

Guochen Jia

List of Publications by Year in descending order

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186265

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79
all docs

79
docs citations

79
times ranked

1334
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent development in the chemistry of transition metal-containing metallabenzynes and metallabenzynes. <i>Coordination Chemistry Reviews</i> , 2013, 257, 2491-2521.	18.8	180
2	Progress in the Chemistry of Metallabenzynes. <i>Accounts of Chemical Research</i> , 2004, 37, 479-486.	15.6	154
3	Single Crystal Neutron Diffraction Study of the Complex [Ru(H.cntdot...cntdot..cntdot.H)(C5Me5)(dppm)]BF4 which Contains an Elongated Dihydrogen Ligand. <i>Journal of the American Chemical Society</i> , 1994, 116, 7677-7681.	13.7	112
4	Synthesis and Characterization of Rhenabenzynes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2759-2762.	13.8	101
5	A Metallanaphthalene Complex from Zinc Reduction of a Vinylcarbyne Complex. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9065-9068.	13.8	97
6	Insertion reactions of allenes with transition metal complexes. <i>Coordination Chemistry Reviews</i> , 2009, 253, 423-448.	18.8	92
7	Theoretical Investigation of Alkyne Metathesis Catalyzed by W/Mo Alkylidyne Complexes. <i>Organometallics</i> , 2006, 25, 1812-1819.	2.3	81
8	Understanding Nonplanarity in Metallabenzene Complexes. <i>Organometallics</i> , 2007, 26, 1986-1995.	2.3	81
9	Synthesis and Characterization of a Rhenabenzene Complex. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10675-10678.	13.8	74
10	Ruthenium-Promoted Z-Selective Head-to-Head Dimerization of Terminal Alkynes in Organic and Aqueous Media. <i>Organometallics</i> , 2005, 24, 4330-4332.	2.3	70
11	Hydrogen/Deuterium Exchange Reactions of Olefins with Deuterium Oxide Mediated by the Carbonylchlorohydrido- ϵ -tris(triphenylphosphine)ruthenium(II) Complex. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1512-1522.	4.3	66
12	Conversion of Metallabenzynes into Carbene Complexes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7295-7299.	13.8	56
13	Synthesis of Rhenabenzynes from the Reactions of Rhenacyclobutadienes with Ethoxyethyne. <i>Chemistry - A European Journal</i> , 2014, 20, 14885-14899.	3.3	51
14	Vinylidene, Allenylidene, and Carbyne Complexes from the Reactions of [OsCl ₂ (PPh ₃) ₃] with HC \equiv CC(OH)Ph ₂ . <i>Organometallics</i> , 2003, 22, 5217-5225.	2.3	50
15	Metal π -Silane Interaction in the Novel Pseudooctahedral Silane Complex cis-Mo(CO)(PH ₃) ₄ (H π -SiH ₃) and Some Related Isomers: An ab Initio Study. <i>Journal of the American Chemical Society</i> , 1996, 118, 9915-9921.	13.7	45
16	Insertion Reactions of Allenes with Palladium Aryl Complexes [PdI(Ph)(PPh ₃) ₂] and PdI(Ph)(dppe). <i>Organometallics</i> , 2008, 27, 2614-2626.	2.3	38
17	Theoretical Studies on the Stabilities of Metallabenzynes. <i>Organometallics</i> , 2003, 22, 3898-3904.	2.3	37
18	Synthesis and Characterization of Rhenabenzene Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 14128-14139.	3.3	36

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19	Carboxyl-Functionalized TEMPO Catholyte Enabling High-Cycling-Stability and High-Energy-Density Aqueous Organic Redox Flow Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6258-6265.	6.7	36
20	Chemistry of rhenium carbyne complexes. <i>Coordination Chemistry Reviews</i> , 2013, 257, 666-701.	18.8	34
21	Robust Alkyne Metathesis Catalyzed by Air Stable d^{2+} Re(V) Alkylidyne Complexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 13339-13344.	13.7	33
22	Cost-Effective, High-Energy-Density, Nonaqueous Nitrobenzene Organic Redox Flow Battery. <i>Chemistry of Materials</i> , 2021, 33, 978-986.	6.7	33
23	Ligand Effect on the Insertion Reactions of Allenes with $MHCl(CO)(PPh_3)_3$ and $MHCl(PPh_3)_3$ ($M = Ru, Os$). <i>Journal of Organometallic Chemistry</i> , 2007, 684, 1-14.	2.3	32
24	Theoretical study on the rearrangement of metallabenzynes to cyclopentadienyl complexes. <i>Dalton Transactions</i> , 2011, 40, 11315.	3.3	32
25	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.	2.3	30
26	Rearrangement of Metallabenzynes to Chlorocyclopentadienyl Complexes. <i>Organometallics</i> , 2015, 34, 890-896.	2.3	29
27	Synthesis and Characterization of $[OsCl_2(=C=CHR)(PPh_3)_2]$ and Related Complexes. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2837-2846.	2.0	28
28	Insertion Reactions of Allenes Giving Vinyl Complexes. <i>Organometallics</i> , 2005, 24, 4896-4898.	2.3	28
29	Chemistry of Metallacyclobutadienes. <i>Chemistry - an Asian Journal</i> , 2018, 13, 895-912.	3.3	28
30	Facile synthesis of polycyclic metallaarynes. <i>Chemical Science</i> , 2018, 9, 5994-5998.	7.4	28
31	Isomerization of $CH_3C\equiv CPh$ to Phenylallene Promoted by an Osmium Hydride Complex. <i>Organometallics</i> , 2000, 19, 3466-3468.	2.3	27
32	Rhenabenzynes and Unexpected Coupling Products from the Reactions of Rhenacyclobutadienes with Ethoxyethyne. <i>Organometallics</i> , 2015, 34, 167-176.	2.3	27
33	Preparation of Osmium η^3 -Allenylcarbene Complexes and Their Uses for the Syntheses of Osmabenzynes. <i>Organometallics</i> , 2016, 35, 1514-1525.	2.3	27
34	Synthesis and Characterization of Dirhenadehydro[12]annulenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7194-7198.	13.8	24
35	Designing Cr complexes for a neutral $Fe^{II}Cr$ redox flow battery. <i>Chemical Communications</i> , 2020, 56, 3171-3174.	4.1	22
36	Synthesis of Symmetrical C ₅ H ₅ -Bridged Dimeric Ruthenium Complexes. <i>Organometallics</i> , 1997, 16, 3557-3560.	2.3	21

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37	Reactions of [Cp*Ru(H ₂ O)(NBD)] ⁺ with Dihydrogen, Silanes, Olefins, Alkynes, and Allenes. <i>Organometallics</i> , 2006, 25, 2344-2354.	2.3	17
38	Hydrogen Shift Reactions of Rhenium Hydrido Carbyne Complexes. <i>Organometallics</i> , 2012, 31, 1817-1824.	2.3	17
39	Effects of substituents on the formation of rhenium carbyne and η^2 -vinyl complexes from the reactions of ReH ₅ (PMe ₂ Ph) ₃ with terminal alkynes. <i>New Journal of Chemistry</i> , 2013, 37, 1823.	2.8	17
40	Protonation of η^5 -Indenyl Ruthenium Hydride Complexes (η^5 -C ₉ H ₇)Ru(L ₂)H and η^5 - η^6 Haptotropic Rearrangement. X-ray Crystal Structures of (η^5 -C ₉ H ₇)Ru(dppm)H and [(η^6 -C ₉ H ₈)Ru(dppp)H] ⁺ . <i>Organometallics</i> , 2000, 19, 3692-3699.	2.3	16
41	Theoretical Studies of Rotational Barriers of Vinylidene Ligands in the Five-Coordinate Complexes M(X)Cl(CCHR)L ₂ (M = Os, Ru; L = Phosphine). <i>Organometallics</i> , 2000, 19, 5477-5483.	2.3	16
42	Coupling Reactions of an Allenylcarbene Complex with Alkynes and Styrene. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 2693-2701.	2.0	16
43	Alkyne Metathesis Reactions of Rhenium(V) Carbyne Complexes. <i>Organometallics</i> , 2016, 35, 3808-3815.	2.3	16
44	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.	2.3	16
45	Synthesis of η^2 -Cyclodextrin-Functionalized (2S,4S)- η^4 -(Diphenylphosphino)-2-(diphenylphosphinomethyl)pyrrolidine Ligands and Their Rhodium and Platinum Complexes. <i>Organometallics</i> , 2001, 20, 5220-5224.	2.3	14
46	Comparative Study on the Reactivity of H ₂ , PhCHCH ₂ , and PhC \equiv CMe with [Cp*Ru(H ₂ O)(NBD)] ⁺ . <i>Organometallics</i> , 2003, 22, 904-906.	2.3	11
47	Synthesis of Alkenyl Ylide Complexes from Reactions of ReOCl ₂ (OEt)(PPh ₃) ₂ with Alkynols. <i>Organometallics</i> , 2012, 31, 7085-7092.	2.3	11
48	Electrophilic Cyclization of 2-allyl-3-allyl-acetylacetates with Iodine Using Calcium Hydride as the Base. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4373-4379.	2.4	11
49	Synthesis of Rhenium Vinylidene and Carbyne Complexes from Reactions of [Re(dppm) ₃]I with Terminal Alkynes and Alkynols. <i>Organometallics</i> , 2016, 35, 3520-3529.	2.3	10
50	Synthesis and Characterization of Dihydrogen(olefin)osmium Complexes with (E)-Ph ₂ P(CH ₂) ₂ CH=CH(CH ₂) ₂ PPh ₂ . <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 1697-1702.	2.0	9
51	Reactions of Dihydrogen(norbornadiene) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 2551-2562.	2.0	9
52	Palladium-Catalyzed Highly Chemo-, Regio- and Stereoselective Synthesis of Eight- to Ten-Membered Lactones from Allenyl β -oxoalkanoates and Organic Halides. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1763-1774.	4.3	9
53	Alkyne Metathesis with d^2 Re(V) Alkylidyne Complexes Supported by Phosphino-Phenolates: Ligand Effect on Catalytic Activity and Applications in Ring-Closing Alkyne Metathesis. <i>Journal of the American Chemical Society</i> , 2022, 144, 6349-6360.	13.7	9
54	Artificial Bipolar Redox-Active Molecule for Symmetric Nonaqueous Redox Flow Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 613-621.	6.7	9

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55	Substituent Effects on Reactions of $[RhCl(COD)]_2$ with Diazoalkanes. <i>Organometallics</i> , 2019, 38, 905-915.	2.3	8
56	Dewar Metallabenzenes from Reactions of Metallacyclobutadienes with Alkynes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	8
57	Synthesis and Characterization of Dirhenadehydro[12]annulenes. <i>Angewandte Chemie</i> , 2016, 128, 7310-7314.	2.0	7
58	Reactions of Osmium Carbyne Complexes $OsCl_3(\eta^5-CR)(PPh_3)_2$ ($R = Tj$) <i>ETQqO O 0 rgBT /Overl</i> 36, 657-664.	2.3	7
59	Synthesis, Characterization and Electronic Structure of Dirhenadehydro[12]annulene Complexes. <i>ChemPlusChem</i> , 2019, 84, 85-91.	2.8	7
60	Syntheses and Structures of Ruthenium Complexes Containing a Ru-H Three-Center Two-Electron Bond. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12874-12879.	13.8	7
61	Rhenium-Promoted C-C Bond Cleavage Reactions of Internal Propargyl Alcohols. <i>Chemistry - A European Journal</i> , 2018, 24, 9760-9764.	3.3	7
62	Substituent Effect on the Reactions of $OsCl_2(PPh_3)_3$ with <i>i</i> -Ethynylphenyl Carbonyl Compounds. <i>Organometallics</i> , 2020, 39, 574-584.	2.3	7
63	Synthesis and Reactivities of Polyhydrido Osmium Arylsilyl Complexes Prepared from $OsH_3Cl(PPh_3)_3$. <i>Organometallics</i> , 2017, 36, 3729-3738.	2.3	6
64	Substituent effect on reactions of $ReH_5(PMe_2Ph)_3$ with propargyl alcohols. <i>Inorganica Chimica Acta</i> , 2021, 518, 120239.	2.4	6
65	Synthesis and characterization of MH-HOR dihydrogen bonded ruthenium and osmium complexes (<i>i</i> -5-C ₅ H ₄ CH ₂ OH)MH(PPh ₃) ₂ (M = Ru, Os). <i>Science China Chemistry</i> , 2014, 57, 1079-1089.	8.2	5
66	Azavinylidene Complexes from Coupling Reactions of Organonitriles with Phosphines. <i>Organometallics</i> , 2021, 40, 358-369.	2.3	5
67	Reactions of Rhenacyclobutadiene Complexes with Allenes. <i>Organometallics</i> , 2021, 40, 3753-3765.	2.3	5
68	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> , 2017, 36, 3266-3275.	2.3	4
69	Halide Effects on the Stability of Osmium Indenylidene Complexes: Isolation, Characterization, and Reactivities. <i>Organometallics</i> , 2020, 39, 2142-2151.	2.3	4
70	Reactions of Alkyl-Substituted Rhenacyclobutadiene Complexes with Electron-Rich Alkynes. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	2.0	3
71	DFT STUDIES ON THE STABILITY OF THE TRANS AND CIS ISOMERS IN THE SQUARE PLANAR PALLADIUM(II) COMPLEXES Pd(I)(PPh ₃)(<i>i</i> -3-XCHC(Ph)CHR) (X = CMe ₃ , CO ₂ Me, P(O)(OMe) ₂ , AND SO ₂ H; R = H, Me). <i>Journal of Theoretical and Computational Chemistry</i> , 2008, 07, 505-515.	1.8	1
72	Syntheses and Structures of Ruthenium Complexes Containing a Ru-H Three-Center Two-Electron Bond. <i>Angewandte Chemie</i> , 2018, 130, 13056-13061.	2.0	1

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73	Dewar Metallabenzenes from Reactions of Metallacyclobutadienes with Alkynes. <i>Angewandte Chemie</i> , 0, , .	2.0	1
74	Formation of Osmium Alkylidene, Alkylidyne, and Dinitrogen Complexes from Reactions of $\text{OsCl}_2(\text{PPh}_3)_3$ with Diazoalkanes. <i>Organometallics</i> , 0, , .	2.3	0
75	Complexes of Group 7 Metals with Metal-Carbon Sigma and Multiple Bonds. , 2021, , .		0