Guochen Jia

List of Publications by Year
in descending order

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		186265	214800
75	2,415	28	47
papers	citations	h-index	g-index

79	79	79	1334
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Alkyne Metathesis with d² Re(V) Alkylidyne Complexes Supported by Phosphino-Phenolates: Ligand Effect on Catalytic Activity and Applications in Ring-Closing Alkyne Metathesis. Journal of the American Chemical Society, 2022, 144, 6349-6360.	13.7	9
2	Artificial Bipolar Redox-Active Molecule for Symmetric Nonaqueous Redox Flow Batteries. ACS Sustainable Chemistry and Engineering, 2022, 10, 613-621.	6.7	9
3	Dewar Metallabenzenes from Reactions of Metallacyclobutadienes with Alkynes. Angewandte Chemie - International Edition, 2022, 61, .	13.8	8
4	Reactions of Alkylâ€Substituted Rhenacyclobutadiene Complexes with Electronâ€Rich Alkynes. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	3
5	Carboxyl-Functionalized TEMPO Catholyte Enabling High-Cycling-Stability and High-Energy-Density Aqueous Organic Redox Flow Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 6258-6265.	6.7	36
6	Substituent effect on reactions of ReH5(PMe2Ph)3 with propargyl alcohols. Inorganica Chimica Acta, 2021, 518, 120239.	2.4	6
7	Azavinylidene Complexes from Coupling Reactions of Organonitriles with Phosphines. Organometallics, 2021, 40, 358-369.	2.3	5
8	Cost-Effective, High-Energy-Density, Nonaqueous Nitrobenzene Organic Redox Flow Battery. Chemistry of Materials, 2021, 33, 978-986.	6.7	33
9	Reactions of Rhenacyclobutadiene Complexes with Allenes. Organometallics, 2021, 40, 3753-3765.	2.3	5
10	Complexes of Group 7 Metals with Metal-Carbon Sigma and Multiple Bonds. , 2021, , .		0
11	Robust Alkyne Metathesis Catalyzed by Air Stable d² Re(V) Alkylidyne Complexes. Journal of the American Chemical Society, 2020, 142, 13339-13344.	13.7	33
12	Halide Effects on the Stability of Osmium Indenylidene Complexes: Isolation, Characterization, and Reactivities. Organometallics, 2020, 39, 2142-2151.	2.3	4
13	Designing Cr complexes for a neutral Feâ€“Cr redox flow battery. Chemical Communications, 2020, 56, 3171-3174.	4.1	22
14	Substituent Effect on the Reactions of OsCl₂(PPh₃)₃ with o-Ethynylphenyl Carbonyl Compounds. Organometallics, 2020, 39, 574-584.	2.3	7
15	Synthesis, Characterization and Electronic Structure of Dirhenadehyro[12]annulene Complexes. ChemPlusChem, 2019, 84, 85-91.	2.8	7
16	Substituent Effects on Reactions of [RhCl(COD)]₂ with Diazoalkanes. Organometallics, 2019, 38, 905-915.	2.3	8
17	Chemistry of Metallacyclobutadienes. Chemistry - an Asian Journal, 2018, 13, 895-912.	3.3	28
18	Syntheses of Re(V) Alkylidyne Complexes and Ligand Effect on the Reactivity of Re(V) Alkylidyne Complexes toward Alkynes. Organometallics, 2018, 37, 559-569.	2.3	16

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19	Syntheses and Structures of Ruthenium Complexes Containing a Ruâ€Hâ€Ti Threeâ€Centerâ€“Twoâ€Electron Bond. Angewandte Chemie, 2018, 130, 13056-13061.	2.0	1
20	Syntheses and Structures of Ruthenium Complexes Containing a Ruâ€Hâ€Ti Threeâ€Centerâ€“Twoâ€Electron Bond. Angewandte Chemie - International Edition, 2018, 57, 12874-12879.	13.8	7
21	Rheniumâ€Promoted Câ^'C Bondâ€Cleavage Reactions of Internal Propargyl Alcohols. Chemistry - A European Journal, 2018, 24, 9760-9764.	3.3	7
22	Facile synthesis of polycyclic metallaarynes. Chemical Science, 2018, 9, 5994-5998.	7.4	28
23	Reactions of Osmium Carbyne Complexes OsCl₃(â‰¡CR)(PPh₃)₂ (R =) Tj ETQq1 1 0.784314 gf 36, 657-664.	2.3	7
24	Synthesis and Reactivities of Polyhydrido Osmium Arylsilyl Complexes Prepared from OsH₃Cl(PPh₃)₃. Organometallics, 2017, 36, 3729-3738.	2.3	6
25	Reactions of (Cyclopentadienylidenehydrazono)triphenylphosphorane with Chlororuthenium(II) Complexes and Substituent Effect on the Thermodynamic Trend in the Migratory-Insertion Reactions of Chlororutheniumâ€“Alkylidene Complexes. Organometallics, 2017, 36, 3266-3275.	2.3	4
26	Synthesis and Characterization of Dirhenadehydro[12]annulenes. Angewandte Chemie, 2016, 128, 7310-7314.	2.0	7
27	Preparation of Osmium Î·³-Allenylcarbene Complexes and Their Uses for the Syntheses of Osmabenzyne Complexes. Organometallics, 2016, 35, 1514-1525.	2.3	27
28	Synthesis of Rhenium Vinylidene and Carbyne Complexes from Reactions of [Re(dppm)₃]I with Terminal Alkynes and Alkynols. Organometallics, 2016, 35, 3520-3529.	2.3	10
29	Alkyne Metathesis Reactions of Rhenium(V) Carbyne Complexes. Organometallics, 2016, 35, 3808-3815.	2.3	16
30	Synthesis and Characterization of Dirhenadehydro[12]annulenes. Angewandte Chemie - International Edition, 2016, 55, 7194-7198.	13.8	24
31	Rearrangement of Metallabenzynes to Chlorocyclopentadienyl Complexes. Organometallics, 2015, 34, 890-896.	2.3	29
32	Rhenabenzenes and Unexpected Coupling Products from the Reactions of Rhenacyclobutadienes with Ethoxyethyne. Organometallics, 2015, 34, 167-176.	2.3	27
33	Synthesis of Rhenabenzenes from the Reactions of Rhenacyclobutadienes with Ethoxyethyne. Chemistry - A European Journal, 2014, 20, 14885-14899.	3.3	51
34	Synthesis and characterization of MHâ‹¯HOR dihydrogen bonded ruthenium and osmium complexes (Î·5-C5H4CH2OH)MH(PPh3)2 (M = Ru, Os). Science China Chemistry, 2014, 57, 1079-1089.	8.2	5
35	Recent development in the chemistry of transition metal-containing metallabenzenes and metallabenzynes. Coordination Chemistry Reviews, 2013, 257, 2491-2521.	18.8	180
36	Chemistry of rhenium carbyne complexes. Coordination Chemistry Reviews, 2013, 257, 666-701.	18.8	34

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37	Effects of substituents on the formation of rhenium carbyne and Î·2-vinyl complexes from the reactions of ReH5(PMe2Ph)3 with terminal alkynes. New Journal of Chemistry, 2013, 37, 1823.	2.8	17
38	Synthesis of Alkenyl Ylide Complexes from Reactions of ReOCl₂(OEt)(PPh₃)₂ with Alkynols. Organometallics, 2012, 31, 7085-7092.	2.3	11
39	Synthesis and Characterization of Rhenabenzyne Complexes. Chemistry - A European Journal, 2012, 18, 14128-14139.	3.3	36
40	Hydrogen Shift Reactions of Rhenium Hydrido Carbyne Complexes. Organometallics, 2012, 31, 1817-1824.	2.3	17
41	Electrophilic Cyclization of 2â€(2â€²,3â€²â€Allenyl)acetylacetates with Iodine Using Calcium Hydride as the Base. European Journal of Organic Chemistry, 2012, 2012, 4373-4379.	2.4	11
42	Theoretical study on the rearrangement of metallabenzenes to cyclopentadienyl complexes. Dalton Transactions, 2011, 40, 11315.	3.3	32
43	Palladiumâ€Catalyzed Highly Chemoâ€, Regioâ€•and Stereoselective Synthesis of Eightâ€•to Tenâ€Membered Lactones from Allenyl 3â€Oxoalkanoates and Organic Halides. Advanced Synthesis and Catalysis, 2011, 353, 1763-1774.	4.3	9
44	Conversion of Metallabenzynes into Carbene Complexes. Angewandte Chemie - International Edition, 2011, 50, 7295-7299.	13.8	56
45	Synthesis and Characterization of a Rhenabenzyne Complex. Angewandte Chemie - International Edition, 2011, 50, 10675-10678.	13.8	74
46	Hydrogen/Deuterium Exchange Reactions of Olefins with Deuterium Oxide Mediated by the Carbonylchlorohydridoâ€•tris(triphenylphosphine)ruthenium(II) Complex. Advanced Synthesis and Catalysis, 2010, 352, 1512-1522.	4.3	66
47	Synthesis and Characterization of Rhenabenzenes. Angewandte Chemie - International Edition, 2010, 49, 2759-2762.	13.8	101
48	Insertion reactions of allenes with transition metal complexes. Coordination Chemistry Reviews, 2009, 253, 423-448.	18.8	92
49	Insertion Reactions of Allenes with Palladium Aryl Complexes [PdI(Ph)(PPh3)]2 and PdI(Ph)(dppe). Organometallics, 2008, 27, 2614-2626.	2.3	38
50	DFT STUDIES ON THE STABILITY OF THE TRANS AND CIS ISOMERS IN THE SQUARE PLANAR PALLADIUM(II) COMPLEXES Pd(I)(PPh3)(Î·3-XCHC(Ph)CHR) (X = CMe3, CO2Me, P(O)(OMe)2, AND SO2H; R = H, Me). Journal of Theoretical and Computational Chemistry, 2008, 07, 505-515.	1.8	1
51	Ligand Effect on the Insertion Reactions of Allenes with MHCl(CO)(PPh3)3and MHCl(PPh3)3(M = Ru,) Tj ETQq1 1 0.784314 rgBT /Ove	2.3	32
52	Cyclometalation of 2-Vinylpyridine with MCl2(PPh3)3and MHCl(PPh3)3(M = Ru, Os). Organometallics, 2007, 26, 2849-2860.	2.3	30
53	Understanding Nonplanarity in Metallabenzene Complexes. Organometallics, 2007, 26, 1986-1995.	2.3	81
54	A Metallanaphthalyne Complex from Zinc Reduction of a Vinylcarbyne Complex. Angewandte Chemie - International Edition, 2007, 46, 9065-9068.	13.8	97

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55	Coupling Reactions of an Allenylcarbene Complex with Alkynes and Styrene. European Journal of Inorganic Chemistry, 2007, 2007, 2693-2701.	2.0	16
56	Theoretical Investigation of Alkyne Metathesis Catalyzed by W/Mo Alkylidyne Complexes. Organometallics, 2006, 25, 1812-1819.	2.3	81
57	Reactions of [Cp*Ru(H2O)(NBD)]+ with Dihydrogen, Silanes, Olefins, Alkynes, and Allenes. Organometallics, 2006, 25, 2344-2354.	2.3	17
58	Ruthenium-PromotedZ-Selective Head-to-Head Dimerization of Terminal Alkynes in Organic and Aqueous Media. Organometallics, 2005, 24, 4330-4332.	2.3	70
59	Insertion Reactions of Allenes Giving Vinyl Complexes. Organometallics, 2005, 24, 4896-4898.	2.3	28
60	Synthesis and Characterization of [OsCl2(=C=CHR)(PPh3)2] and Related Complexes. European Journal of Inorganic Chemistry, 2004, 2004, 2837-2846.	2.0	28
61	Progress in the Chemistry of Metallabenzynes. Accounts of Chemical Research, 2004, 37, 479-486.	15.6	154
62	Reactions of Dihydrogen(norbornadiene) Complexes. European Journal of Inorganic Chemistry, 2003, 2003, 2551-2562.	2.0	9
63	Vinylidene, Allenylidene, and Carbyne Complexes from the Reactions of [OsCl2(PPh3)3] with HCâ‹®CC(OH)Ph2. Organometallics, 2003, 22, 5217-5225.	2.3	50
64	Comparative Study on the Reactivity of H2, PhCHCH2, and PhCâ‹®CMe with [Cp*Ru(H2O)(NBD)]+. Organometallics, 2003, 22, 904-906.	2.3	11
65	Theoretical Studies on the Stabilities of Metallabenzynes. Organometallics, 2003, 22, 3898-3904.	2.3	37
66	Synthesis and Characterization of Dihydrogen(olefin)osmium Complexes with (E)-Ph2P(CH2)2CH=CH(CH2)2PPh2. European Journal of Inorganic Chemistry, 2002, 2002, 1697-1702.	2.0	9
67	Synthesis of Î²-Cyclodextrin-Functionalized (2S,4S)-(â^)-4-(Diphenylphosphino)-2-(diphenylphosphinomethyl)pyrrolidine Ligands and Their Rhodium and Platinum Complexes. Organometallics, 2001, 20, 5220-5224.	2.3	14
68	Isomerization of CH3Câ‹®CPh to Phenylallene Promoted by an Osmium Hydride Complex. Organometallics, 2000, 19, 3466-3468.	2.3	27
69	Protonation of Î·5-Indenyl Ruthenium Hydride Complexes (Î·5-C9H7)Ru(L2)H and Î·5â^'Î·6 Haptotropic Rearrangement. X-ray Crystal Structures of (Î·5-C9H7)Ru(dppm)H and [(Î·6-C9H8)Ru(dppp)H]+. Organometallics, 2000, 19, 3692-3699.	2.3	16
70	Theoretical Studies of Rotational Barriers of Vinylidene Ligands in the Five-Coordinate Complexes M(X)Cl(CCHR)L2(M = Os, Ru; L = Phosphine). Organometallics, 2000, 19, 5477-5483.	2.3	16
71	Synthesis of Symmetrical C5H5-Bridged Dimeric Ruthenium Complexes. Organometallics, 1997, 16, 3557-3560.	2.3	21
72	Metalâ^'Silane Interaction in the Novel Pseudooctahedral Silane Complexcis-Mo(CO)(PH3)4(HÂ·Â·Â·SiH3) and Some Related Isomers:Â Anab InitioStudy. Journal of the American Chemical Society, 1996, 118, 9915-9921.	13.7	45

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73	Single Crystal Neutron Diffraction Study of the Complex [Ru(H.cntdot..cntdot..cntdot.H)(C5Me5)(dppm)]BF4 which Contains an Elongated Dihydrogen Ligand. Journal of the American Chemical Society, 1994, 116, 7677-7681.	13.7	112
74	Formation of Osmium Alkylidene, Alkylidyne, and Dinitrogen Complexes from Reactions of OsCl2(PPh3)3 with Diazoalkanes. Organometallics, 0, , .	2.3	0
75	Dewar Metallabenzenes from Reactions of Metallacyclobutadienes with Alkynes. Angewandte Chemie, 0, , .	2.0	1