

Yingming Yao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of Amine-Bridged Bis(phenolate)lanthanide Alkoxides and Their Application in the Controlled Polymerization of <i>rac</i> -Lactide and <i>rac</i> - δ -Butyrolactone. <i>Inorganic Chemistry</i> , 2012, 51, 11133-11143.	4.0	105
2	Synthesis of Rare-Earth Metal Amides Bearing an Imidazolidine-Bridged Bis(phenolato) Ligand and Their Application in the Polymerization of <i>scp</i> -Lactide. <i>Inorganic Chemistry</i> , 2009, 48, 5715-5724.	4.0	102
3	Catalytic production of cyclic carbonates mediated by lanthanide phenolates under mild conditions. <i>Chemical Communications</i> , 2014, 50, 10952.	4.1	99
4	Tris(cyclopentadienyl)lanthanide Complexes as Catalysts for Hydroboration Reaction toward Aldehydes and Ketones. <i>Organic Letters</i> , 2017, 19, 3382-3385.	4.6	91
5	Synthesis and Structural Characterization of β -Diketiminato-Lanthanide Amides and Their Catalytic Activity for the Polymerization of Methyl Methacrylate and μ -Caprolactone. <i>Inorganic Chemistry</i> , 2006, 45, 2175-2183.	4.0	90
6	Synthesis and characterization of amine bridged bis(phenolate) lanthanide aryloxides and their application in the polymerization of lactide. <i>Dalton Transactions</i> , 2010, 39, 6832.	3.3	86
7	Recyclable Single-Component Rare-Earth Metal Catalysts for Cycloaddition of CO ₂ and Epoxides at Atmospheric Pressure. <i>Inorganic Chemistry</i> , 2017, 56, 4568-4575.	4.0	69
8	Carboxylation of terminal alkynes with CO ₂ catalyzed by bis(amidate) rare-earth metal amides. <i>Green Chemistry</i> , 2015, 17, 1675-1682.	9.0	65
9	Cooperative rare earth metal-zinc based heterometallic catalysts for copolymerization of CO ₂ and cyclohexene oxide. <i>Green Chemistry</i> , 2016, 18, 4270-4275.	9.0	64
10	<i>n</i> -Butyllithium catalyzed hydroboration of imines and alkynes. <i>Organic Chemistry Frontiers</i> , 2019, 6, 648-653.	4.5	64
11	Synthesis of Oxazolidinones from Epoxides and Isocyanates Catalyzed by Rare-Earth-Metal Complexes. <i>ChemCatChem</i> , 2015, 7, 1145-1151.	3.7	60
12	Synthesis and Characterization of Salalen Lanthanide Complexes and Their Application in the Polymerization of <i>rac</i> -Lactide. <i>Organometallics</i> , 2013, 32, 2608-2617.	2.3	59
13	Facile syntheses of bimetallic ytterbium bisamides stabilized by a flexible bridged bis(phenolato) ligand and the high activity for the polymerization of l-lactide. <i>Chemical Communications</i> , 2009, , 7414.	4.1	57
14	Novel Mixed-Metal Alkoxide Clusters of Lanthanide and Sodium: Synthesis and Extremely Active Catalysts for the Polymerization of μ -Caprolactone and Trimethylene Carbonate. <i>Inorganic Chemistry</i> , 2007, 46, 7722-7724.	4.0	56
15	<i>n</i> -Butyllithium Catalyzed Selective Hydroboration of Aldehydes and Ketones. <i>Journal of Organic Chemistry</i> , 2018, 83, 10677-10683.	3.2	55
16	Dinuclear Aluminum Poly(phenolate) Complexes as Efficient Catalysts for Cyclic Carbonate Synthesis. <i>Organometallics</i> , 2016, 35, 1707-1712.	2.3	50
17	Conversion of CO ₂ into Cyclic Carbonates under Ambient Conditions Catalyzed by Rare-Earth Metal Complexes Bearing Poly(phenolato) Ligand. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13185-13194.	6.7	49
18	Highly Enantioselective Epoxidation of α,β -Unsaturated Ketones Catalyzed by Rare-Earth Amides [(Me ₃ Si) ₂ N] ₃ RE(η -Cl)Li(THF) ₃ with Phenoxy-Functionalized Chiral Prolinols. <i>Organic Letters</i> , 2015, 17, 2242-2245.	4.6	48

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19	Transformation of Carbon Dioxide into Oxazolidinones and Cyclic Carbonates Catalyzed by Rare-Earth Metal Phenolates. <i>ChemCatChem</i> , 2016, 8, 2466-2471.	3.7	47
20	Conversion of Carbon Dioxide into Oxazolidinones Mediated by Quaternary Ammonium Salts and DBU. <i>ChemCatChem</i> , 2017, 9, 4451-4455.	3.7	47
21	<i>n</i> -BuLi as a Highly Efficient Precatalyst for Hydrophosphonylation of Aldehydes and Unactivated Ketones. <i>Organic Letters</i> , 2014, 16, 6172-6175.	4.6	46
22	Stereo-selectivity switchable ROP of <i>rac</i> - β -butyrolactone initiated by salen-ligated rare-earth metal amide complexes: the key role of the substituents on ligand frameworks. <i>Chemical Communications</i> , 2018, 54, 11998-12001.	4.1	46
23	Bimetallic lanthanide amido complexes as highly active initiators for the ring-opening polymerization of lactides. <i>Dalton Transactions</i> , 2013, 42, 2870-2878.	3.3	45
24	Phosphinoyl-functionalization of unactivated alkenes through phosphinoyl radical-triggered distal functional group migration. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2370-2374.	4.5	45
25	Asymmetric Epoxidation of Unsaturated Ketones Catalyzed by Heterobimetallic Rare Earth-Lithium Complexes Bearing Phenoxy-Functionalized Chiral Diphenylprolinolate Ligand. <i>Organic Letters</i> , 2014, 16, 4516-4519.	4.6	44
26	Highly efficient hydroboration of carbonyl compounds catalyzed by tris(methylcyclopentadienyl)lanthanide complexes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2787-2791.	2.8	44
27	Synthesis of Homo- and Heteronuclear Rare-Earth Metal Complexes Stabilized by Ethanolamine-Bridged Bis(phenolato) Ligands and Their Application in Catalyzing Reactions of CO ₂ and Epoxides. <i>Inorganic Chemistry</i> , 2019, 58, 8775-8786.	4.0	44
28	Synthesis, Reactivity, and Characterization of Sodium and Rare-Earth Metal Complexes Bearing a Dianionic <i>N</i> -Aryloxo-Functionalized β -Ketoiminate Ligand. <i>Inorganic Chemistry</i> , 2008, 47, 9828-9835.	4.0	43
29	Cycloaddition of Aziridine with CO ₂ /CS ₂ Catalyzed by Amidato Divalent Lanthanide Complexes. <i>Journal of Organic Chemistry</i> , 2019, 84, 1951-1958.	3.2	42
30	Synthesis and Characterization of Yttrium and Ytterbium Complexes Supported by Salen Ligands and Their Catalytic Properties for <i>rac</i> -Lactide Polymerization. <i>Organometallics</i> , 2015, 34, 2907-2916.	2.3	41
31	Chemo- and Regioselective Hydroarylation of Alkenes with Aromatic Amines Catalyzed by [Ph ₃ C][B(C ₆ F ₅) ₄]. <i>Organic Letters</i> , 2018, 20, 3101-3104.	4.6	40
32	Aluminum complexes derived from a hexadentate salen-type Schiff base: synthesis, structure, and catalysis for cyclic carbonate synthesis. <i>Dalton Transactions</i> , 2017, 46, 5848-5855.	3.3	38
33	The Reactivity of (CH ₃ C ₅ H ₄) ₂ LnNPh ₂ (THF) (Ln = Y, Yb) with CS ₂ and PhNCS: Synthesis and Crystal Structures. <i>Organometallics</i> , 2002, 21, 2529-2532.	2.3	37
34	Regioselective Hydroboration and Hydrosilylation of N-Heteroarenes Catalyzed by a Zinc Alkyl Complex. <i>Organic Letters</i> , 2020, 22, 5695-5700.	4.6	37
35	Synthesis and Structural Diversity of Heterobimetallic Lanthanide-Potassium Complexes and Catalytic Activity for Amidation of Aldehydes with Amines. <i>Organometallics</i> , 2011, 30, 3588-3595.	2.3	36
36	Synthesis and characterization of rare-earth metal complexes supported by a new pentadentate Schiff base and their application in heteroselective polymerization of <i>rac</i> -lactide. <i>Catalysis Science and Technology</i> , 2015, 5, 3302-3312.	4.1	36

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37	Synthesis and characterization of anionic rare-earth metal amides stabilized by phenoxy-amido ligands and their catalytic behavior for the polymerization of lactide. <i>Dalton Transactions</i> , 2010, 39, 9530.	3.3	34
38	Efficient CO ₂ transformation under ambient condition by heterobimetallic rare earth complexes: Experimental and computational evidences of a synergistic effect. <i>Journal of CO₂ Utilization</i> , 2019, 33, 413-418.	6.8	30
39	Catalyst-Free Approach for Hydroboration of Carboxylic Acids under Mild Conditions. <i>ACS Omega</i> , 2019, 4, 6775-6783.	3.5	30
40	Lanthanide aryloxides catalyzed hydroboration of aldehydes and ketones. <i>Catalysis Communications</i> , 2018, 112, 26-30.	3.3	29
41	Enantioselective Reduction of Ketones Catalyzed by Rare-Earth Metals Complexed with Phenoxy Modified Chiral Prolinols. <i>Journal of Organic Chemistry</i> , 2018, 83, 6093-6100.	3.2	27
42	Synthesis of Group 4 Metal Complexes Stabilized by an Amine-Bridged Bis(phenolato) Ligand and Their Catalytic Behavior in Intermolecular Hydroamination Reactions. <i>Organometallics</i> , 2014, 33, 994-1001.	2.3	26
43	Metal-Free Cycloaddition of Epoxides and Carbon Dioxide Catalyzed by Triazole-Bridged Bisphenol. <i>ChemCatChem</i> , 2020, 12, 4346-4351.	3.7	26
44	Bimetallic amine-bridged bis(phenolate) lanthanide aryloxides and alkoxides: synthesis, characterization, and application in the ring-opening polymerization of rac-lactide and rac- <i>l</i> -butyrolactone. <i>Science China Chemistry</i> , 2014, 57, 1106-1116.	8.2	24
45	Synthesis and Characterization of Dinuclear Lanthanide Rare-Earth Metal Complexes and Their Application in the Homo- and Copolymerization of Cyclic Esters. <i>Inorganic Chemistry</i> , 2018, 57, 9028-9038.	4.0	24
46	Anionic phenoxy-amido rare-earth complexes as efficient catalysts for amidation of aldehydes with amines. <i>RSC Advances</i> , 2015, 5, 94768-94775.	3.6	23
47	Zirconium catalysed intermolecular hydroamination reactions of secondary amines with alkynes. <i>Chemical Communications</i> , 2015, 51, 7633-7636.	4.1	22
48	Synthesis and Characterization of Amidato Divalent Lanthanide Complexes and Their Use in Forming 2,4-Quinazolidinones from CO ₂ and 2-Aminobenzonitriles. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2555-2559.	2.4	22
49	Regioselective addition of C(sp ³)-H bonds of alkyl pyridines to olefins catalysed by cationic zirconium complexes. <i>Chemical Communications</i> , 2017, 53, 7401-7404.	4.1	22
50	Neutral and Cationic Zirconium Complexes Bearing Multidentate Aminophenolato Ligands for Hydrophosphination Reactions of Alkenes and Heterocumulenes. <i>Inorganic Chemistry</i> , 2018, 57, 139-149.	4.0	22
51	Addition of C-H Bonds of Pyridine Derivatives to Alkenes Catalyzed by Zirconium Complexes Bearing Amine-Bridged Bis(phenolato) Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 11788-11800.	4.0	22
52	Synthesis and Characterization of Amine-Bridged Bis(phenolate) Yttrium Guanidates and Their Application in the Ring-Opening Polymerization of 1,4-Dioxan-2-one. <i>Organometallics</i> , 2014, 33, 6803-6811.	2.3	21
53	Synthesis and characterization of rare-earth metal guanidates stabilized by amine-bridged bis(phenolate) ligands and their application in the controlled polymerization of rac-lactide and rac- <i>l</i> -butyrolactone. <i>RSC Advances</i> , 2015, 5, 53161-53171.	3.6	21
54	Synthesis and characterization of bridged bis(amidato) rare earth metal amides and their applications in C-N bond formation reactions. <i>Dalton Transactions</i> , 2016, 45, 3880-3887.	3.3	21

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55	RE[N(SiMe ₃) ₂] ₃ -Catalyzed Guanylation/Cyclization of Amino Acid Esters and Carbodiimides. <i>Journal of Organic Chemistry</i> , 2018, 83, 1154-1159.	3.2	20
56	Heterobimetallic rare earth metal-zinc catalysts for reactions of epoxides and CO ₂ under ambient conditions. <i>Dalton Transactions</i> , 2021, 50, 1453-1464.	3.3	19
57	Zirconium complexes stabilized by amine-bridged bis(phenolato) ligands as precatalysts for intermolecular hydroamination reactions. <i>Dalton Transactions</i> , 2015, 44, 20352-20360.	3.3	18
58	Intermolecular addition of alcohols to carbodiimides catalyzed by rare-earth metal amides. <i>Organic Chemistry Frontiers</i> , 2018, 5, 905-908.	4.5	18
59	A convenient method to prepare random LA/CL copolymers from poly(L-lactide) and ϵ -caprolactone. <i>Science China Chemistry</i> , 2018, 61, 708-714.	8.2	18
60	Synthesis and characterization of amidate rare-earth metal amides and their catalytic activities toward hydrophosphonylation of aldehydes and unactivated ketones. <i>Polyhedron</i> , 2014, 83, 50-59.	2.2	16
61	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.	3.3	16
62	Homoleptic lanthanide metallocenes and their derivatives: syntheses, structural characterization and their catalysis for ring-opening polymerization of ϵ -caprolactone. <i>Applied Organometallic Chemistry</i> , 2006, 20, 310-314.	3.5	15
63	Addition of Terminal Alkynes to Aromatic Nitriles Catalyzed by Divalent Lanthanide Amides Supported by Amidates: Synthesis of Ynones. <i>Synlett</i> , 2013, 24, 1269-1274.	1.8	15
64	Asymmetric Michael addition of malonates to unsaturated ketones catalyzed by rare earth metal complexes bearing phenoxy functionalized chiral diphenylprolinolate ligands. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 911-917.	1.8	15
65	Synthesis of amine-bridged bis(phenolate) rare-earth metal aryloxides and their catalytic performances for the ring-opening polymerization of <i>l</i> -lactic acid <i>l</i> -carboxyanhydride and <i>l</i> -lactide. <i>Dalton Transactions</i> , 2017, 46, 15928-15938.	3.3	15
66	An efficient asymmetric hydrophosphonylation of unsaturated amides catalyzed by rare-earth metal amides [(Me ₃ Si) ₂ N] ₃ RE(η^4 -Cl)Li(THF) ₃ with phenoxy-functionalized chiral prolinols. <i>RSC Advances</i> , 2017, 7, 19306-19311.	3.6	14
67	Addition of Thiols to Isocyanates Catalyzed by Simple Rare-Earth-Metal Amides: Synthesis of <i>S</i> -Alkyl Thiocarbamates and Dithiocarbamates. <i>Organometallics</i> , 2019, 38, 2167-2173.	2.3	13
68	Lanthanum complexes stabilized by a pentadentate Schiff-base ligand: synthesis, characterization, and reactivity in statistical copolymerization of ϵ -caprolactone and <i>l</i> -lactide. <i>Dalton Transactions</i> , 2020, 49, 5842-5850.	3.3	13
69	Calcium-mediated C(sp ³)-H Activation and Alkylation of Alkylpyridines. <i>Inorganic Chemistry</i> , 2021, 60, 5114-5121.	4.0	13
70	Synthesis of η^3 -amidine-functionalized dianionic η^2 -diketiminato lanthanide amides and trianionic η^2 -diketiminato Na/Sm heterobimetallic complexes and their reactivity in polymerization of <i>l</i> -lactide. <i>Dalton Transactions</i> , 2014, 43, 5586.	3.3	12
71	An amidato divalent ytterbium cluster: synthesis and molecular structure, its reactivity to carbodiimides and application in the guanylation reaction. <i>Dalton Transactions</i> , 2017, 46, 6031-6038.	3.3	12
72	Bimetallic Arylamide-Ligated Rare-Earth Metal Complexes: Synthesis, Characterization, and Stereo-Selectively Switchable Property in 2-Vinylpyridine Polymerization. <i>Inorganic Chemistry</i> , 2020, 59, 3132-3141.	4.0	12

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73	Synthesis and molecular structures of divalent bridged bis(guanidinate) europium complexes and their application in intermolecular hydrophosphination of alkenes and alkynes. <i>New Journal of Chemistry</i> , 2016, 40, 10447-10454.	2.8	11
74	Intramolecular hydroamination reactions catalyzed by zirconium complexes bearing bridged bis(phenolato) ligands. <i>RSC Advances</i> , 2016, 6, 10541-10548.	3.6	11
75	Synthesis, Characterization, and Catalytic Study of Amine-Bridged Bis(phenolato) Co(II) and Co(II/III)-M(I) Complexes (M = K or Na). <i>Inorganic Chemistry</i> , 2021, 60, 11521-11529.	4.0	11
76	Câ€”N Bond Formation Reaction Catalyzed by Organo-Rare-Earth Metal Amides. <i>Chinese Journal of Organic Chemistry</i> , 2015, 35, 1598.	1.3	11
77	Cycloaddition of di-substituted epoxides and CO ₂ under ambient conditions catalysed by rare-earth poly(phenolate) complexes. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2969-2979.	6.0	11
78	Synthesis and characterization of bis(amidate) rare-earth metal amides and their application in catalytic addition of amines to carbodiimides. <i>New Journal of Chemistry</i> , 2015, 39, 7667-7671.	2.8	10
79	A Multicomponent Approach to Oxazolidinone Synthesis Catalyzed by Rareâ€”Earth Metal Amides. <i>ChemCatChem</i> , 2019, 11, 5783-5787.	3.7	10
80	Hydrophosphination of alkenes and alkynes with primary phosphines catalyzed by zirconium complexes bearing aminophenolato ligands. <i>Dalton Transactions</i> , 2018, 47, 9090-9095.	3.3	9
81	Rare-Earth Metal Complexes Supported by Polydentate Phenoxy-Type Ligand Platforms: Câ€”H Activation Reactivity and CO ₂ /Epoxide Copolymerization Catalysis. <i>Inorganic Chemistry</i> , 2020, 59, 16976-16987.	4.0	9
82	Heterobimetallic Lanthanideâ€”Sodium Alkoxides Catalyze the Amidation of Esters. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 810-814.	2.7	8
83	Directingâ€”Groupâ€”Free C7â€”Alkylations of Nâ€”Alkylindoles Mediated by Cationic Zirconium Complexes: Role of Brønsted Acid for Catalytic Manifold. <i>Chemistry - A European Journal</i> , 2019, 25, 7292-7297.	3.3	8
84	Alternating copolymerization of CO ₂ and cyclohexene oxide initiated by rare-earth metal complexes stabilized by o-phenylenediamine-bridged tris(phenolate) ligand. <i>Journal of Rare Earths</i> , 2021, , .	4.8	8
85	Lanthanide complexes combined with chiral salen ligands: application in the enantioselective epoxidation reaction of Î±,Î²-unsaturated ketones. <i>RSC Advances</i> , 2019, 9, 13749-13756.	3.6	7
86	Facile amidation of esters with aromatic amines promoted by lanthanide tris (amide) complexes. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5517.	3.5	7
87	Syntheses of Heterometallic Neodymiumâ€”Zinc Complexes and Their Performance in the Copolymerization of CO ₂ and Cyclohexene Oxide. <i>Inorganic Chemistry</i> , 2022, 61, 10373-10382.	4.0	7
88	Calcium-catalyzed C(sp)-H silylation of terminal alkynes with hydrosilanes. <i>Polyhedron</i> , 2022, 218, 115771.	2.2	6
89	Bifunctional Rareâ€”Earth Metal Catalysts for Conversion of CO ₂ and Epoxides into Cyclic Carbonates. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	6
90	Stoichiometric reactions and catalytic dehydrogenations of amineâ€”boranes with calcium aryloxide. <i>Chemical Communications</i> , 2019, 55, 9152-9155.	4.1	5

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91	Asymmetric epoxidation of α,β -unsaturated ketones catalyzed by rare-earth metal amides RE[N(SiMe ₃) ₂] ₃ with chiral TADDOL ligands. <i>New Journal of Chemistry</i> , 2021, 45, 1043-1053.	2.8	5
92	Synthesis of <i>N</i> -Methyl- <i>o</i> -phenylenediamine-Bridged Bis(phenolato) Lanthanide Alkoxides and Their Catalytic Performance for the (Co)Polymerization of <i>rac</i> -Butyrolactone and <i>l</i> -Lactide. <i>Inorganic Chemistry</i> , 2022, 61, 9918-9929.	4.0	5
93	Synthesis of Benzoxazine Functionalized <i>Amine</i> -Bridged Bis(phenolato) Rare Earth Complexes and Their Application in <i>Ring</i> -Opening Polymerization of <i>l</i> -Lactide. <i>Chinese Journal of Chemistry</i> , 2022, 40, 2516-2524.	4.9	5
94	Rare-earth metal derivatives supported by aminophenoxy ligand: Synthesis, characterization and catalytic performance in lactide polymerization. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5296.	3.5	2
95	Synthesis and structural characterization of lanthanide monoborohydride complexes supported by 2-tertbutylphenyl substituted β^2 -diketiminate, and their application in the ring-opening polymerization of lactide. <i>Journal of Organometallic Chemistry</i> , 2021, 934, 121662.	1.8	2
96	Aluminium complexes supported by a thioether-bridged salen ligand: synthesis, characterization and application in μ -caprolactone homopolymerization and copolymerization with L-lactide. <i>Journal of Organometallic Chemistry</i> , 2021, 951, 122007.	1.8	2
97	Synthesis and characterization of Al (III)-Zn (II) heterometallic complex and the application in <i>ring</i> -opening polymerization of cyclohexene oxide. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	3.5	2