

# Zhenyang Lin

## List of Publications by Year in descending order

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309  
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13,118  
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26405

56  
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32667

101  
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316  
docs citations

316  
times ranked

10324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Examining the stabilising role of metal centre on inter-ligand delocalisation. <i>Journal of Organometallic Chemistry</i> , 2024, 1007, 123028.	1.9	0
2	Boryls, their compounds and reactivity: a structure and bonding perspective. <i>Chemical Science</i> , 2024, 15, 3060-3070.	7.8	4
3	Two-Stage Dynamic Transformation from $\hat{\Gamma}^-$ to $\hat{\Gamma}^\pm$ -CsPbI <sub>3</sub> . <i>Journal of Physical Chemistry Letters</i> , 2024, 15, 2228-2232.	4.9	0
4	A classification scheme for inorganic cluster compounds based on their electronic structures and bonding characteristics. <i>Chinese Journal of Structural Chemistry</i> , 2024, 43, 100254.	1.0	1
5	Avenue to novel <i>o</i> -carboranyl boron compounds – reactivity study of <i>o</i> -carborane-fused aminoborirane towards organic azides. <i>Chemical Science</i> , 2024, 15, 4839-4845.	7.8	4
6	Alumanyl-Samarium(II): Synthesis, Characterization, and Reactivity Studies. <i>Journal of the American Chemical Society</i> , 2024, 146, 7204-7209.	14.6	2
7	Phosphine-Catalyzed 1,2- <i>cis</i> -Diboration of 1,3-Butadiynes. <i>Chemistry - A European Journal</i> , 2024, 30, 3.9		0
8	Cyclization Reactions of 1,5-Diynes: Mechanisms and the Role of the Central Linker. <i>Organic Letters</i> , 2024, 26, 4411-4416.	4.8	0
9	Metallaaromaticity involving a $d^{s+0}$ early transition metal centre: synthesis, structure, and aromaticity of tantalapyridinazirine complexes. <i>Chemical Science</i> , 2024, 15, 7943-7948.	7.8	1
10	Reactivity of a Hexaaryldiboron(6) Dianion as Boryl Radical Anions. <i>Journal of the American Chemical Society</i> , 2024, 146, 17348-17354.	14.6	0
11	Neutral Boryl Radicals in Mixed-Valent B <sup>(III)</sup> B <sup>(II)</sup> Adducts. <i>Chemistry - A European Journal</i> , 2023, 29, .	3.9	3
12	Distance-Triggered Distinct Aryl Migrations on Azidodiboranes. <i>Chemistry - A European Journal</i> , 2023, 29, .	3.9	3
13	Understanding the Reaction Mechanism of Nickel-Catalyzed Enantioselective Arylative Activation of the Aromatic C–O Bond. <i>Organometallics</i> , 2023, 42, 114-122.	2.6	5
14	Understanding the Organometallic Step: SO <sub>2</sub> Insertion into Bi(III)-C(Ph) Bond. <i>Chemistry - an Asian Journal</i> , 2023, 18, .	3.5	3
15	B <sub>2</sub> Butafulvenes and Their Application in the Synthesis of Highly Substituted B <sub>2</sub> Naphthalenes. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.8	3
16	Asymmetric Synthesis of Remotely Chiral Naphthols and Naphthylamines via Naphthoquinone Methides. <i>Journal of the American Chemical Society</i> , 2023, 145, 12802-12811.	14.6	18
17	Incorporating Domain Knowledge and Structure-Based Descriptors for Machine Learning: A Case Study of Pd-Catalyzed Sonogashira Reactions. <i>Molecules</i> , 2023, 28, 4730.	3.9	0
18	Reactions of Tetra( <i>o</i> -tolyl)diborane(4) with Organic Azides: Formation of Fluorescent Boron-Fused Hexazenes. <i>Chemistry - A European Journal</i> , 2023, 29, .	3.9	5

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19	Regio- and enantioselective remote dioxygenation of internal alkenes. <i>Nature Chemistry</i> , 2023, 15, 862-871.	14.3	11
20	Isolable Tetragold(0) Clusters with Polarity-Tunable <i>exo</i> -Au <sup>+</sup> Au Bond via Intramolecular $\pi$ -Aromatization. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.8	0
21	Isolable Tetragold(0) Clusters with Polarity-Tunable <i>exo</i> -Au <sup>+</sup> Au Bond via Intramolecular $\pi$ -Aromatization. <i>Angewandte Chemie</i> , 2023, 135, .	2.1	0
22	Intramolecular Arene C(sp <sup>2</sup> ) <sup>+</sup> H Amidation Enabled by Ferrocenium-Mediated Decomposition of 1,4,2-Dioxazol-5-ones as Amidyl Radical Precursors. <i>ACS Catalysis</i> , 2023, 13, 11389-11398.	11.7	1
23	Asymmetric synthesis of metallacarboranes using a traceless chiral auxiliary. <i>Organic Chemistry Frontiers</i> , 2023, 10, 5965-5970.	4.6	0
24	Site-Selective sp <sup>2</sup> C-H Cyanation of Allenes via Copper-Catalyzed Radical Relay. <i>Journal of the American Chemical Society</i> , 2023, 145, 25995-26002.	14.6	6
25	Understanding of Co(I)-Catalyzed Hydrogenation of C=C and C=O Substrates. <i>Topics in Catalysis</i> , 2022, 65, 472-480.	3.0	3
26	Natural scaffolds-inspired synthesis of CF <sub>3</sub> -substituted macrolides enabled by Rh-catalyzed C-H alkylation macrocyclization. <i>Chinese Chemical Letters</i> , 2022, 33, 2015-2020.	9.1	9
27	Synchronous Occurrence of Advanced Gastric Carcinoma with Retroperitoneal Liposarcoma: A Case Report. <i>American Journal of Case Reports</i> , 2022, 23, e934586.	0.8	0
28	Rhodium-Catalyzed Regioselective and Chemoselective Deoxygenative Reduction of 1,3-Diketones. <i>ACS Catalysis</i> , 2022, 12, 4640-4647.	11.7	8
29	Dewar Metallabenzenes from Reactions of Metallacyclobutadienes with Alkynes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	14.8	11
30	Intersubunit Coupling Enables Fast CO <sub>2</sub> -Fixation by Reductive Carboxylases. <i>ACS Central Science</i> , 2022, 8, 1091-1101.	12.3	12
31	Gauche Effect on 2D Phosphorus Allotropes <sup>TM</sup> Energetics. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8883-8888.	3.3	1
32	Alkene insertion reactivity of a <i>exo</i> -carboranyl-substituted 9-borafluorene. <i>Chemical Science</i> , 2022, 13, 7492-7497.	7.8	12
33	Synthesis of Iminoboryl <i>exo</i> -Carboranes by Lewis Base Promoted Aminoborirane-to-Iminoborane Isomerization. <i>Inorganic Chemistry</i> , 2022, 61, 8879-8886.	4.2	25
34	Reactivity of Unsupported Transition Metal-Aluminyll Complexes: A Nucleophilic TM-Al Bond. <i>Inorganic Chemistry</i> , 2022, 61, 10255-10262.	4.2	5
35	Synthetic and Computational Study of the Enantioselective [3+2]-Cycloaddition of Chromones with MBH Carbonates. <i>Organic Letters</i> , 2022, 24, 5890-5895.	4.8	11
36	Insights into the mechanism and selectivity of the Rh( <i>scp</i> ) <sub>2</sub> -catalyzed cycloisomerization reaction of benzylallene-alkynes involving C-H bond activation. <i>Organic Chemistry Frontiers</i> , 2022, 10, 115-126.	4.6	4

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37	Synthesis, Characterization, and Properties of Three-Dimensional Analogues of 9-Borafluorenes. <i>Inorganic Chemistry</i> , 2022, 61, 18275-18284.	4.2	18
38	Backbone-controlled LUMO energy induces intramolecular C-H activation in <i>ortho</i> -bis-9-borafluorene-substituted phenyl and <i>ortho</i> -carboranyl compounds leading to novel 9,10-diboraanthracene derivatives. <i>Chemical Science</i> , 2022, 13, 14165-14178.	7.8	16
39	Al-Sc Bonded Complexes: Synthesis, Structure, and Reaction with Benzene in the Presence of Alkyl Halide. <i>Journal of the American Chemical Society</i> , 2022, 144, 22662-22668.	14.6	28
40	NiH-catalyzed anti-Markovnikov hydroamidation of unactivated alkenes with 1,4,2-dioxazol-5-ones for the direct synthesis of N-alkyl amides. <i>Communications Chemistry</i> , 2022, 5, .	4.9	9
41	Nucleophilic reactivity of the gold atom in a diarylborylgold( $\sigma$ ) complex toward polar multiple bonds. <i>Chemical Science</i> , 2021, 12, 917-928.	7.8	24
42	Anionic Bisoxazoline Ligands Enable Copper-Catalyzed Asymmetric Radical Azidation of Acrylamides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6997-7001.	14.8	58
43	Selenium-catalyzed intramolecular atom- and redox-economical transformation of <i>ortho</i> -nitrotoluenes into anthranilic acids. <i>Green Chemistry</i> , 2021, 23, 2986-2991.	9.4	20
44	2,2-difluorovinyl benzoates for diverse synthesis of gem-difluoroenol ethers by Ni-catalyzed cross-coupling reactions. <i>Nature Communications</i> , 2021, 12, 412.	13.2	17
45	Understanding the reaction mechanism of gold-catalyzed reactions of 2,1-benzisoxazoles with propiolates andynamides. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3342-3353.	4.6	3
46	Mechanistic study on the reaction of pinB-BMes <sub>2</sub> with alkynes based on experimental investigation and DFT calculations: gradual change of mechanism depending on the substituent. <i>Chemical Science</i> , 2021, 12, 9806-9815.	7.8	7
47	Understanding the insertion reactions of CO <sub>2</sub> , aldehyde and alkene into Cu-X (X = B, C, O) bonds. <i>New Journal of Chemistry</i> , 2021, 45, 15022-15027.	2.7	3
48	Structure and Bonding of Group 14 Clusters: Wade's Rules and Beyond. <i>Structure and Bonding</i> , 2021, , 197-257.	0.0	6
49	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> , 2021, 12, 1304.	13.2	18
50	Anionic Bisoxazoline Ligands Enable Copper-Catalyzed Asymmetric Radical Azidation of Acrylamides. <i>Angewandte Chemie</i> , 2021, 133, 7073-7077.	2.1	7
51	Carbonyl 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> , 2021, 3, 758-763.	8.6	11
52	C-C versus C-H Activation: Understanding How the Carbene $\pi$ -Accepting Ability Controls the Intramolecular Reactivities of Mono(carbene)-Stabilized Borylenes. <i>Organometallics</i> , 2021, 40, 766-775.	2.6	8
53	Beyond the Nucleophilic Role of Metal-Boryl Complexes in Borylation Reactions. <i>ACS Catalysis</i> , 2021, 11, 5061-5068.	11.7	22
54	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> , 2021, 143, 8552-8558.	14.6	46

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55	Mechanistic Insights into Activation of Carbon Monoxide, Carbon Dioxide, and Nitrous Oxide by Acyclic Silylene. <i>Inorganic Chemistry</i> , 2021, 60, 8998-9007.	4.2	6
56	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> , 2021, 398, 67-75.	6.5	12
57	Rethinking Borole Cycloaddition Reactivity. <i>Chemistry - A European Journal</i> , 2021, 27, 11226-11233.	3.9	13
58	Rhodium-Catalyzed Regiodivergent Synthesis of Alkylboronates via Deoxygenative Hydroboration of Aryl Ketones: Mechanism and Origin of Selectivities. <i>ACS Catalysis</i> , 2021, 11, 9495-9505.	11.7	18
59	Enantioselective Rh-Catalyzed Hydroboration of Silyl Enol Ethers. <i>Journal of the American Chemical Society</i> , 2021, 143, 10902-10909.	14.6	34
60	Isomerization of a <i>cis</i> - $\sigma$ -(2-Borylalkenyl)Gold Complex via a Retro- $\sigma$ -Alkylmetalate Shift: Cleavage of a C <sup>+</sup> C/C <sup>+</sup> Si Bond <i>trans</i> to a C <sup>+</sup> Au Bond. <i>Angewandte Chemie</i> , 2021, 133, 21175-21181.	2.1	1
61	Isomerization of a <i>cis</i> - $\sigma$ -(2-Borylalkenyl)Gold Complex via a Retro- $\sigma$ -Alkylmetalate Shift: Cleavage of a C <sup>+</sup> C/C <sup>+</sup> Si Bond <i>trans</i> to a C <sup>+</sup> Au Bond. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21007-21013.	14.8	10
62	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.	14.6	54
63	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> , 2021, 19, 2663-2667.	2.9	5
64	Azavinylidene Complexes from Coupling Reactions of Organonitriles with Phosphines. <i>Organometallics</i> , 2021, 40, 358-369.	2.6	5
65	Reactions of Rhenacyclobutadiene Complexes with Allenes. <i>Organometallics</i> , 2021, 40, 3753-3765.	2.6	5
66	Facile access to halogenated cationic B <sup>+</sup> C-centered organoborons isoelectronic with alkenyl halides. <i>Dalton Transactions</i> , 2021, 50, 17491-17494.	3.4	4
67	Theoretical Studies on Rh-Catalyzed Cycloisomerization of Homopropargylallene-Alkynes through C(sp <sup>3</sup> ) $\sigma$ -C(sp) Bond Activation. <i>ACS Catalysis</i> , 2020, 10, 1828-1837.	11.7	13
68	Modular bonding picture for aromatic borometallic molecular wheels. <i>Theoretical Chemistry Accounts</i> , 2020, 139, 1.	1.5	3
69	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.	14.6	34
70	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.	14.6	44
71	Understanding the Diverse Reactivity of Pentaphenylborole toward Epoxides. <i>Journal of Organic Chemistry</i> , 2020, 85, 14139-14148.	3.3	2
72	1,4-Selective Hydrovinylation of Diene Catalyzed by an Iron Dimine Catalyst: A Computational Case Study on Two-State Reactivity. <i>ACS Catalysis</i> , 2020, 10, 12454-12465.	11.7	22

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73	A Study of the Reactivity of (Aza $\pi$ )-Quinone Methides in Selective C6 $\pi$ -Alkylations of Indoles. <i>ChemCatChem</i> , 2020, 12, 5053-5057.	3.8	12
74	DFT Studies on Copper-Catalyzed Dearomatization of Pyridine. <i>ACS Catalysis</i> , 2020, 10, 9585-9593.	11.7	14
75	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.	14.6	39
76	Ring expansion of aluoles with organic azides: selective formation of six-membered aluminum $\pi$ -nitrogen heterocycles. <i>Chemical Science</i> , 2020, 11, 5559-5564.	7.8	15
77	Halide Effects on the Stability of Osmium Indenylidene Complexes: Isolation, Characterization, and Reactivities. <i>Organometallics</i> , 2020, 39, 2142-2151.	2.6	4
78	Unexpected Electronic Behavior of Organic Azide and $\pi$ -Metal $\pi$ -Carbyne in Their 1, $\pi$ -Dipolar Cycloaddition Reaction. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1565-1570.	6.6	10
79	Superatomic Ligand-Field Splitting in Ligated Gold Nanoclusters. <i>Inorganic Chemistry</i> , 2020, 59, 8864-8870.	4.2	11
80	Enantioselective Copper-Catalyzed Alkynylation of Benzylic C $\pi$ -H Bonds via Radical Relay. <i>Journal of the American Chemical Society</i> , 2020, 142, 12493-12500.	14.6	98
81	Principal interacting orbital: A chemically intuitive method for deciphering bonding interaction. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2020, 10, e1469.	16.9	77
82	Substituent Effect on the Reactions of OsCl <sub>2</sub> (PPh <sub>3</sub> ) <sub>3</sub> with <i>o</i> -Ethylnylphenyl Carbonyl Compounds. <i>Organometallics</i> , 2020, 39, 574-584.	2.6	7
83	Cu(I)-Catalyzed Enantioselective Alkynylation of Thiochromones. <i>Organic Letters</i> , 2020, 22, 1155-1159.	4.8	18
84	Iridium $\pi$ -Catalyzed Enantioselective Hydrogenation of Oxocarbenium Ions: A Case of Ionic Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6108-6114.	14.8	29
85	Principal interacting spin orbital: understanding the fragment interactions in open-shell systems. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 10076-10086.	2.9	30
86	Comparative out-of-hospital mortality of long-acting opioids prescribed for non-cancer pain: A retrospective cohort study. <i>Pharmacoepidemiology and Drug Safety</i> , 2019, 28, 48-53.	1.9	5
87	4-Coordinated, 14-electron ruthenium( $\pi$ ) chalcogenolate complexes: synthesis, electronic structure and reactions with PhICl <sub>2</sub> and organic azides. <i>Dalton Transactions</i> , 2019, 48, 13315-13325.	3.4	4
88	Organocatalytic Enantioselective Functionalization of Unactivated Indole C(sp <sup>3</sup> ) $\pi$ -H Bonds. <i>Angewandte Chemie</i> , 2019, 131, 16063-16068.	2.1	5
89	Organocatalytic Enantioselective Functionalization of Unactivated Indole C(sp <sup>3</sup> ) $\pi$ -H Bonds. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15916-15921.	14.8	18
90	Hydroalkynylation of Enamides Using Iridium or Rhodium Complexes: DFT Study on the Mechanism and Regioselectivity. <i>Organometallics</i> , 2019, 38, 2998-3006.	2.6	17

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91	DFT Studies on Metal-Controlled Regioselective Amination of <i>N</i> -Acylpyrazoles with Azodicarboxylates. <i>Journal of Organic Chemistry</i> , 2019, 84, 12399-12407.	3.3	8
92	Inter-ligand delocalisations in transition metal complexes containing multiple non-innocent ligands. <i>Dalton Transactions</i> , 2019, 48, 14801-14807.	3.4	7
93	Revitalizing Spin Natural Orbital Analysis: Electronic Structures of Mixed-Valence Compounds, Singlet Biradicals, and Antiferromagnetically Coupled Systems. <i>Journal of Computational Chemistry</i> , 2019, 40, 1172-1184.	3.5	10
94	Access to Metal-Bridged Osmathiazine Derivatives by a Formal [4+2] Cyclization. <i>Chemistry - A European Journal</i> , 2019, 25, 5077-5085.	3.9	4
95	Substituent Effects on Reactions of [RhCl(COD)] <sub>2</sub> with Diazoalkanes. <i>Organometallics</i> , 2019, 38, 905-915.	2.6	9
96	Successive modification of polydentate complexes gives access to planar carbon- and nitrogen-based ligands. <i>Nature Communications</i> , 2019, 10, 1488.	13.2	18
97	Effects of Tea-Polysaccharide Conjugates and Metal Ions on Precipitate Formation by Epigallocatechin Gallate and Caffeine, the Key Components of Green Tea Infusion. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3744-3751.	5.3	38
98	Remote Bonding in Clusters [Pd <sub>3</sub> Ge <sub>18</sub> R <sub>6</sub> ] <sup>2+</sup> : Modular Bonding Model for Large Clusters via Principal Interacting Orbital Analysis. <i>Inorganic Chemistry</i> , 2019, 58, 3473-3478.	4.2	8
99	Synthesis, structure and DFT calculations of mononuclear cyclic (alkyl)(amino) carbene supported titanium(II) complexes. <i>Dalton Transactions</i> , 2019, 48, 14962-14965.	3.4	10
100	Site-specific allylic C-H bond functionalization with a copper-bound N-centred radical. <i>Nature</i> , 2019, 574, 516-521.	36.2	207
101	DFT Studies on the Mechanism of Copper-Catalyzed Boracarboxylation of Alkene with CO <sub>2</sub> and Diboron. <i>Organometallics</i> , 2019, 38, 240-247.	2.6	38
102	Reactivity of Highly Lewis-Acidic Diborane(4) toward C <sub>60</sub> N and N=N Bonds: Uncatalyzed Addition and N=N Bond-Cleavage Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 317-321.	14.8	41
103	Reactivity of Highly Lewis-Acidic Diborane(4) toward C <sub>60</sub> N and N=N Bonds: Uncatalyzed Addition and N=N Bond-Cleavage Reactions. <i>Angewandte Chemie</i> , 2019, 131, 323-327.	2.1	22
104	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.	14.8	42
105	Reaction of B <sub>2</sub> ( <i>o</i> -tol) <sub>4</sub> with CO and Isocyanides: Cleavage of the C <sub>60</sub> O Triple Bond and Direct C-H Borylations. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6109-6114.	14.8	54
106	DFT Studies on the Reactions of Boroles with Alkynes. <i>Chemistry - A European Journal</i> , 2018, 24, 9612-9621.	3.9	25
107	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.	14.8	45
108	Mechanistic studies on the palladium-catalyzed cross-dehydrogenative coupling of 4-phenoxy-2-coumarins: experimental and computational insights. <i>Dalton Transactions</i> , 2018, 47, 6049-6053.	3.4	7

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109	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> , 2018, 57, 7140-7145.	14.8	155
110	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> , 2018, 130, 7258-7263.	2.1	107
111	Transition-Metal-Like Behavior of Monovalent Boron Compounds: Reduction, Migration, and Complete Cleavage of CO at a Boron Center. <i>Angewandte Chemie</i> , 2018, 130, 8844-8849.	2.1	17
112	Theoretical Studies on Pd(II)-Catalyzed meta-Selective C-H Bond Arylation of Arenes. <i>ACS Catalysis</i> , 2018, 8, 2498-2507.	11.7	17
113	Syntheses of Re(V) Alkylidyne Complexes and Ligand Effect on the Reactivity of Re(V) Alkylidyne Complexes toward Alkynes. <i>Organometallics</i> , 2018, 37, 559-569.	2.6	19
114	Isolation and enantioselectivity of the B-chiral bis(salicylato)borate anions [B <sub>2</sub> (Sal) <sub>2</sub> ] and [B <sub>2</sub> (Sal) <sub>2</sub> ]. <i>RSC Advances</i> , 2018, 8, 1451-1460.	3.7	8
115	Theoretical investigations on the unsymmetrical effect of $\sigma$ -link Zn-porphyrin sensitizers on the performance for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3741-3751.	2.9	25
116	Reaction of B <sub>2</sub> ( <i>o</i> -tol) <sub>4</sub> with CO and Isocyanides: Cleavage of the B <sub>2</sub> O Triple Bond and Direct C-H Borylations. <i>Angewandte Chemie</i> , 2018, 130, 6217-6222.	2.1	27
117	Unravelling Chemical Interactions with Principal Interacting Orbital Analysis. <i>Chemistry - A European Journal</i> , 2018, 24, 9639-9650.	3.9	143
118	Syntheses and Structures of Ruthenium Complexes Containing a Ru <sup>II</sup> -Three-Center <sup>II</sup> -Two-Electron Bond. <i>Angewandte Chemie</i> , 2018, 130, 13056-13061.	2.1	1
119	A chiral spiroborate anion from diphenyl- <i>l</i> -tartramide [B( <i>l</i> -Tar(NHPh)) <sub>2</sub> ] <sup>2-</sup> applied to some challenging resolutions. <i>CrystEngComm</i> , 2018, 20, 4831-4848.	2.4	6
120	Syntheses and Structures of Ruthenium Complexes Containing a Ru <sup>II</sup> -Three-Center <sup>II</sup> -Two-Electron Bond. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12874-12879.	14.8	8
121	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.	3.3	55
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