

Hong Zhang

List of Publications by Year in descending order

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61
papers

1,784
citations

279798

23
h-index

289244

40
g-index

63
all docs

63
docs citations

63
times ranked

683
citing authors

#	ARTICLE	IF	CITATIONS
1	Osmabenzenes from the Reactions of $\text{HC}\equiv\text{CCH}(\text{OH})\text{CH}$ with $\text{OsX}_2(\text{PPh}_3)_3$ ($\text{X} = \text{Cl}, \text{Br}$). <i>Journal of the American Chemical Society</i> , 2004, 126, 6862-6863.	13.7	129
2	Synthesis and Characterization of Stable Ruthenabenzenes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2920-2923.	13.8	95
3	Synthesis and Characterization of Stable Ruthenabenzenes Starting from $\text{HC}\equiv\text{CCH}(\text{OH})\text{CH}$. <i>Organometallics</i> , 2007, 26, 2705-2713.	2.3	84
4	Switchable Inversion of the Metal-Centered Chirality of Metallabenzenes: Opposite Stereodynamics in Reactions of Ruthenabenzene with L - and D -Cysteine. <i>Chemistry - A European Journal</i> , 2011, 17, 2420-2427.	3.3	78
5	Synthesis and Characterization of a Metallapyridyne Complex. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9838-9841.	13.8	71
6	Formation of Four Conjugated Osmacyclic Species in a One-Pot Reaction. <i>Organometallics</i> , 2008, 27, 2584-2589.	2.3	64
7	Annulation of Metallabenzenes: From Osmabenzene to Osmabenzothiazole to Osmabenzoxazole. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6453-6456.	13.8	62
8	Synthesis, Characterization and Electrochemical Properties of Stable Osmabenzenes Containing PPh_3 Substituents. <i>Chemistry - A European Journal</i> , 2009, 15, 3546-3559.	3.3	60
9	New Highly Stable Metallabenzenes via Nucleophilic Aromatic Substitution Reaction. <i>Chemistry - A European Journal</i> , 2011, 17, 4223-4231.	3.3	59
10	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.	13.7	57
11	Key Intermediates of Iodine-Mediated Electrophilic Cyclization: Isolation and Characterization in an Osmabenzene System. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9251-9255.	13.8	56
12	Multityne chains chelating osmium via three metal-carbon σ bonds. <i>Nature Communications</i> , 2017, 8, 1912.	12.8	51
13	Halogenation of carbyne complexes: isolation of unsaturated metallaiodirenium ion and metallabromirenium ion. <i>Chemical Science</i> , 2016, 7, 1815-1818.	7.4	45
14	Nucleophilic Aromatic Addition Reactions of the Metallabenzenes and Metallapyridinium: Attacking Aromatic Metallacycles with Bis(diphenylphosphino)methane to Form Metallacyclohexadienes and Cyclic η^2 -Allene-Coordinated Complexes. <i>Chemistry - A European Journal</i> , 2010, 16, 6999-7007.	3.3	42
15	C -Substitution Reactions of Metallabenzenes: An Experimental and Computational Study. <i>Chemistry - A European Journal</i> , 2013, 19, 10982-10991.	3.3	42
16	Constraint of a ruthenium-carbon triple bond to a five-membered ring. <i>Science Advances</i> , 2018, 4, eaat0336.	10.3	38
17	Conversion of a Hydrido-Butenylcarbyne Complex to η^2 -Allene-Coordinated Complexes and Metallabenzenes. <i>Organometallics</i> , 2013, 32, 3993-4001.	2.3	37
18	Synthesis and Characterization of an Air-Stable p-Osmaphenol. <i>Organometallics</i> , 2008, 27, 309-311.	2.3	35

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19	DFT Studies on the Palladium-Catalyzed Dearomatization Reaction between Chloromethylnaphthalene and the Cyclic Amine Morpholine. <i>Organometallics</i> , 2013, 32, 2336-2343.	2.3	33
20	<i>Metallaphenol: Synthesis and Reactivity Studies</i> . <i>Chemistry - A European Journal</i> , 2014, 20, 4363-4372.	3.3	33
21	Synthesis of Fused Metallaaromatics via Intramolecular C-H Activation of Thiophenes. <i>Organometallics</i> , 2016, 35, 1497-1504.	2.3	31
22	Synthesis and Characterization of a Novel Dialdehyde and Cyclic Anhydride. <i>Journal of Organic Chemistry</i> , 2008, 73, 2883-2885.	3.2	30
23	History and Development. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 11.	1.3	28
24	Reactions of Osmabenzene with Silver/Copper Acetylides: From Metallabenzene to Benzene. <i>Chemistry - A European Journal</i> , 2015, 21, 565-567.	3.3	24
25	Interconversion of Metallabenzenes and Cyclic η^2 -Allene-Coordinated Complexes. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1915-1924.	3.3	23
26	Mechanistic Study of Indolizine Heterocycle Formation by Ruthenium(II)-Assisted Three-Component Cross-Coupling Cyclization. <i>Organometallics</i> , 2013, 32, 3738-3743.	2.3	23
27	Synthesis of Five-Membered Osmacycloallenes and Conversion into Six-Membered Osmacycloallenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13361-13364.	13.8	22
28	Synthesis of Five-Membered Osmacycles with Osmium-Vinyl Bonds from Hydrido Alkenylcarbyne Complexes. <i>Organometallics</i> , 2015, 34, 340-347.	2.3	22
29	Reactions of Metal-Carbon Bonds within Six-Membered Metallaaromatic Rings. <i>Chemistry - A European Journal</i> , 2018, 24, 8962-8973.	3.3	21
30	DFT studies on the mechanisms of palladium-catalyzed intramolecular arylation of a silyl C(sp ³)-H bond. <i>New Journal of Chemistry</i> , 2013, 37, 2856.	2.8	20
31	Synthesis, Structure, and Reactivity of an Osmacyclopentene Complex. <i>Organometallics</i> , 2014, 33, 5301-5307.	2.3	19
32	Synthesis of Cyclic Vinylidene Complexes and Azavinylidene Complexes by Formal [4+2] Cyclization Reactions. <i>Chemistry - A European Journal</i> , 2016, 22, 5363-5375.	3.3	19
33	Reactions of Cyclic Osmacarbyne with Coinage Metal Complexes. <i>Organometallics</i> , 2018, 37, 1788-1794.	2.3	19
34	Extension of the Simmons-Smith reaction to metal-carbynes: efficient synthesis of metallacycloprenes with η^6 -aromaticity. <i>Chemical Science</i> , 2020, 11, 10159-10166.	7.4	19
35	Access to tetracyclic aromatics with bridgehead metals via metalla-click reactions. <i>Science Advances</i> , 2020, 6, eaay2535.	10.3	19
36	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. <i>Journal of the American Chemical Society</i> , 2021, 143, 6601-6608.	13.7	19

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37	Synthesis of aromatic ruthenabenzothiophenes via C-H activation of thiophenes. Dalton Transactions, 2016, 45, 913-917.	3.3	18
38	Reactions of Osmium Hydrido Alkenylcarbyne with Allenates: Insertion and [3 + 2] Annulation. Organometallics, 2015, 34, 1742-1750.	2.3	17
39	Successive modification of polydentate complexes gives access to planar carbon- and nitrogen-based ligands. Nature Communications, 2019, 10, 1488.	12.8	17
40	Interconversion between Ruthenacyclohexadiene and Ruthenabenzene: A Combined Experimental and Theoretical Study. Organometallics, 2014, 33, 5606-5609.	2.3	16
41	Electrophilic aromatic substitution reactions of compounds with Craig-Möbius aromaticity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
42	Reactions of Metallacyclopentadiene with Terminal Alkynes: Isolation and Characterization of Metallafulvenallene Complexes. Organometallics, 2019, 38, 3053-3059.	2.3	13
43	Rhodapentalenes: Pincer Complexes with Internal Aromaticity. IScience, 2019, 19, 1214-1224.	4.1	13
44	Reactions of osmapyridinium with terminal alkynes. Organic Chemistry Frontiers, 2015, 2, 560-568.	4.5	12
45	Alternation of Metal-Bridged Metallacycle Skeletons: From Ruthenapentalene to Ruthenapentalene and Ruthenaindene Derivative. Chinese Journal of Chemistry, 2018, 36, 1156-1160.	4.9	12
46	Synthesis and characterization of a bimetallic iridium complex with a ten sp ² -carbon chain bridge. Dalton Transactions, 2007, , 4122.	3.3	11
47	Synthesis and characterization of stable osmafuran starting from HC≡CCH(OH)CH and OsHCl(CO)(PPh ₃) ₃ . Science China Chemistry, 2010, 53, 1978-1981.	8.2	11
48	Carbonyl Chemistry: Planar CCCCX-Type (X = 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
49	A missing member of conjugated N-heterocycles: realizing pyrido[1,2- <i>b</i>]azepine by reacting ruthenium alkenylcarbene complex with alkyne. Chemical Communications, 2018, 54, 4009-4012.	4.1	10
50	Unexpected Electronic Behavior of Organic Azide and Metal-Carbyne in Their 1,3-Dipolar Cycloaddition Reaction. Chinese Journal of Chemistry, 2020, 38, 1565-1570.	4.9	10
51	The First OCCCCO Pentadentate Chelates: Osmium Mediated Stepwise Oxidations of Terminal Alkynes by Pyridine N-Oxide. Chinese Journal of Chemistry, 2020, 38, 1273-1279.	4.9	10
52	[3+2] cycloaddition reaction of metallacyclopropene with nitrosonium ion: isolation of aromatic metallaisoxazole. Chemical Communications, 2020, 56, 6806-6809.	4.1	9
53	Ambimodal Transition States in Diels-Alder Cycloadditions of Tropolone and Tropolonate with N-Methylmaleimide**. Angewandte Chemie - International Edition, 2021, 60, 24991-24996.	13.8	8
54	Formal [2 + 2 + 2] Cycloaddition Reaction of a Metal-Carbyne Complex with Nitriles: Synthesis of a Metallapyrazine Complex. Organometallics, 2019, 38, 2264-2271.	2.3	7

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55	Stereoselective [4+2] Cycloaddition with Chiral Alkenylboranes. <i>Angewandte Chemie</i> , 2020, 132, 11529-11536.	2.0	7
56	Metallaphenol: Synthesis and Reactivity Studies. <i>Chemistry - A European Journal</i> , 2014, 20, 4176-4176.	3.3	6
57	Synthesis of Imidazopyridinium-Fused Metallacycloallene via One-Pot Reaction of Ir^{II} -Alkynol-Coordinated Osmacycle with 2-Aminopyridine. <i>Organometallics</i> , 2017, 36, 4184-4190.	2.3	6
58	Access to Metal-Bridged Osmathiazine Derivatives by a Formal [4+2] Cyclization. <i>Chemistry - A European Journal</i> , 2019, 25, 5077-5085.	3.3	4
59	Color-Tuning Strategy for Iridapolycycles $[(\text{N}^{\text{S}})\text{Ir}(\text{C}^{\text{S}})\text{CIPPh}_3]^+$ by the Synergistic Modifications on Both the C^{S} and N^{S} Units. <i>Organometallics</i> , 2017, 36, 4802-4809.	2.3	3
60	Ambimodal Transition States in Diels-Alder Cycloadditions of Tropolone and Tropolonate with N^{S} -Methylmaleimide. <i>Angewandte Chemie</i> , 2021, 133, 25195.	2.0	2
61	Frontispiece: Reactions of Metal-Carbon Bonds within Six-Membered Metallaaromatic Rings. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0