

Yaofeng Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9414544/publications.pdf>

Version: 2024-02-01

73
papers

2,488
citations

172207

29
h-index

214527

47
g-index

75
all docs

75
docs citations

75
times ranked

1248
citing authors

#	ARTICLE	IF	CITATIONS
1	Halogen-Substituted 2,6-Bis(imino)pyridyl Iron and Cobalt Complexes: Highly Active Catalysts for Polymerization and Oligomerization of Ethylene. <i>Organometallics</i> , 2003, 22, 4312-4321.	1.1	155
2	Fluoro-Substituted 2,6-Bis(imino)pyridyl Iron and Cobalt Complexes: High-Activity Ethylene Oligomerization Catalysts. <i>Organometallics</i> , 2003, 22, 1231-1236.	1.1	153
3	A scandium terminal imido complex: synthesis, structure and DFT studies. <i>Chemical Communications</i> , 2010, 46, 4469.	2.2	143
4	Scandium terminal imido complex induced C-H bond selenation and formation of an Sc-Se bond. <i>Chemical Communications</i> , 2011, 47, 743-745.	2.2	103
5	Reactivity of a Scandium Terminal Imido Complex Towards Unsaturated Substrates. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7677-7680.	7.2	92
6	Versatile Reactivity of a Four-Coordinate Scandium Phosphinidene Complex: Reduction, Addition, and CO Activation Reactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 14784-14796.	6.6	77
7	Dialkyl-lanthanide Complexes Containing New Tridentate Monoanionic Ligands with Nitrogen Donors. <i>Organometallics</i> , 2008, 27, 758-763.	1.1	72
8	An unprecedented lanthanide phosphinidene halide: synthesis, structure and reactivity. <i>Chemical Communications</i> , 2008, , 5547.	2.2	59
9	Lewis Acid Triggered Reactivity of a Lewis Base Stabilized Scandium-Terminal Imido Complex: C-H Bond Activation, Cycloaddition, and Dehydrofluorination. <i>Journal of the American Chemical Society</i> , 2014, 136, 10894-10897.	6.6	58
10	Divalent Ytterbium Boratabenzene Complex (C ₅ H ₅ BNPh) ₂ Yb(THF) ₂ : Synthesis, Structure, and Solvent-Mediated Redox Transformation. <i>Organometallics</i> , 2008, 27, 4013-4016.	1.1	54
11	Highly Reactive Scandium Phosphinoalkylidene Complex: C-H and H-H Bonds Activation. <i>Journal of the American Chemical Society</i> , 2017, 139, 1081-1084.	6.6	51
12	Side Arm Twist on Zn-Catalyzed Hydrosilylative Reduction of CO ₂ to Formate and Methanol Equivalents with High Selectivity and Activity. <i>ACS Catalysis</i> , 2018, 8, 4710-4718.	5.5	51
13	Scandium Terminal Imido Chemistry. <i>Accounts of Chemical Research</i> , 2018, 51, 557-566.	7.6	51
14	An ansa-Heteroborabenzene Divalent Lanthanide Amide through C-H Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9944-9947.	7.2	50
15	A Scandium Complex Bearing Both Methylidene and Phosphinidene Ligands: Synthesis, Structure, and Reactivity. <i>Organometallics</i> , 2015, 34, 470-476.	1.1	50
16	Multi-center nature of ethylene polymerization catalysts based on 2,6-bis(imino)pyridyl complexes of iron and cobalt. <i>Journal of Polymer Science Part A</i> , 2006, 44, 6159-6170.	2.5	49
17	Neodymium(III) phosphinidene complexes supported by pentamethylcyclopentadienyl and hydrotris(pyrazolyl)borate ligands. <i>Dalton Transactions</i> , 2010, 39, 6886.	1.6	49
18	Well-Defined Soluble P ³⁺ -Containing Rare-Earth Metal Compounds. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11227-11229.	7.2	49

#	ARTICLE	IF	CITATIONS
19	Divalent Ytterbium Complex-Catalyzed Homo- and Cross-Coupling of Primary Arylsilanes. <i>Journal of the American Chemical Society</i> , 2019, 141, 138-142.	6.6	47
20	Reversible Addition of the Si-H Bond of Phenylsilane to the Sc-N Bond of a Scandium Terminal Imido Complex. <i>Organometallics</i> , 2013, 32, 1137-1140.	1.1	45
21	Reactivity of scandium terminal imido complexes towards metal halides. <i>Chemical Communications</i> , 2012, 48, 3403.	2.2	42
22	Nonchelated Phosphoniomethylidene Complexes of Scandium and Lutetium. <i>Journal of the American Chemical Society</i> , 2017, 139, 17759-17762.	6.6	42
23	Boratabenzene Derivatives of Divalent Samarium: Syntheses, Structures and Catalytic Reactivities of (C ₅ H ₅ BXPh ₂) ₂ Sm(THF) ₂ (X = N, P). <i>Organometallics</i> , 2007, 26, 6519-6521.	1.1	40
24	Yttrium Anilido Hydride: Synthesis, Structure, and Reactivity. <i>Organometallics</i> , 2011, 30, 5433-5441.	1.1	38
25	Rapid Entry to Functionalized Boratabenzene Complexes through Metal-Induced Hydroboration at the Anionic 1-H-Boratabenzene Ligand. <i>Organometallics</i> , 2011, 30, 4330-4341.	1.1	37
26	Rare-earth metal complexes of η^2 -diketiminato ligands bearing pendant nitrogen or oxygen donors. <i>Coordination Chemistry Reviews</i> , 2017, 346, 77-90.	9.5	37
27	Chameleon Behavior of a Newly Synthesized Scandium Nitrilimine Derivative. <i>Journal of the American Chemical Society</i> , 2013, 135, 8165-8168.	6.6	36
28	Non-Pincer-Type Mononuclear Scandium Alkylidene Complexes: Synthesis, Bonding, and Reactivity. <i>Chemistry - A European Journal</i> , 2016, 22, 1258-1261.	1.7	36
29	An Yttrium Hydride-Silane Complex as a Structural Model for a σ -Bond Metathesis Transition State. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4243-4246.	7.2	34
30	Reactions of Boratabenzene Yttrium Complexes with KN(SiMe ₃) ₂ : Salt Elimination and η^5 -Ligand Displacement. <i>Organometallics</i> , 2008, 27, 6307-6312.	1.1	30
31	Synthesis and Structural Features of Boratabenzene Rare-Earth Metal Alkyl Complexes. <i>Organometallics</i> , 2010, 29, 3722-3728.	1.1	29
32	1-Methyl Boratabenzene Yttrium Alkyl: A Highly Active Catalyst for Dehydrocoupling of Me ₂ NH-BH ₃ . <i>ACS Catalysis</i> , 2013, 3, 521-524.	5.5	29
33	Versatile Reactivities of <i>ansa</i> -Heteroborabenzene Divalent Ytterbium Amide toward Alkali-Metal Salts and the Generation of Heterometallic Ytterbium-Alkali-Metal Boratabenzene Complexes. <i>Organometallics</i> , 2011, 30, 2012-2017.	1.1	25
34	Synthesis and Catalytic Activity of Amido-Boratabenzene Complexes of Rare-Earth Metals and Zirconium and Chromium. <i>Organometallics</i> , 2013, 32, 6166-6169.	1.1	22
35	Formation and Reactivity of a Cp* ₂ Sc Four-Membered Ring: H ₂ , O ₂ , CO, Phenylsilane, and Pinacolborane Activation. <i>Chemistry - A European Journal</i> , 2017, 23, 5424-5428.	1.7	22
36	C-P or C-H Bond Cleavage of Phosphine Oxides Mediated by an Yttrium Hydride. <i>Organometallics</i> , 2012, 31, 4574-4578.	1.1	21

#	ARTICLE	IF	CITATIONS
37	Boratatrozirconenes: cycloheptatrienyl zirconium boratabenzene sandwich complexes – evaluation of potential 1-5 hapticity interconversions. <i>New Journal of Chemistry</i> , 2012, 36, 1392.	1.4	21
38	Boratabenzene rare-earth metal complexes. <i>Coordination Chemistry Reviews</i> , 2016, 314, 2-13.	9.5	21
39	Organocalcium Complex-Catalyzed Selective Redistribution of ArSiH ₃ or Ar(alkyl)SiH ₂ to Ar ₃ SiH or Ar ₂ (alkyl)SiH. <i>ACS Catalysis</i> , 2021, 11, 6348-6356.	5.5	21
40	Synthesis, structural characterization and catalytic behavior of one-atom bridged fluorenyl cyclopentadienyl lanthanocene complexes with C _s - or C ₁ -symmetry. <i>Journal of Organometallic Chemistry</i> , 2002, 647, 114-122.	0.8	20
41	Monomeric Rare-Earth Metal Silyl-Thiophosphinoyl-Alkylidene Complexes: Synthesis, Structure, and Reactivity. <i>Chemistry - A European Journal</i> , 2018, 24, 13903-13917.	1.7	20
42	Synthesis and Reactivity of a Scandium Terminal Hydride: H ₂ – Activation by a Scandium Terminal Imido Complex. <i>Chemistry - A European Journal</i> , 2017, 23, 14728-14732.	1.7	20
43	Rare-earth metal hydrides supported by silicon-bridged boratabenzene fluorenyl ligands: synthesis, structure and reactivity. <i>Dalton Transactions</i> , 2017, 46, 1218-1227.	1.6	19
44	One frontier of the rare-earth organometallic chemistry: The chemistry of rare-earth metal alkylidene, imido and phosphinidene complexes. <i>Scientia Sinica Chimica</i> , 2011, 41, 304-313.	0.2	19
45	Synthesis, and structural characterization of solvent-free divalent ytterbium bis(boratabenzene) and (cyclopentadienyl)(boratabenzene) complexes. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2713-2719.	0.8	18
46	Mono(boratabenzene) rare-earth metal dialkyl complexes: synthesis, structure and catalytic behaviors for styrene polymerization. <i>Dalton Transactions</i> , 2015, 44, 5771-5776.	1.6	18
47	Synthesis and versatile reactivity of scandium phosphinophosphinidene complexes. <i>Nature Communications</i> , 2020, 11, 2916.	5.8	18
48	Assembling High-Temperature Single-Molecule Magnets with Low-Coordinate Bis(amido) Dysprosium Unit [DyN ₂] + via Cl – Cl Linkage. <i>CCS Chemistry</i> , 2020, 2, 362-368.	4.6	18
49	Scandium-Terminal Boronylphosphinidene Complex. <i>Journal of the American Chemical Society</i> , 2021, 143, 2705-2709.	6.6	17
50	Reactivity of Scandium Terminal Imido Complex toward Boranes: C(sp ³) – H Bond Borylation and B – O Bond Cleavage. <i>Organometallics</i> , 2017, 36, 4620-4625.	1.1	16
51	Rare-earth/zinc heterometallic complexes containing both alkoxy-amino-bis(phenolato) and chiral salen ligands: synthesis and catalytic application for copolymerization of CO ₂ with cyclohexene oxide. <i>Dalton Transactions</i> , 2019, 48, 10565-10573.	1.6	16
52	Synthesis and Structure of Silicon-Bridged Boratabenzene Fluorenyl Rare-Earth Metal Complexes. <i>Organometallics</i> , 2016, 35, 1995-2002.	1.1	15
53	Samarium(II) Monoalkyl Complex Supported by a 1,2-Diketiminato-Based Tetradentate Ligand: Synthesis, Structure, and Catalytic Hydrosilylation of Internal Alkynes. <i>Chemistry - A European Journal</i> , 2020, 26, 5494-5499.	1.7	15
54	Insertion of Metal-Substituted Silylene into Naphthalene's Aromatic Ring and Subsequent Rearrangement for Silaspiro-Benzocycloheptenyl and Cyclobutenosilaindan Derivatives. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3189-3195.	7.2	15

#	ARTICLE	IF	CITATIONS
55	Are Sc ^{III} -C and Sc ^{III} -P Bonds Reactive in Scandium Phosphinoalkylidene Complex? Insights on a Versatile Reactivity. <i>Chinese Journal of Chemistry</i> , 2018, 36, 904-908.	2.6	14
56	Boron-Oxygen Bond Cleavage of Pinacolborane and Catecholborane Mediated by a Scandium Phosphinidene Complex. <i>Chinese Journal of Chemistry</i> , 2014, 32, 752-756.	2.6	13
57	Substitution reaction of triphenylphosphine oxide with rare-earth metal phosphido methyl complexes. <i>New Journal of Chemistry</i> , 2015, 39, 7582-7588.	1.4	13
58	Dianionic Carbon-Bridged Scandium-Copper/Silver Heterobimetallic Complexes: Synthesis, Bonding, and Reactivity. <i>Chemistry - A European Journal</i> , 2018, 24, 5637-5643.	1.7	13
59	Tris(boratabenzene) Lanthanum Complexes: Synthesis, Structure, and Reactivity. <i>Organometallics</i> , 2015, 34, 3216-3221.	1.1	11
60	Rare-Earth-Catalyzed Selective Synthesis of Linear Hydridopolycarbosilanes and Their Functionalization. <i>Macromolecules</i> , 2021, 54, 673-678.	2.2	10
61	Scandium terminal imido complex induced intramolecular C-N bond cleavage and transformation. <i>Science China Chemistry</i> , 2014, 57, 1098-1105.	4.2	9
62	Scandium Phosphonioketene: Synthesis, Bonding and Reactivity. <i>Chemistry - A European Journal</i> , 2019, 25, 10304-10308.	1.7	9
63	σ-C-H agostic interactions and C-H bond activation in scandium cyclopropyl complexes. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4822-4831.	3.0	9
64	Zinc Powder Catalysed Formylation and Urethanalization of Amines Using CO_2 as a C_1 Building Block. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1057-1064.	2.6	9
65	Divalent Ytterbium Iodide Supported by I^2 -Diketiminato Based Tridentate Ligand: Synthesis, Structure and Small Molecule Activation. <i>Chinese Journal of Chemistry</i> , 2020, 38, 247-253.	2.6	8
66	Organocalcium Complex-Catalyzed Dehydrogenative Coupling of Hydrosilanes with Terminal Alkynes. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	7
67	Divalent Ytterbium Hydrido Complex Supported by a I^2 -Diketiminato-Based Tetradentate Ligand: Synthesis, Structure, and Reactivity. <i>Inorganic Chemistry</i> , 2021, 60, 13913-13919.	1.9	6
68	Hydrogenation of Alkenes Catalyzed by Rare-Earth Metal Phosphinophosphinidene Complexes: 1,2-Addition/Elimination Versus I^2 -Bond Metathesis Mechanism. <i>CCS Chemistry</i> , 2022, 4, 3309-3318.	4.6	6
69	Neutral and Anionic Monomeric Zirconium Imides Prepared via Selective C=N Bond Cleavage of a Multidentate and Sterically Demanding I^2 -Diketiminato Ligand. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2629-2638.	1.7	5
70	Insertion of Metal-Substituted Silylene into Naphthalene's Aromatic Ring and Subsequent Rearrangement for Silaspiro-Benzocycloheptenyl and Cyclobutenosilaindan Derivatives. <i>Angewandte Chemie</i> , 2021, 133, 3226-3232.	1.6	4
71	Synthesis, Characterization and Reactivity of a Hydrido- and Imido-Bridged Dinuclear Ytterbium(III) Complex. <i>Angewandte Chemie - International Edition</i> , 2022, , e202200540.	7.2	1
72	Coordination Chemistry of Lanthanides. , 2022, , 119-148.		0

#	ARTICLE	IF	CITATIONS
73	Synthesis, Characterization and Reactivity of a Hydrido- and Imido-Bridged Dinuclear Ytterbium(III) Complex. <i>Angewandte Chemie</i> , 0, , .	1.6	0