

Bao-Tsan Ko Ko

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Highly Efficient Catalyst for the ϵ -Living and ϵ -Immortal Polymerization of ϵ -Caprolactone and L-Lactide. <i>Macromolecules</i> , 2001, 34, 6196-6201.	4.8	203
2	Binolate complexes of lithium, zinc, aluminium, and titanium; preparations, structures, and studies of lactide polymerization. <i>Dalton Transactions</i> , 2003, , 406-412.	3.3	141
3	Efficient ϵ -Living and ϵ -Immortal Polymerization of Lactones and Diblock Copolymer of ϵ -CL and ϵ -VL Catalyzed by Aluminum Alkoxides. <i>Macromolecules</i> , 1999, 32, 8296-8300.	4.8	134
4	Ring-Opening Polymerization of ϵ -Caprolactone and L-Lactide Using Aluminum Thiolates as Initiator. <i>Macromolecules</i> , 2001, 34, 356-361.	4.8	99
5	Tridentate anilido ϵ -aldimine magnesium and zinc complexes as efficient catalysts for ring-opening polymerization of ϵ -caprolactone and ϵ -lactide. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4927-4936.	2.3	79
6	Bimetallic bis(benzotriazole iminophenolate) cobalt, nickel and zinc complexes as versatile catalysts for coupling of carbon dioxide with epoxides and copolymerization of phthalic anhydride with cyclohexene oxide. <i>Catalysis Science and Technology</i> , 2016, 6, 1779-1791.	4.1	73
7	Preparation, Characterization, and Reactions of [(EDBP)Al(ϵ -O <i>i</i> Pr)] ₂ , a Novel Catalyst for MPV Hydrogen Transfer Reactions. <i>Organometallics</i> , 2000, 19, 1864-1869.	2.3	61
8	Metal complexes containing nitrogen-heterocycle based aryloxide or arylamido derivatives as discrete catalysts for ring-opening polymerization of cyclic esters. <i>Dalton Transactions</i> , 2016, 45, 17557-17580.	3.3	60
9	Facile Synthesis of Well-Defined Titanium Alkoxides Based on Benzotriazole Phenoxide Ligands: Efficient Catalysts for Ring-Opening Polymerization of Cyclic Esters. <i>Organometallics</i> , 2013, 32, 172-180.	2.3	59
10	Oxo-Bridged Bimetallic Group 4 Complexes Bearing Amine-Bis(benzotriazole phenolate) Derivatives as Bifunctional Catalysts for Ring-Opening Polymerization of Lactide and Copolymerization of Carbon Dioxide with Cyclohexene Oxide. <i>Organometallics</i> , 2014, 33, 7091-7100.	2.3	58
11	Ring-opening polymerization of cyclic esters initiated by zirconium, titanium and yttrium complexes. <i>RSC Advances</i> , 2014, 4, 14527.	3.6	58
12	Polymeric Crystallization under Nanoscale 2D Spatial Confinement. <i>Macromolecules</i> , 2010, 43, 6237-6240.	4.8	49
13	Synthesis, characterization and reactivity of single-site aluminium amides bearing benzotriazole phenoxide ligands: catalysis for ring-opening polymerization of lactide and carbon dioxide/propylene oxide coupling. <i>Dalton Transactions</i> , 2013, 42, 11488.	3.3	47
14	Bis(diphenylphosphino)acetylene as Bifunctional Ligand in Dicobalt Carbonyl Complexes. <i>Organometallics</i> , 2002, 21, 961-967.	2.3	45
15	Structurally Diverse Copper Complexes Bearing NNO-Tridentate Schiff-Base Derivatives as Efficient Catalysts for Copolymerization of Carbon Dioxide and Cyclohexene Oxide. <i>Inorganic Chemistry</i> , 2014, 53, 5109-5116.	4.0	44
16	Reduction of Aldehydes and Ketones Catalyzed by a Novel Aluminum Alkoxide: Mechanistic Studies of Meerwein-Ponndorf-Verley Reaction. <i>Organometallics</i> , 2002, 21, 2066-2069.	2.3	43
17	Microporous 2D indium metal-organic frameworks for selective CO ₂ capture and their application in the catalytic CO ₂ -cycloaddition of epoxides. <i>Dalton Transactions</i> , 2018, 47, 9474-9481.	3.3	42
18	Copolymerization of Carbon Dioxide with Epoxides Catalyzed by Structurally Well-Characterized Dinickel Bis(benzotriazole iminophenolate) Complexes: Influence of Carboxylate Ligands on the Catalytic Performance. <i>Inorganic Chemistry</i> , 2017, 56, 6141-6151.	4.0	41

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19	Trimetallic magnesium complexes bearing amine-bis(benzotriazole phenolate) derivatives as bifunctional catalysts for ring-opening polymerization and CO ₂ /epoxide coupling. <i>Chemical Communications</i> , 2012, 48, 9628.	4.1	40
20	Bimetallic nickel and cobalt complexes as high-performance catalysts for copolymerization of carbon dioxide with cyclohexene oxide. <i>Polymer Chemistry</i> , 2014, 5, 4875-4878.	3.9	40
21	Alternating copolymerization of epoxides with carbon dioxide or cyclic anhydrides using bimetallic nickel and cobalt catalysts: Preparation of hydrophilic nanofibers from functionalized polyesters. <i>Polymer</i> , 2018, 141, 1-11.	3.8	39
22	Ring-opening polymerization of ϵ -butyrolactone catalyzed by efficient magnesium and zinc complexes derived from tridentate anilido-imine ligand. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5339-5347.	2.3	35
23	Synthesis and characterization of trimetallic cobalt, zinc and nickel complexes containing amine-bis(benzotriazole phenolate) ligands: efficient catalysts for coupling of carbon dioxide with epoxides. <i>Dalton Transactions</i> , 2017, 46, 15399-15406.	3.3	35
24	Mercury Complexes of meso-Tetra-(p-cyanophenyl)porphyrin and N-methylporphyrin: A meso-Tetra-(p-cyanophenyl)porphyrin-mercury(II) and Chloro(N-methyl-meso-)Tetra-(p-cyanophenyl)porphyrin-mercury(II) Complexes. <i>Journal of Inorganic Chemistry</i> , 2017, 53, 700-704.	3.7	34
25	Bimetallic Nickel Complexes that Bear Diamine-Bis(Benzotriazole Phenolate) Derivatives as Efficient Catalysts for the Copolymerization of Carbon Dioxide with Epoxides. <i>ChemCatChem</i> , 2016, 8, 984-991.	3.7	33
26	Reactions of amides with organoaluminium: a useful synthetic route to aluminium diketimines. <i>Dalton Transactions RSC</i> , 2001, , 1359-1365.	2.3	32
27	Efficient catalysts for ring-opening polymerization of ϵ -caprolactone and ϵ -butyrolactone: Synthesis and characterization of zinc complexes based on benzotriazole phenoxide ligands. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4027-4036.	2.3	32
28	Air-stable copper derivatives as efficient catalysts for controlled lactide polymerization: Facile synthesis and characterization of well-defined benzotriazole phenoxide copper complexes. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3840-3849.	2.3	32
29	Facilely synthesized benzotriazole phenolate zirconium complexes as versatile catalysts for copolymerization of carbon dioxide with cyclohexene oxide and lactide polymerization. <i>Dalton Transactions</i> , 2015, 44, 598-607.	3.3	31
30	Dinuclear and Trinuclear Nickel Complexes as Effective Catalysts for Alternating Copolymerization on Carbon Dioxide and Cyclohexene Oxide. <i>Inorganic Chemistry</i> , 2016, 55, 7843-7851.	4.0	27
31	Conformation of Heterocycles Controlled by the Existence of Unusual C-H...X Hydrogen Bonds: A Syntheses and Structure Determination of Aluminum Aryloxides. <i>Inorganic Chemistry</i> , 2000, 39, 1463-1469.	4.0	24
32	Alternating Copolymerization of Carbon Dioxide with Epoxides Using Highly Active Dinuclear Nickel Complexes: Catalysis and Kinetics. <i>Inorganic Chemistry</i> , 2021, 60, 852-865.	4.0	23
33	Magnesium complexes incorporated by sulfonate phenoxide ligands as efficient catalysts for ring-opening polymerization of ϵ -caprolactone and trimethylene carbonate. <i>Journal of Polymer Science Part A</i> , 2010, 48, 3564-3572.	2.3	22
34	Copolymerization of carbon dioxide with cyclohexene oxide catalyzed by bimetallic dysprosium complexes containing hydrazine-functionalized Schiff-base derivatives. <i>Journal of Polymer Science Part A</i> , 2017, 55, 321-328.	2.3	22
35	Synthesis and characterization of di-nuclear bis(benzotriazole iminophenolate) cobalt complexes: catalysis for the copolymerization of carbon dioxide with epoxides. <i>Dalton Transactions</i> , 2019, 48, 12239-12249.	3.3	22
36	Helical Phase Driven by Solvent Evaporation in Self-Assembly of Poly(4-vinylpyridine)- <i>block</i> -poly(<i>l</i> -lactide) Chiral Block Copolymers. <i>Macromolecules</i> , 2012, 45, 9727-9733.	4.8	21

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37	Nickel-Catalyzed Coupling of Carbon Dioxide with Cyclohexene Oxide by Well-Characterized Bis(N-Heterocyclic Carbene) Carbazolide Complexes. <i>Organometallics</i> , 2017, 36, 291-297.	2.3	21
38	Highly active bimetallic nickel catalysts for alternating copolymerization of carbon dioxide with epoxides. <i>Polymer Chemistry</i> , 2020, 11, 3225-3236.	3.9	20
39	Synthesis of functional CO ₂ -based polycarbonates via dinuclear nickel nitrophenolate-based catalysis for degradable surfactant and drug-loaded nanoparticle applications. <i>Polymer Chemistry</i> , 2021, 12, 1244-1259.	3.9	20
40	Benzotriazole Phenoxide Hafnium Complexes as Efficient Catalysts for the Ring-Opening Polymerization of Lactide: Synthesis, Characterization, and Kinetics of Polymerization Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1239-1248.	2.0	19
41	Preparation and Characterization of Aluminum Alkoxides and their Application to Ring-Opening Polymerization of ϵ -Caprolactones. <i>Journal of the Chinese Chemical Society</i> , 2000, 47, 1185-1190.	1.4	18
42	Synthesis and characterization of aluminum complexes based on amino-benzotriazole phenoxide ligand: luminescent properties and catalysis for ring-opening polymerization. <i>Applied Organometallic Chemistry</i> , 2012, 26, 518-527.	3.5	18
43	Carbon Dioxide-Derived Biodegradable and Cationic Polycarbonates as a New siRNA Carrier for Gene Therapy in Pancreatic Cancer. <i>Nanomaterials</i> , 2021, 11, 2312.	4.1	17
44	Evaluation of structural transformation in 2D metal-organic frameworks based on a 4,4'-sulfonyldibenzoate linker: microwave-assisted solvothermal synthesis, characterization and applications. <i>CrystEngComm</i> , 2014, 16, 9308-9319.	2.6	16
45	Di-nuclear zinc complexes containing tridentate imino-benzotriazole phenolate derivatives as efficient catalysts for ring-opening polymerization of cyclic esters and copolymerization of phthalic anhydride with cyclohexene oxide. <i>Journal of Polymer Science Part A</i> , 2016, 54, 714-725.	2.3	16
46	Nickel-catalyzed copolymerization of carbon dioxide with internal epoxides by di-nuclear bis(benzotriazole iminophenolate) complexes. <i>European Polymer Journal</i> , 2019, 120, 109224.	5.4	14
47	Air-stable di-nuclear yttrium complexes as versatile catalysts for lactide polymerization and copolymerization of epoxides with carbon dioxide or phthalic anhydride. <i>Polymer</i> , 2019, 167, 21-30.	3.8	14
48	Mono- and dinuclear copper complexes coordinated on NNO-tridentate Schiff-base derivatives for copolymerization of cyclohexene oxide and cyclic anhydrides. <i>Dalton Transactions</i> , 2019, 48, 4667-4676.	3.3	12
49	Linking Two Alkyne-Bridged Dicobalt Complexes via a Urea-Based Ligand: Synthesis and Spectroscopic and Structural Characterization of $[\{Co_2(CO)_6(\eta^5-C_5H_4C_2N_2)\}-CH_2NH]_2CO$. <i>Inorganic Chemistry</i> , 2001, 40, 5487-5488.	4.0	11
50	Bimetallic Nickel Complexes Containing Benzotriazole-Derived Diamine-Bisphenolate Ligands as Highly Active Catalysts for the Copolymerization of Carbon Dioxide with Cyclohexene Oxide: Synthesis, Catalysis, and Kinetics. <i>Organometallics</i> , 0, .	2.3	10
51	Dinuclear Nickel and Cobalt Complexes Containing Biocompatible Carboxylate Derivatives as Effective Catalysts for Coupling of Carbon Dioxide with Epoxides: Synthesis, Characterization, and Catalysis. <i>Organometallics</i> , 2022, 41, 594-605.	2.3	9
52	Metal Complexes of N-p-Nitrobenzoylamido-meso-tetraphenylporphyrin: Δ -Acetato-N-p-nitrobenzoylimido-meso-tetraphenylporphyrinatothallium(III) and N-p-Nitrobenzoylimido-meso-tetraphenylporphyrinatonicel(II). <i>Inorganic Chemistry</i> , 2001, 40, 2905-2909.	4.0	8
53	Significant enhancement of catalytic properties in mononuclear yttrium complexes by nitrophenolate-type ligands: Synthesis, structure, and catalysis for lactide polymerization. <i>Journal of Polymer Science Part A</i> , 2019, 57, 2038-2047.	2.3	7
54	Thermal and Mechanical Properties of CO ₂ -Based Biodegradable Poly(cyclohexene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (carbon Polymers and the Environment, 2019, 27, 1065-1070.	5.0	7

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55	Hierarchically Porous Carbon Materials from Self-Assembled Block Copolymer/Dopamine Mixtures. <i>Langmuir</i> , 2020, 36, 11754-11764.	3.5	7
56	Catalysis and kinetics for alternating copolymerization of carbon dioxide with epoxides using dinuclear nickel catalysts of pyrazolyl based diamine-bisphenolate ligands. <i>Polymer</i> , 2020, 200, 122553.	3.8	6
57	Formation of Alkyne Bridged Multicobalt Carbonyl Complexes with Tris(2- θ -Thienyl)Phosphine or Bis(Trimethylsilylethynyl)Phenylphosphine Ligand. <i>Journal of the Chinese Chemical Society</i> , 2002, 49, 509-515.	1.4	5
58	Titanium, aluminum and zinc complexes containing diamine-bis(benzotriazole phenolate) ligands: Synthesis, structural characterization and catalytic studies for ring-opening polymerization of ϵ -caprolactone. <i>Journal of Molecular Structure</i> , 2017, 1134, 395-403.	3.6	5
59	Ionic cobalt complexes derived from an amine-bis(benzotriazole phenolate) ligand as bifunctional catalysts for copolymerization of epoxides and anhydrides. <i>Polymer</i> , 2021, 228, 123928.	3.8	3
60	Ring-Opening Polymerization of ϵ -Caprolactone and Styrene Oxide CO_2 Coupling Reactions Catalyzed by Chelated Dehydroacetic Acid-Imine Aluminum Complexes. <i>Molecules</i> , 2022, 27, 164.	3.8	2
61	Synthesis and structures of tantalum chloride and tantalum aryloxide compounds bearing bidentate and tridentate pyrrole-amine ligands. <i>Journal of the Chinese Chemical Society</i> , 0, , .	1.4	0