Hong Zhang

List of Publications by Year
in descending order

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61	1,784	279798	289244
papers	citations	23 h-index	40 g-index

63	63	63	683
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carbolong Chemistry: Planar CCCCX-Type (Xâ€‰=â€‰N, O, S) Pentadentate Chelates by Formal [3+1] Cycloadditions of Metalla-Azirines with Terminal Alkynes. CCS Chemistry, 2021, 3, 758-763.	7.8	11
2	Computational Exploration of the Mechanism of Critical Steps in the Biomimetic Synthesis of Preuisolactone A, and Discovery of New Ambimodal (5 + 2)/(4 + 2) Cycloadditions. Journal of the American Chemical Society, 2021, 143, 6601-6608.	13.7	19
3	Ambimodal Transition States in Dielsâ^'Alder Cycloadditions of Tropolone and Tropolonate with Nâ€Methylmaleimide. Angewandte Chemie, 2021, 133, 25195.	2.0	2
4	Ambimodal Transition States in Dielsâ€“Alder Cycloadditions of Tropolone and Tropolonate with Nâ€Methylmaleimide**. Angewandte Chemie - International Edition, 2021, 60, 24991-24996.	13.8	8
5	Electrophilic aromatic substitution reactions of compounds with Craig-MÃ¶bius aromaticity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
6	Extension of the Simmonsâ€“Smith reaction to metal-carbynes: efficient synthesis of metallacyclopropenes with Ï*f*-aromaticity. Chemical Science, 2020, 11, 10159-10166.	7.4	19
7	Stereoselective [4+2]â€Cycloaddition with Chiral Alkenylboranes. Angewandte Chemie, 2020, 132, 11529-11536.	2.0	7
8	[3+2] cycloaddition reaction of metallacyclopropene with nitrosonium ion: isolation of aromatic metallaisoxazole. Chemical Communications, 2020, 56, 6806-6809.	4.1	9
9	Unexpected Electronic Behavior of Organic Azide and <scp>Metalâ€Carbyne</scp> in Their 1,<scp>3â€Dipolar</scp> Cycloaddition Reaction. Chinese Journal of Chemistry, 2020, 38, 1565-1570.	4.9	10
10	The First <scp>OCCCO</scp> Pentadentate Chelates: Osmium Mediated Stepwise Oxidations of Terminal Alkynes by Pyridine <scp>Nâ€Oxide</scp>. Chinese Journal of Chemistry, 2020, 38, 1273-1279.	4.9	10
11	Access to tetracyclic aromatics with bridgehead metals via metalla-click reactions. Science Advances, 2020, 6, eaay2535.	10.3	19
12	Reactions of Metallacyclopentadiene with Terminal Alkynes: Isolation and Characterization of Metallafulvenallene Complexes. Organometallics, 2019, 38, 3053-3059.	2.3	13
13	Rhodapentalenes: Pincer Complexes with Internal Aromaticity. IScience, 2019, 19, 1214-1224.	4.1	13
14	Access to Metalâ€Bridged Osmathiazine Derivatives by a Formal [4+2] Cyclization. Chemistry - A European Journal, 2019, 25, 5077-5085.	3.3	4
15	Formal [2 + 2 + 2] Cycloaddition Reaction of a Metalâ€“Carbyne Complex with Nitriles: Synthesis of a Metallapyrazine Complex. Organometallics, 2019, 38, 2264-2271.	2.3	7
16	Successive modification of polydentate complexes gives access to planar carbon- and nitrogen-based ligands. Nature Communications, 2019, 10, 1488.	12.8	17
17	Reactions of Metalâ€“Carbon Bonds within Sixâ€Membered Metallaaromatic Rings. Chemistry - A European Journal, 2018, 24, 8962-8973.	3.3	21
18	A missing member of conjugated N-heterocycles: realizing pyrido[1,2-Î±]azepine by reacting ruthenium alkenylcarbene complex with alkyne. Chemical Communications, 2018, 54, 4009-4012.	4.1	10

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19	Alternation of Metalâ€Bridged Metallacycle Skeletons: From Ruthenapentalyne to Ruthenapentalene and Ruthenaindene Derivative. Chinese Journal of Chemistry, 2018, 36, 1156-1160.	4.9	12
20	Reactions of Cyclic Osmacarbyne with Coinage Metal Complexes. Organometallics, 2018, 37, 1788-1794.	2.3	19
21	Frontispiece: Reactions of Metal-Carbon Bonds within Six-Membered Metallaaromatic Rings. Chemistry - A European Journal, 2018, 24, .	3.3	0
22	Constraint of a ruthenium-carbon triple bond to a five-membered ring. Science Advances, 2018, 4, eaat0336.	10.3	38
23	History and Development. Chinese Journal of Organic Chemistry, 2018, 38, 11.	1.3	28
24	Reactions of Isocyanides with Metal Carbyne Complexes: Isolation and Characterization of Metallacyclopropenimine Intermediates. Journal of the American Chemical Society, 2017, 139, 1822-1825.	13.7	57
25	Synthesis of Imidazopyridinium-Fused Metallacycloallene via One-Pot Reaction of Î·²-Alkynol-Coordinated Osmacycle with 2-Aminopyridine. Organometallics, 2017, 36, 4184-4190.	2.3	6
26	Multiyne chains chelating osmium via three metal-carbon Ïƒ bonds. Nature Communications, 2017, 8, 1912.	12.8	51
27	Color-Tuning Strategy for Iridapolycycles [(N^{â^§}N)Ir(C^{â^§}C)ClPPh₃]⁺ by the Synergistic Modifications on Both the C^{â^§}C and N^{â^§}N Units. Organometallics, 2017, 36, 4802-4809.	2.3	3
28	Synthesis of Cyclic Vinylidene Complexes and Azavinylidene Complexes by Formal [4+2] Cyclization Reactions. Chemistry - A European Journal, 2016, 22, 5363-5375.	3.3	19
29	Synthesis of Fused Metallaaromatics via Intramolecular Câ€“H Activation of Thiophenes. Organometallics, 2016, 35, 1497-1504.	2.3	31
30	Synthesis of aromatic ruthenabenzothiophenes via Câ€“H activation of thiophenes. Dalton Transactions, 2016, 45, 913-917.	3.3	18
31	Halogenation of carbyne complexes: isolation of unsaturated metallaiodirenium ion and metallabromirenium ion. Chemical Science, 2016, 7, 1815-1818.	7.4	45
32	Reactions of Osmabenzene with Silver/Copper Acetylides: From Metallabenzene to Benzene. Chemistry - A European Journal, 2015, 21, 565-567.	3.3	24
33	Reactions of osmapyridinium with terminal alkynes. Organic Chemistry Frontiers, 2015, 2, 560-568.	4.5	12
34	Reactions of Osmium Hydrido Alkenylcarbyne with Allenoates: Insertion and [3 + 2] Annulation. Organometallics, 2015, 34, 1742-1750.	2.3	17
35	Synthesis of Five-Membered Osmacycles with Osmiumâ€“Vinyl Bonds from Hydrido Alkenylcarbyne Complexes. Organometallics, 2015, 34, 340-347.	2.3	22
36	Synthesis, Structure, and Reactivity of an Osmacyclopentene Complex. Organometallics, 2014, 33, 5301-5307.	2.3	19

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37	Interconversion between Ruthenacyclohexadiene and Ruthenabenzene: A Combined Experimental and Theoretical Study. Organometallics, 2014, 33, 5606-5609.	2.3	16
38	mâ€Metallaphenol: Synthesis and Reactivity Studies. Chemistry - A European Journal, 2014, 20, 4176-4176.	3.3	6
39	mâ€Metallaphenol: Synthesis and Reactivity Studies. Chemistry - A European Journal, 2014, 20, 4363-4372.	3.3	33
40	DFT studies on the mechanisms of palladium-catalyzed intramolecular arylation of a silyl C(sp3)â€“H bond. New Journal of Chemistry, 2013, 37, 2856.	2.8	20
41	DFT Studies on the Palladium-Catalyzed Dearomatization Reaction between Chloromethylnaphthalene and the Cyclic Amine Morpholine. Organometallics, 2013, 32, 2336-2343.	2.3	33
42	Mechanistic Study of Indolizine Heterocycle Formation by Ruthenium(II)-Assisted Three-Component Cross-Coupling/Cyclization. Organometallics, 2013, 32, 3738-3743.	2.3	23
43	Conversion of a Hydridoâ€“Butenylcarbyne Complex to Î·2-Allene-Coordinated Complexes and Metallabenzenes. Organometallics, 2013, 32, 3993-4001.	2.3	37
44	Synthesis of Fiveâ€Membered Osmacycloallenes and Conversion into Sixâ€Membered Osmacycloallenes. Angewandte Chemie - International Edition, 2013, 52, 13361-13364.	13.8	22
45	Key Intermediates of Iodineâ€Mediated Electrophilic Cyclization: Isolation and Characterization in an Osmabenzene System. Angewandte Chemie - International Edition, 2013, 52, 9251-9255.	13.8	56
46	cineâ€Substitution Reactions of Metallabenzenes: An Experimental and Computational Study. Chemistry - A European Journal, 2013, 19, 10982-10991.	3.3	42
47	Synthesis and Characterization of a Metallapyridyne Complex. Angewandte Chemie - International Edition, 2012, 51, 9838-9841.	13.8	71
48	Interconversion of Metallabenzenes and Cyclic Î·²â€Alleneâ€Coordinated Complexes. Chemistry - an Asian Journal, 2012, 7, 1915-1924.	3.3	23
49	pHâ€Switchable Inversion of the Metalâ€Centered Chirality of Metallabenzenes: Opposite Stereodynamics in Reactions of Ruthenabenzene with <scp>L</scp>â€•and <scp>D</scp>â€Cysteine. Chemistry - A European Journal, 2011, 17, 2420-2427.	3.3	78
50	New Highly Stable Metallabenzenes via Nucleophilic Aromatic Substitution Reaction. Chemistry - A European Journal, 2011, 17, 4223-4231.	3.3	59
51	Synthesis and characterization of stable osmafuran starting from HCâ‰¡CCH(OH)Câ‰¡CH and OsHCl(CO)(PPh3)3. Science China Chemistry, 2010, 53, 1978-1981.	8.2	11
52	Nucleophilic Aromatic Addition Reactions of the Metallabenzenes and Metallapyridinium: Attacking Aromatic Metallacycles with Bis(diphenylphosphino)methane to Form Metallacyclohexadienes and Cyclic Î·²â€Alleneâ€Coordinated Complexes. Chemistry - A European Journal, 2010, 16, 6999-7007.	3.3	42
53	Synthesis, Characterization and Electrochemical Properties of Stable Osmabenzenes Containing PPh₃ Substituents. Chemistry - A European Journal, 2009, 15, 3546-3559.	3.3	60
54	Annulation of Metallabenzenes: From Osmabenzene to Osmabenzothiazole to Osmabenzoxazole. Angewandte Chemie - International Edition, 2009, 48, 6453-6456.	13.8	62

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55	Synthesis and Characterization of a Novel Dialdehyde and Cyclic Anhydride. Journal of Organic Chemistry, 2008, 73, 2883-2885.	3.2	30
56	Synthesis and Characterization of an Air-Stable p-Osmaphenol. Organometallics, 2008, 27, 309-311.	2.3	35
57	Formation of Four Conjugated Osmacyclic Species in a One-Pot Reaction. Organometallics, 2008, 27, 2584-2589.	2.3	64
58	Synthesis and Characterization of Stable Ruthenabenzenes Starting from HCâ‹®CCH(OH)Câ‹®CH. Organometallics, 2007, 26, 2705-2713.	2.3	84
59	Synthesis and characterization of a bimetallic iridium complex with a ten sp2-carbon chain bridge. Dalton Transactions, 2007, , 4122.	3.3	11
60	Synthesis and Characterization of Stable Ruthenabenzenes. Angewandte Chemie - International Edition, 2006, 45, 2920-2923.	13.8	95
61	Osmabenzenes from the Reactions of HCâ‰¡CCH(OH)Câ‰¡CH with OsX2(PPh3)3 (X = Cl, Br). Journal of the American Chemical Society, 2004, 126, 6862-6863.	13.7	129