Jianhua Cheng

List of Publications by Year
in descending order

53	2,147	279487	223531
papers	citations	23 h-index	46 g-index

61	61	61	1571
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CO, CO₂ and CS₂ activation by divalent ytterbium hydrido complexes. Chemical Communications, 2022, 58, 1362-1365.	2.2	4
2	Progress of Application of Ring-Opening Metathesis Polymerization (ROMP) in the Synthesis of Star Polymers. Acta Chimica Sinica, 2022, 80, 229.	0.5	1
3	Calcium Mediated Câˆ'H Silylation of Aromatic Heterocycles with Hydrosilanes. ChemCatChem, 2022, 14, .	1.8	6
4	Regioselective Câ€"H Alkylation of Aromatic Ethers with Alkenes by a Half-Sandwich Calcium Catalyst. ACS Catalysis, 2022, 12, 7877-7885.	5.5	10
5	Norbornenyl-based amphiphilic ABA-triblock azobenzene copolymers: Synthesis, photoresponsive and self-assembly properties. Polymer, 2021, 213, 123310.	1.8	10
6	Scandium and lanthanum hydride complexes stabilized by super-bulky penta-arylcyclopentadienyl ligands. Chemical Communications, 2021, 57, 7766-7769.	2.2	9
7	A mononuclear divalent ytterbium hydrido complex supported by a super-bulky scorpionate ligand. Chemical Communications, 2021, 57, 10047-10050.	2.2	7
8	One-shot synthesis of star gradient copolymers with controllable graft density. Polymer Chemistry, 2021, 12, 2651-2657.	1.9	2
9	Calcium-Catalyzed Dehydrogenative Silylation of Aromatic Ethers with Hydrosilane. ACS Catalysis, 2021, 11, 2041-2046.	5.5	20
10	Synthesis and micellar property of amphiphilic brush-arm star copolymers via living ROMP. Polymer, 2021, 229, 123951.	1.8	5
11	Trinuclear scandium methylidyne complexes stabilized by pentamethylcyclopentadienyl ligands. Chemical Communications, 2021, 57, 6436-6439.	2.2	2
12	Half-sandwich scandium dibenzyl complexes bearing penta- or tetra-arylcyclopentadienyl ligands: synthesis, structure and syndiospecific styrene polymerization activity. New Journal of Chemistry, 2020, 44, 17333-17340.	1.4	9
13	Selective homo- and cross-desilacoupling of aryl and benzyl primary silanes catalyzed by a barium complex. Dalton Transactions, 2020, 49, 8340-8346.	1.6	11
14	Molecular Thorium Trihydrido Clusters Stabilized by Cyclopentadienyl Ligands. Angewandte Chemie - International Edition, 2020, 59, 11250-11255.	7.2	9
15	Star polymerization of norbornene derivatives using a tri-functionalized Blechert's olefin metathesis catalyst. Polymer Chemistry, 2020, 11, 1735-1741.	1.9	7
16	Binuclear Scandium Initiators for the Syndiospecific Triblock Copolymerization of Styrene with Îµ-Caprolactone. Macromolecules, 2020, 53, 3332-3338.	2.2	10
17	Molecular Thorium Trihydrido Clusters Stabilized by Cyclopentadienyl Ligands. Angewandte Chemie, 2020, 132, 11346-11351.	1.6	2
18	Mononuclear calcium complex as effective catalyst for alkenes hydrogenation. Chemical Communications, 2020, 56, 5162-5165.	2.2	31

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19	Four- and five-coordinate aluminum complexes supported by N,O-bidentate Î²-pyrazylenolate ligands: synthesis, structure and application in ROP of Îµ-caprolactone and lactide. Dalton Transactions, 2019, 48, 12315-12325.	1.6	18
20	Superâ€Bulky Pentaâ€arylcyclopentadienyl Ligands: Isolation of the Full Range of Halfâ€Sandwich Heavy Alkalineâ€Earth Metal Hydrides. Angewandte Chemie, 2019, 131, 4400-4404.	1.6	21
21	Superâ€Bulky Pentaâ€arylcyclopentadienyl Ligands: Isolation of the Full Range of Halfâ€Sandwich Heavy Alkalineâ€Earth Metal Hydrides. Angewandte Chemie - International Edition, 2019, 58, 4356-4360.	7.2	62
22	Thorium(<scp>iv</scp>) trialkyl complexes of non-carbocyclic ligands as highly active isoprene polymerisation catalysts. Dalton Transactions, 2019, 48, 11706-11714.	1.6	6
23	Monomeric thorium dihydrido complexes: versatile precursors to actinide metallacycles. Chemical Communications, 2019, 55, 8560-8563.	2.2	17
24	Reversible addition and hydrogenation of 1,1-diphenylethylene with a barium complex. Dalton Transactions, 2019, 48, 8565-8568.	1.6	20
25	Barium tetraalkylaluminate complexes supported by the super-bulky hydrotris(pyrazolyl)borate ligand. Dalton Transactions, 2019, 48, 17919-17924.	1.6	6
26	Research Progress of Molecular Alkaline-Earth Metal Hydrides. Chinese Journal of Organic Chemistry, 2019, 39, 1557.	0.6	6
27	Insights into the Formation Process of Yttriumâ€“Aluminum Bimetallic Alkyl Complexes Supported by a Bulky Phosphazene Ligand. Organometallics, 2018, 37, 971-978.	1.1	13
28	A Molecular Barium Hydrido Complex Stabilized by a Superâ€Bulky Hydrotris(pyrazolyl)borate Ligand. Angewandte Chemie - International Edition, 2017, 56, 16650-16653.	7.2	63
29	A Molecular Barium Hydrido Complex Stabilized by a Superâ€Bulky Hydrotris(pyrazolyl)borate Ligand. Angewandte Chemie, 2017, 129, 16877-16880.	1.6	24
30	Aluminum chelates supported by Î²-quinolyl enolate ligands: synthesis and ROP of Îµ-CL. Dalton Transactions, 2016, 45, 9088-9096.	1.6	22
31	Neutral binuclear rare-earth metal complexes with four Î¼₂-bridging hydrides. Chemical Communications, 2015, 51, 5063-5065.	2.2	19
32	Lutetiumâ€Methanediideâ€Alkyl Complexes: Synthesis and Chemistry. Chemistry - A European Journal, 2014, 20, 15493-15498.	1.7	35
33	Half-sandwich scandium boryl complexes bearing a silylene-linked cyclopentadienyl-amido ligand. Dalton Transactions, 2014, 43, 14215-14218.	1.6	14
34	Hydrogenolysis and Protonation of Polymetallic Lutetium Methylidene and Methyl Complexes. Organometallics, 2013, 32, 4142-4148.	1.1	14
35	Highly efficient catalytic hydrosilylation of carbon dioxide by an N-heterocyclic carbene copper catalyst. Chemical Communications, 2013, 49, 4782.	2.2	145
36	Facile Preparation of a Scandium Terminal Imido Complex Supported by a Phosphazene Ligand. Organometallics, 2013, 32, 5523-5529.	1.1	55

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37	M₄(CH₂)₄ Cubaneâ€Type Rareâ€Earth Methylidene Complexes: Unique Reactivity toward Unsaturated Cï£¿O, Cï£¿N, and Cï£¿S Bonds. Chemistry - A European Journal, 2012, 18, 15079-15085.	1.7	35
38	Binuclear rare-earth polyhydride complexes bearing both terminal and bridging hydride ligands. Chemical Science, 2012, 3, 2230.	3.7	38
39	Cationic terminal hydrido rare earth complexes bearing an amidinate ancillary ligand. Chemical Communications, 2012, 48, 814-816.	2.2	32
40	Catalytic Boracarboxylation of Alkynes with Diborane and Carbon Dioxide by an N-Heterocyclic Carbene Copper Catalyst. Journal of the American Chemical Society, 2012, 134, 14314-14317.	6.6	256
41	Rare-earth dialkyl and dihydride complexes bearing monoanionic ancillary ligands. Science China Chemistry, 2011, 54, 2032-2037.	4.2	10
42	Rareâ€Earth Polyhydride Complexes Bearing Bis(phosphinophenyl)amido Pincer Ligands. Angewandte Chemie - International Edition, 2011, 50, 1857-1860.	7.2	50
43	Rare Earth Metal Boryl Complexes: Synthesis, Structure, and Insertion of a Carbodiimide and Carbon Monoxide. Angewandte Chemie - International Edition, 2011, 50, 6360-6363.	7.2	75
44	Copperâ€Catalyzed Direct Carboxylation of Cï£¿H Bonds with Carbon Dioxide. Angewandte Chemie - International Edition, 2010, 49, 8670-8673.	7.2	326
45	Variable nuclearity scorpionate-supported lanthanide polyhydrides: [(TpR,Râ€²)LnH2]n (n=3, 4 and 6). Journal of Organometallic Chemistry, 2010, 695, 2696-2702.	0.8	52
46	Synthesis and Reaction of [(Tp^{iPr₂})LnH₂]₃ (Ln) Tj ETQq0 0 0 rgBT /Overlock Journal of the American Chemical Society, 2010, 132, 2-3.	6.6	100
47	Reactions of Scorpionate-Anchored Yttrium and Lutetium Dialkyls with Terminal Alkynes: From Bimetallic Complexes with Bridging Enynediyl Ligands to Monomeric Terminal Dialkynyl Complexes. Organometallics, 2010, 29, 4950-4965.	1.1	26
48	Scorpionateâ€Supported Dialkyl and Dihydride Lanthanide Complexes: Ligandâ€and Solventâ€Dependent Cluster Hydride Formation. Angewandte Chemie - International Edition, 2008, 47, 4910-4913.	7.2	92
49	Heteroleptic Tm(II) Complexes:â€‰ One More Success for Trofimenko's Scorpionates. Journal of the American Chemical Society, 2008, 130, 1544-1545.	6.6	66
50	Organolanthanides with 3-(2-pyridylmethyl) indenyl ligands: synthesis, crystal structures and catalytic activities of divalent complexes for Îµ-caprolactone polymerization. Journal of Organometallic Chemistry, 2004, 689, 2646-2653.	0.8	15
51	Syntheses and crystal structures of bis(tetrahydrofurfurylindenyl) lanthanocene chlorides (C4H7OCH2C9H6)2LnCl (Ln=La, Lu). Polyhedron, 2004, 23, 1075-1080.	1.0	10
52	Ring-opening polymerization and block copolymerization ofL-lactide with divalent samarocene complex. Journal of Polymer Science Part A, 2003, 41, 2667-2675.	2.5	24
53	Synthesis and characterization of (C5H9C9H6)2Yb(THF)2(II) (1) and [(C5H9C5H4)2Yb(THF)]2O2 (2), and ring-opening polymerization of lactones with 1. Journal of Organometallic Chemistry, 2002, 650, 84-90.	0.8	28