

Jiangxi Chen

List of Publications by Year in descending order

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42
papers

981
citations

430843

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all docs

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docs citations

46
times ranked

382
citing authors

#	ARTICLE	IF	CITATIONS
1	Optically reconfigurable shape memory metallo-polymer mediated by a carbonyl complex and radically exchangeable covalent bond. <i>Polymer Chemistry</i> , 2022, 13, 1844-1851.	3.9	8
2	Polymer derived ZrO ₂ reinforced SiC-ZrB ₂ polycrystalline fiber. <i>Journal of the European Ceramic Society</i> , 2022, 42, 3730-3737.	5.7	11
3	Synthesis and characterization of rhenia[10]annulynes. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2895-2902.	6.0	3
4	Photothermal Diol for NIR-Responsive Liquid Crystal Elastomers. <i>ACS Applied Polymer Materials</i> , 2022, 4, 6202-6210.	4.4	10
5	NIR-responsive metal-containing polymer hydrogel for light-controlled microvalve. <i>Polymer Chemistry</i> , 2021, 12, 3375-3382.	3.9	17
6	Substituent effect on reactions of ReH ₅ (PMe ₂ Ph) ₃ with propargyl alcohols. <i>Inorganica Chimica Acta</i> , 2021, 518, 120239.	2.4	6
7	Preparation of ultra-high temperature SiC-TiB ₂ nanocomposites from a single-source polymer precursor. <i>Ceramics International</i> , 2020, 46, 19928-19934.	4.8	6
8	Synthesis, Characterization and Electronic Structure of Dirhenadehydro[12]annulene Complexes. <i>ChemPlusChem</i> , 2019, 84, 85-91.	2.8	7
9	Carbonyl-polymers with near infrared triggered, spatially resolved and rapid self-healing properties. <i>Polymer Chemistry</i> , 2019, 10, 386-394.	3.9	27
10	Synthesis and Characterization of Cyclopropaanthracenes Containing a Fused Aromatic Metallacyclopentene Unit. <i>Angewandte Chemie</i> , 2019, 131, 9272-9276.	2.0	3
11	Synthesis and characterization of metallapentalenoxazetes by the [2+2] cycloaddition of metallapentalynes with nitrosoarenes. <i>Chemical Communications</i> , 2019, 55, 6237-6240.	4.1	8
12	Synthesis and Characterization of Cyclopropaanthracenes Containing a Fused Aromatic Metallacyclopentene Unit. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9174-9178.	13.8	27
13	Carbonyl Complexes as Photothermal Materials. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 1743.	1.3	6
14	Synthesis and Characterization of an Osmapentalene Derivative Containing a σ -Agostic Os-C(sp ³) Interaction. <i>Organometallics</i> , 2018, 37, 618-623.	2.3	12
15	Amorphous fine-diameter SiC-based fiber from a boron-modified polytitanocarbosilane precursor. <i>Journal of the European Ceramic Society</i> , 2018, 38, 1079-1086.	5.7	13
16	Synthesis and Characterization of Photothermal Osmium Carbonyl Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 8375-8381.	3.3	20
17	Photothermal chiral aromatic metallapentalenofuran and its NIR-responsive copolymer. <i>Polymer Chemistry</i> , 2018, 9, 2092-2100.	3.9	25
18	Metallapentalenofuran: Shifting Metallafuran Rings Promoted by Substituent Effects. <i>Chemistry - A European Journal</i> , 2018, 24, 14531-14538.	3.3	12

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19	Cylindrical NIR-Responsive Metallopolymer Containing Möbius Metalla-aromatics. ACS Macro Letters, 2018, 7, 1034-1038.	4.8	22
20	Synthesis and Characterization of Osmium Polycyclic Aromatic Complexes via Nucleophilic Reactions of Osmapentalyne. Chinese Journal of Chemistry, 2017, 35, 628-634.	4.9	16
21	Fine-diameter microwave-absorbing SiC-based fiber. RSC Advances, 2017, 7, 12126-12132.	3.6	12
22	Amphipathic metal-containing macromolecules with photothermal properties. Polymer Chemistry, 2017, 8, 3674-3678.	3.9	27
23	Metallapentalenofurans and Lactone- ϵ Fused Metallapentalynes. Chemistry - A European Journal, 2017, 23, 6426-6431.	3.3	39
24	Synthesis and Reactivities of Polyhydrido Osmium Arylsilyl Complexes Prepared from $\text{OsH}_3\text{Cl}(\text{PPh}_3)_3$. 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 Chlororuthenium- ϵ Alkylidene Complexes. Organometallics, 2017, 36, 3266-3275.	2.3	4
26	Synthesis of Olefinic Carbonyl Complexes. Chinese Journal of Organic Chemistry, 2017, 37, 1181.	1.3	15
27	Synthesis and Characterization of Dirhenadehydro[12]annulenes. Angewandte Chemie, 2016, 128, 7310-7314.	2.0	7
28	Preparation of Osmium Os^3 -Allenylcarbene Complexes and Their Uses for the Syntheses of Osmabenzynes Complexes. Organometallics, 2016, 35, 1514-1525.	2.3	27
29	Synthesis and Characterization of Dirhenadehydro[12]annulenes. Angewandte Chemie - International Edition, 2016, 55, 7194-7198.	13.8	24
30	Metallafurans and their synthetic chemistry. Science Bulletin, 2016, 61, 430-442.	9.0	20
31	Rearrangement of Metallabenzynes to Chlorocyclopentadienyl Complexes. Organometallics, 2015, 34, 890-896.	2.3	29
32	Recent development in the chemistry of transition metal-containing metallabenzynes and metallabenzynes. Coordination Chemistry Reviews, 2013, 257, 2491-2521.	18.8	180
33	Effects of substituents on the formation of rhenium carbyne and Re^2 -vinyl complexes from the reactions of $\text{ReH}_5(\text{PMe}_2\text{Ph})_3$ with terminal alkynes. New Journal of Chemistry, 2013, 37, 1823.	2.8	17
34	Synthesis and Chemical Properties of Metallabenzynes. Chinese Journal of Organic Chemistry, 2013, 33, 792.	1.3	14
35	Synthesis and Characterization of Rhenabenzynes Complexes. Chemistry - A European Journal, 2012, 18, 14128-14139.	3.3	36
36	Hydrogen Shift Reactions of Rhenium Hydrido Carbyne Complexes. Organometallics, 2012, 31, 1817-1824.	2.3	17

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37	Hydrolysis of Osmium and Ruthenium Carbyne Complexes. <i>Organometallics</i> , 2011, 30, 6159-6165.	2.3	12
38	Conversion of Metallabenzynes into Carbene Complexes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7295-7299.	13.8	56
39	Synthesis and Characterization of a Rhenabenzynes Complex. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10675-10678.	13.8	74
40	Rhenium Carbyne and η^2 -Vinyl Complexes from One-Pot Reactions of $\text{ReH}_5(\text{PMe}_2\text{Ph})_3$ with Terminal Alkynes. <i>Organometallics</i> , 2010, 29, 2693-2701.	2.3	28
41	Method for preparing polyaluminocarbosilane. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3725-3731.	2.6	8
42	Control of structure formation of polycarbosilane synthesized from polydimethylsilane by Kumada rearrangement. <i>Journal of Applied Polymer Science</i> , 2008, 108, 3114-3121.	2.6	21