> by the Synergistic Modifications on Both the C?C and N?N Units. <i>Organometallics</i> , <b>2017</b> , 36, 4802-4809	3.8	2
158	A Potassium Diboryllithate: Synthesis, Bonding Properties, and the Deprotonation of Benzene. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 11426-30	16.4	36
157	Synthesis and fluxional behaviour of novel chloroborole dimers. <i>Chemical Communications</i> , <b>2016</b> , 52, 9707-10	5.8	19
156	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> , <b>2016</b> , 35, 2563-2566	3.8	29
155	An [Au] Approach to the Study of Gold Nanoclusters. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 11348-11353	5.1	31

- 154 Alkyne Metathesis Reactions of Rhenium(V) Carbyne Complexes. *Organometallics*, **2016**, 35, 3808-3815 3.8 10
- 153 Conjugated Oligothiophene Derivatives Based on Bithiophene with Unsaturated Bonds as Building Blocks for Solution-Processed Bulk Heterojunction Organic Solar Cells. *Chemistry - an Asian Journal*, **2016**, 11, 3557-3567 4.5 7
- 152 Synthesis and Characterization of Dirhenadehydro[12]annulenes. *Angewandte Chemie - International Edition*, **2016**, 55, 7194-8 16.4 20
- 151 Metal-free borylation of electron-rich aryl (pseudo)halides under continuous-flow photolytic conditions. *Organic Chemistry Frontiers*, **2016**, 3, 875-879 5.2 74
- 150 Synthesis and Characterization of Dirhenadehydro[12]annulenes. *Angewandte Chemie*, **2016**, 128, 7310-7314 3.14 6
- 149 Preparation of Osmium  $\eta^5$ -Allenylcarbene Complexes and Their Uses for the Syntheses of Osmabenzynes Complexes. *Organometallics*, **2016**, 35, 1514-1525 3.8 24
- 148 Probing the Reactivity of the Ce=O Multiple Bond in a Cerium(IV) Oxo Complex. *Inorganic Chemistry*, **2016**, 55, 10003-10012 5.1 27
- 147 Direct and Base-Catalyzed Diboration of Alkynes Using the Unsymmetrical Diborane(4), pinB-BMes<sub>2</sub>. *Journal of the American Chemical Society*, **2016**, 138, 6662-9 16.4 64
- 146 Regioselective and Stereospecific Copper-Catalyzed Deoxygenation of Epoxides to Alkenes. *Organic Letters*, **2016**, 18, 4734-7 6.2 14
- 145 Synthesis of Rhenium Vinylidene and Carbyne Complexes from Reactions of [Re(dppm)<sub>3</sub>]I with Terminal Alkynes and Alkynols. *Organometallics*, **2016**, 35, 3520-3529 3.8 7
- 144 Rearrangement of Metallabenzynes to Chlorocyclopentadienyl Complexes. *Organometallics*, **2015**, 34, 890-896 3.8 23
- 143 Gold(III)-Catalyzed Intramolecular Cyclization of  $\beta$ -Pyrroles to Pyrrolopyridinones and Pyrroloazepinones: A DFT Study. *Organometallics*, **2015**, 34, 3538-3545 3.8 20
- 142 Ruthenium-Catalyzed Deuteration of Alcohols with Deuterium Oxide. *Organometallics*, **2015**, 34, 3686-3698 3.98 36
- 141 Catalytic enantioselective intermolecular desymmetrization of azetidines. *Journal of the American Chemical Society*, **2015**, 137, 5895-8 16.4 49
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24	Synthesis, structures and optical spectroscopy of photoluminescent platinum-linked poly(silylacetylenes). <i>Dalton Transactions RSC</i> , <b>2002</b> , 4587-4594		44
23	Structural and bonding characteristics in transition metal-silane complexes. <i>Chemical Society Reviews</i> , <b>2002</b> , 31, 239-45	58.5	168
22	Ruthenium-Cobalt Mixed-Metal Nitrido and Nitrene Carbonyl Clusters: Structure, Reactivity, and 15N NMR Spectroscopy. <i>European Journal of Inorganic Chemistry</i> , <b>2001</b> , 2001, 1321-1338	2.3	10
21	Synthesis, structures and properties of platinum(II) complexes of oligothiophene-functionalized ferrocenylacetylene. <i>Dalton Transactions RSC</i> , <b>2001</b> , 3250-3260		51
20	Promoting Effect of Water in Ruthenium-Catalyzed Hydrogenation of Carbon Dioxide to Formic Acid. <i>Organometallics</i> , <b>2001</b> , 20, 1216-1222	3.8	95
19	Geometric Features and Electronic Structures of Six-Coordinated Dialkyl and Dithiolate Complexes of Osmium(IV) Porphyrins. <i>Organometallics</i> , <b>2001</b> , 20, 3198-3201	3.8	10
18	Bonding Analysis of Titanocene Borane $\eta^5$ -Complexes. <i>Organometallics</i> , <b>2000</b> , 19, 2625-2628	3.8	23
17	A new approach to the distortion of the tetrahedral geometry at E in the E(ZXY <sub>2</sub> ) <sub>4</sub> compounds. <i>Perkin Transactions II RSC</i> , <b>2000</b> , 2319-2323		4
16	Understanding the Readiness of Silane Dissociation in Transition Metal $\eta^5$ -Silane Complexes Cp(CO) <sub>2</sub> M( $\eta^5$ -H(SiH <sub>3</sub> -n-Cln)] (M = Mn, Tc, and Re; n = 1B). <i>Organometallics</i> , <b>2000</b> , 19, 2051-2054	3.8	24
15	Theoretical Studies of Rotational Barriers of Vinylidene Ligands in the Five-Coordinate Complexes M(X)Cl(CCHR)L <sub>2</sub> (M = Os, Ru; L = Phosphine). <i>Organometallics</i> , <b>2000</b> , 19, 5477-5483	3.8	13
14	Stability of the trans-Bis(H $\eta^5$ Si) Structure in the Complex RuH <sub>2</sub> (PCy <sub>3</sub> ) <sub>2</sub> ( $\eta^5$ -H $\eta^5$ SiMe <sub>2</sub> -o-C <sub>6</sub> H <sub>4</sub> -SiMe <sub>2</sub> $\eta^5$ H), Studied by Density Functional Theory. <i>Organometallics</i> , <b>1999</b> , 18, 286-289	3.8	18
13	Structural Preferences in $\eta^2$ -Alkenyl Transition-Metal Complexes ML <sub>5</sub> ( $\eta^2$ -alkenyl) and MCpL <sub>2</sub> ( $\eta^2$ -alkenyl). <i>Organometallics</i> , <b>1999</b> , 18, 2473-2478	3.8	9
12	Ungewöhnliche Fünf-Zentren-vier-Elektronen-Bindung in einem pentagonal-bipyramidalen Rhodium-Bismut-Komplex. <i>Angewandte Chemie</i> , <b>1998</b> , 110, 1815-1818	3.6	3
11	Unusual Five-Center, Four-Electron Bonding in a Rhodium-Bismuth Complex with Pentagonal-Bipyramidal Geometry. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 1686-1689	16.4	10

10	Competing Metal-Acetylene and Metal-Hydride Interactions in the Complex $\text{Ti}(\text{C}_5\text{H}_5)_2(\text{trans-RC}\equiv\text{CSiH}_2)$ . <i>Organometallics</i> , <b>1997</b> , 16, 494-496	3.8	34
9	PHOSPHORUS-CLUSTER CATIONS PRODUCED BY LASER ABLATION OF RED PHOSPHORUS. <i>Surface Review and Letters</i> , <b>1996</b> , 03, 167-169	1.1	15
8	Two-photon ionization studies of binary aromatic van der Waals clusters: Benzene...chlorobenzene and (chlorobenzene) <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 8843-8851	3.9	14
7	Metal-Silane Interaction in the Novel Pseudooctahedral Silane Complex $\text{cis-Mo(CO)(PH}_3)_4(\text{H}_2\text{SiH}_3)_2$ and Some Related Isomers: An ab Initio Study. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 9915-9921	16.4	39
6	Stereochemistry of Seven-Coordinate Main Group and d0 Transition Metal Molecules. <i>Inorganic Chemistry</i> , <b>1996</b> , 35, 594-603	5.1	26
5	Theoretical study of conjugation, hyperconjugation, and steric effect in B <sub>2</sub> D <sub>4</sub> (D=H, F, OH, NH <sub>2</sub> , and CH <sub>3</sub> ). <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 1046-1051	3.9	32
4	Closed-shell electronic requirements for condensed clusters of the group 11 elements. <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 91-95	5.1	51
3	A structural jellium model of cluster electronic structure. <i>Chemical Physics</i> , <b>1990</b> , 142, 321-334	2.3	42
2	Understanding of Co(I)-Catalyzed Hydrogenation of C=C and C=O Substrates. <i>Topics in Catalysis</i> , 1	2.3	0
1	Rhodium-Catalyzed Regioselective and Chemoselective Deoxygenative Reduction of 1,3-Diketones. <i>ACS Catalysis</i> , 4640-4647	13.1	1