

Yaofeng Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

2,083
citations

28
h-index

43
g-index

75
ext. papers

2,274
ext. citations

7.6
avg, IF

4.99
L-index

#	Paper	IF	Citations
73	Coordination Chemistry of Lanthanides 2022 , 119-148		
72	Synthesis, Characterization, and Reactivity of a Hydrido- and Imido-Bridged Dinuclear Ytterbium(III) Complex.. <i>Angewandte Chemie - International Edition</i> , 2022 , e202200540	16.4	1
71	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	13.1	2
70	Divalent Ytterbium Hydrido Complex Supported by a β -Diketiminato-Based Tetradentate Ligand: Synthesis, Structure, and Reactivity. <i>Inorganic Chemistry</i> , 2021 , 60, 13913-13919	5.1	3
69	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	3.6	0
68	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	16.4	2
67	Rare-Earth-Catalyzed Selective Synthesis of Linear Hydridopolycarbosilanes and Their Functionalization. <i>Macromolecules</i> , 2021 , 54, 673-678	5.5	3
66	Scandium-Terminal Boronylphosphinidene Complex. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2705-2709	16.4	5
65	Synthesis and versatile reactivity of scandium phosphinophosphinidene complexes. <i>Nature Communications</i> , 2020 , 11, 2916	17.4	12
64	Samarium(II) Monoalkyl Complex Supported by a β -Diketiminato-Based Tetradentate Ligand: Synthesis, Structure, and Catalytic Hydrosilylation of Internal Alkynes. <i>Chemistry - A European Journal</i> , 2020 , 26, 5494-5499	4.8	11
63	Zinc Powder Catalysed Formylation and Ureolation of Amines Using CO ₂ as a C1 Building Block <i>Chinese Journal of Chemistry</i> , 2020 , 38, 1057-1064	4.9	5
62	Assembling High-Temperature Single-Molecule Magnets with Low-Coordinate Bis(amido) Dysprosium Unit [DyN ₂] + via Cl-Al Linkage. <i>CCS Chemistry</i> , 2020 , 2, 362-368	7.2	6
61	Divalent Ytterbium Iodide Supported by β -Diketiminato Based Tridentate Ligand: Synthesis, Structure and Small Molecule Activation <i>Chinese Journal of Chemistry</i> , 2020 , 38, 247-253	4.9	7
60	σ agostic interactions and C-H bond activation in scandium cyclopropyl complexes. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 4822-4831	6.8	1
59	Scandium Phosphonioketene: Synthesis, Bonding and Reactivity. <i>Chemistry - A European Journal</i> , 2019 , 25, 10304-10308	4.8	3
58	Neutral and Anionic Monomeric Zirconium Imides Prepared via Selective C=N Bond Cleavage of a Multidentate and Sterically Demanding β -Diketiminato Ligand. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2629-2638	4.5	2
57	Rare-earth/zinc heterometallic complexes containing both alkoxy-amino-bis(phenolato) and chiral salen ligands: synthesis and catalytic application for copolymerization of CO with cyclohexene oxide. <i>Dalton Transactions</i> , 2019 , 48, 10565-10573	4.3	10

56	Divalent Ytterbium Complex-Catalyzed Homo- and Cross-Coupling of Primary Arylsilanes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 138-142	16.4	33
55	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	13.1	35
54	Scandium Terminal Imido Chemistry. <i>Accounts of Chemical Research</i> , 2018 , 51, 557-566	24.3	34
53	Dianionic Carbon-Bridged Scandium-Copper/Silver Heterobimetallic Complexes: Synthesis, Bonding, and Reactivity. <i>Chemistry - A European Journal</i> , 2018 , 24, 5637-5643	4.8	10
52	Monomeric Rare-Earth Metal Silyl-Thiophosphinoyl-Alkylidene Complexes: Synthesis, Structure, and Reactivity. <i>Chemistry - A European Journal</i> , 2018 , 24, 13903-13917	4.8	12
51	Are Sc-C and Sc-B Bonds Reactive in Scandium Phosphinoalkylidene Complex? Insights on a Versatile Reactivity. <i>Chinese Journal of Chemistry</i> , 2018 , 36, 904-908	4.9	10
50	Rare-earth metal hydrides supported by silicon-bridged boratabenzene fluorenyl ligands: synthesis, structure and reactivity. <i>Dalton Transactions</i> , 2017 , 46, 1218-1227	4.3	13
49	Highly Reactive Scandium Phosphinoalkylidene Complex: C-H and H-H Bonds Activation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1081-1084	16.4	40
48	Formation and Reactivity of a C-P-N-Sc Four-Membered Ring: H, O, CO, Phenylsilane, and Pinacolborane Activation. <i>Chemistry - A European Journal</i> , 2017 , 23, 5424-5428	4.8	18
47	Rare-earth metal complexes of β -diketiminato ligands bearing pendant nitrogen or oxygen donors. <i>Coordination Chemistry Reviews</i> , 2017 , 346, 77-90	23.2	25
46	Reactivity of Scandium Terminal Imido Complex toward Boranes: C(sp ³)-B Bond Borylation and B-B Bond Cleavage. <i>Organometallics</i> , 2017 , 36, 4620-4625	3.8	13
45	Nonchelated Phosphoniomethylidene Complexes of Scandium and Lutetium. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17759-17762	16.4	32
44	Synthesis and Reactivity of a Scandium Terminal Hydride: H Activation by a Scandium Terminal Imido Complex. <i>Chemistry - A European Journal</i> , 2017 , 23, 14728-14732	4.8	19
43	Boratabenzene rare-earth metal complexes. <i>Coordination Chemistry Reviews</i> , 2016 , 314, 2-13	23.2	14
42	Non-Pincer-Type Mononuclear Scandium Alkylidene Complexes: Synthesis, Bonding, and Reactivity. <i>Chemistry - A European Journal</i> , 2016 , 22, 1258-61	4.8	33
41	Synthesis and Structure of Silicon-Bridged Boratabenzene Fluorenyl Rare-Earth Metal Complexes. <i>Organometallics</i> , 2016 , 35, 1995-2002	3.8	12
40	Tris(boratabenzene) Lanthanum Complexes: Synthesis, Structure, and Reactivity. <i>Organometallics</i> , 2015 , 34, 3216-3221	3.8	10
39	Substitution reaction of triphenylphosphine oxide with rare-earth metal phosphido methyl complexes. <i>New Journal of Chemistry</i> , 2015 , 39, 7582-7588	3.6	10

38	Mono(boratabenzene) rare-earth metal dialkyl complexes: synthesis, structure and catalytic behaviors for styrene polymerization. <i>Dalton Transactions</i> , 2015 , 44, 5771-6	4.3	16
37	A Scandium Complex Bearing Both Methylidene and Phosphinidene Ligands: Synthesis, Structure, and Reactivity. <i>Organometallics</i> , 2015 , 34, 470-476	3.8	44
36	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, 10894-7	16.4	51
35	Scandium terminal imido complex induced intramolecular C-N bond cleavage and transformation. <i>Science China Chemistry</i> , 2014 , 57, 1098-1105	7.9	8
34	Boron-Oxygen Bond Cleavage of Pinacolborane and Catecholborane Mediated by a Scandium Phosphinidene Complex. <i>Chinese Journal of Chemistry</i> , 2014 , 32, 752-756	4.9	10
33	An yttrium hydride-silane complex as a structural model for a σ -bond metathesis transition state. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4243-6	16.4	30
32	Synthesis and Catalytic Activity of Amido-Boratabenzene Complexes of Rare-Earth Metals and Zirconium and Chromium. <i>Organometallics</i> , 2013 , 32, 6166-6169	3.8	22
31	1-Methyl Boratabenzene Yttrium Alkyl: A Highly Active Catalyst for Dehydrocoupling of $\text{Me}_2\text{NH}-\text{BH}_3$. <i>ACS Catalysis</i> , 2013 , 3, 521-524	13.1	27
30	Chameleon behavior of a newly synthesized scandium nitrilimine derivative. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8165-8	16.4	33
29	Reversible Addition of the $\text{Si}-\text{H}$ Bond of Phenylsilane to the $\text{Sc}=\text{N}$ Bond of a Scandium Terminal Imido Complex. <i>Organometallics</i> , 2013 , 32, 1137-1140	3.8	40
28	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, 14784-96	16.4	68
27	An Yttrium Hydride-Silane Complex as a Structural Model for a σ -Bond Metathesis Transition State. <i>Angewandte Chemie</i> , 2013 , 125, 4337-4340	3.6	11
26	Reactivity of scandium terminal imido complexes towards metal halides. <i>Chemical Communications</i> , 2012 , 48, 3403-5	5.8	40
25	$\text{C}-\text{H}$ or $\text{C}-\text{H}$ Bond Cleavage of Phosphine Oxides Mediated by an Yttrium Hydride. <i>Organometallics</i> , 2012 , 31, 4574-4578	3.8	17
24	Boratazirconenes: cycloheptatrienyl zirconium boratabenzene sandwich complexes: Evaluation of potential η^7 hapticity interconversions. <i>New Journal of Chemistry</i> , 2012 , 36, 1392	3.6	20
23	Reactivity of a Scandium Terminal Imido Complex Towards Unsaturated Substrates. <i>Angewandte Chemie</i> , 2011 , 123, 7819-7822	3.6	23
22	Reactivity of a scandium terminal imido complex towards unsaturated substrates. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7677-80	16.4	84
21	Well-defined soluble P(3-)-containing rare-earth-metal compounds. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11227-9	16.4	43

20	Scandium terminal imido complex induced C-H bond selenation and formation of an Sc-Se bond. <i>Chemical Communications</i> , 2011 , 47, 743-5	5.8	92
19	Rapid Entry to Functionalized Boratabenzene Complexes through Metal-Induced Hydroboration at the Anionic 1-H-Boratabenzene Ligand. <i>Organometallics</i> , 2011 , 30, 4330-4341	3.8	35
18	Versatile Reactivities of ansa-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	3.8	24
17	Yttrium Anilido Hydride: Synthesis, Structure, and Reactivity. <i>Organometallics</i> , 2011 , 30, 5433-5441	3.8	33
16	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	1.6	17
15	Neodymium(III) phosphinidene complexes supported by pentamethylcyclopentadienyl and hydrotris(pyrazolyl)borate ligands. <i>Dalton Transactions</i> , 2010 , 39, 6886-90	4.3	44
14	Synthesis and Structural Features of Boratabenzene Rare-Earth Metal Alkyl Complexes. <i>Organometallics</i> , 2010 , 29, 3722-3728	3.8	27
13	A scandium terminal imido complex: synthesis, structure and DFT studies. <i>Chemical Communications</i> , 2010 , 46, 4469-71	5.8	127
12	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 ¹⁸	2.3	18
11	An unprecedented lanthanide phosphinidene halide: synthesis, structure and reactivity. <i>Chemical Communications</i> , 2008 , 5547-9	5.8	53
10	Divalent Ytterbium Boratabenzene Complex (C ₅ H ₅ BNPh ₂) ₂ Yb(THF) ₂ : Synthesis, Structure, and Solvent-Mediated Redox Transformation. <i>Organometallics</i> , 2008 , 27, 4013-4016	3.8	48
9	Dialkyl lanthanide Complexes Containing New Tridentate Monoanionic Ligands with Nitrogen Donors. <i>Organometallics</i> , 2008 , 27, 758-763	3.8	61
8	Reactions of Boratabenzene Yttrium Complexes with KN(SiMe ₃) ₂ : Salt Elimination and Ligand Displacement. <i>Organometallics</i> , 2008 , 27, 6307-6312	3.8	28
7	An ansa-heteroborabenzene divalent lanthanide amide through C-H bond cleavage. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 9944-7	16.4	46
6	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	3.8	39
5	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	45
4	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	3.8	145
3	Fluoro-Substituted 2,6-Bis(imino)pyridyl Iron and Cobalt Complexes: High-Activity Ethylene Oligomerization Catalysts. <i>Organometallics</i> , 2003 , 22, 1231-1236	3.8	147

2	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	2.3	20
1	Hydrogenation of Alkenes Catalyzed by Rare-earth Metal Phosphinophosphinidene Complexes: 1,2-Addition/elimination vs π -Bond Metathesis Mechanism. <i>CCS Chemistry</i> , 1-25	7.2	0