## Bun Yeoul Lee

List of Publications by Year in descending order

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116 4,190 33 60
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118 118 2677
all docs docs citations times ranked citing authors

#	Article	IF	CITATIONS
1	Syntheses of Silylene-Bridged Thiophene-Fused Cyclopentadienyl ansa-Metallocene Complexes for Preparing High-Performance Supported Catalyst. Catalysts, 2022, 12, 283.	1.6	4
2	Replacement of the Common Chromium Source CrCl3(thf)3 with Well-Defined [CrCl2( $\hat{1}$ /4-Cl)(thf)2]2. Molecules, 2021, 26, 1167.	1.7	7
3	Theoretical Study on Epoxide Ring-opening in CO2/Epoxide Copolymerization Catalyzed by Bifunctional Salen-Type Cobalt(III) Complexes: Influence of Stereoelectronic Factors. Catalysts, 2021, 11, 328.	1.6	10
4	Preparation of High-Purity Ammonium Tetrakis(pentafluorophenyl)borate for the Activation of Olefin Polymerization Catalysts. Molecules, 2021, 26, 2827.	1.7	6
5	Preparation of Extremely Active Ethylene Tetramerization Catalyst [iPrN(PAr2)2â^CrCl2]+[B(C6F5)4]– (Ar = â^C6H4-p-SiR3). Catalysts, 2021, 11, 1122.	1.6	6
6	Preparation of double-metal cyanide catalysts with H3Co(CN)6 for propylene oxide homo- and CO2-copolymerization. Journal of CO2 Utilization, 2021, 53, 101755.	3.3	10
7	CO2/Propylene Oxide Copolymerization with a Bifunctional Catalytic System Composed of Multiple Ammonium Salts and a Salen Cobalt Complex Containing Sulfonate Anions. Macromolecular Research, 2021, 29, 855-863.	1.0	4
8	Selective Trimerization of $\hat{l}_{\pm}$ -Olefins with Immobilized Chromium Catalyst for Lubricant Base Oils. Catalysts, 2020, 10, 990.	1.6	13
9	Microbial Production of Retinyl Palmitate and Its Application as a Cosmeceutical. Antioxidants, 2020, 9, 1130.	2.2	10
10	Styrene Moiety-Carrying Diorganozinc Compound Preparation for Polystyrene-Poly(ethylene- <i>co</i> -1-hexene)-Polystyrene Triblock Copolymer Production. Macromolecules, 2020, 53, 7274-7284.	2.2	14
11	Theoretical study on preference of open polymer vs. cyclic products in CO2/epoxide copolymerization with cobalt(III)-salen bifunctional catalysts. Journal of Molecular Modeling, 2020, 26, 113.	0.8	8
12	Preparation of Pyridylamido Hafnium Complexes for Coordinative Chain Transfer Polymerization. Polymers, 2020, 12, 1100.	2.0	1
13	Crystallinity in quasiâ€alternating cycloolefin copolymers: Overcoming brittleness. Journal of Polymer Science, 2020, 58, 1253-1261.	2.0	3
14	Polystyrene Chain Growth Initiated from Dialkylzinc for Synthesis of Polyolefin-Polystyrene BlockÁCopolymers. Polymers, 2020, 12, 537.	2.0	6
15	Comparison of Scaffolds Fabricated via 3D Printing and Salt Leaching: In Vivo Imaging, Biodegradation, and Inflammation. Polymers, 2020, 12, 2210.	2.0	8
16	Preparation of Half- and Post-Metallocene Hafnium Complexes with Tetrahydroquinoline and Tetrahydrophenanthroline Frameworks for Olefin Polymerization. Polymers, 2019, 11, 1093.	2.0	4
17	Extremely Active Ethylene Tetramerization Catalyst Avoiding the Use of Methylaluminoxane: [iPrN{P(C <sub>6</sub> H <sub>4</sub> â€xi>pâ€siR <sub>3</sub> ) <sub>2</sub> } <sub>2</sub> }ChemCatChem, 2019, 11, 4351-4359.	>2<⊈s&ub>]	<s<b>uip&gt;+</s<b>
18	MAOâ€free and extremely active catalytic system for ethylene tetramerization. Applied Organometallic Chemistry, 2019, 33, e4829.	1.7	14

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19	Preparation of Pincer Hafnium Complexes for Olefin Polymerization. Molecules, 2019, 24, 1676.	1.7	6
20	Synthesis of Long-Chain Branched Polyolefins by Coordinative Chain Transfer Polymerization. Macromolecules, 2019, 52, 9311-9320.	2.2	32
21	An injectable, electrostatically interacting drug depot for the treatment of rheumatoid arthritis. Biomaterials, 2018, 154, 86-98.	5.7	19
22	Peroxide-Mediated Alkyl–Alkyl Coupling of Dialkylzinc: A Useful Tool for Synthesis of ABA-Type Olefin Triblock Copolymers. Macromolecules, 2018, 51, 4821-4828.	2.2	15
23	Thermoresponsive and Biodegradable Amphiphilic Block Copolymers with Pendant Functional Groups. Tissue Engineering and Regenerative Medicine, 2018, 15, 393-402.	1.6	11
24	Exploring the conformational space of cobalt(III) $\hat{a}$ e"salen catalyst for CO 2 /epoxide copolymerization: Effect of quaternary ammonium salts on preference of alternative isomers. Journal of Computational Chemistry, 2018, 39, 1854-1867.	1.5	11
25	Preparation of polystyrene–polyolefin multiblock copolymers by sequential coordination and anionic polymerization. RSC Advances, 2017, 7, 5948-5956.	1.7	19
26	Efficient synthesis of organic carbonates and poly(1,4â€butylene carbonateâ€ <i>co</i> â€ŧerephthalate)s. Journal of Applied Polymer Science, 2017, 134, .	1.3	8
27	Methylaluminoxane-Free Chromium Catalytic System for Ethylene Tetramerization. ACS Omega, 2017, 2, 765-773.	1.6	31
28	Self-Organized Nanosalts of Pd(II)-Ammonium-Tethered Carboxylic Acid for the Synthesis of Antifouling Polyketones. ACS Sustainable Chemistry and Engineering, 2017, 5, 9657-9661.	3.2	8
29	Biaxial Chain Growth of Polyolefin and Polystyrene from 1,6-Hexanediylzinc Species for Triblock Copolymers. Macromolecules, 2017, 50, 6606-6616.	2.2	28
30	Nanoseeded Catalytic Terpolymerization of CO, Ethylene, and Propylene by Size-Controlled SiO <sub>2</sub> @Sulfonated Microporous Organic Polymer. Industrial & Engineering Chemistry Research, 2017, 56, 10235-10241.	1.8	6
31	Preparation of "Constrained Geometry―Titanium Complexes of [1,2]Azasilinane Framework for Ethylene/1-Octene Copolymerization. Molecules, 2017, 22, 258.	1.7	12
32	Preparation of Pendant Group-Functionalized Diblock Copolymers with Adjustable Thermogelling Behavior. Polymers, 2017, 9, 239.	2.0	4
33	Polystyrene Chain Growth from Di-End-Functional Polyolefins for Polystyrene-Polyolefin-Polystyrene Block Copolymers. Polymers, 2017, 9, 481.	2.0	12
34	Chopping highâ€molecular weight poly(1,4â€butylene carbonateâ€ <i>co</i> â€aromatic ester)s for macropolyol synthesis. Journal of Applied Polymer Science, 2016, 133, .	1.3	11
35	Synthesis of polyolefinâ€ <i>block</i> â€polystyrene through sequential coordination and anionic polymerizations. Journal of Polymer Science Part A, 2016, 54, 3110-3118.	2.5	19
36	Hollow and Microporous Organic Polymers Bearing Sulfonic Acids: Antifouling Seed Materials for Polyketone Synthesis. ACS Macro Letters, 2016, 5, 1322-1326.	2.3	33

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37	Preparation of zwitterion-type chromium(II) complexes for ethylene oligomerization. Journal of Organometallic Chemistry, 2016, 803, 13-20.	0.8	10
38	Anchoring sulfonic acid on silica surface through Si C bond for immobilization of catalyst for polyketone synthesis. Catalysis Today, 2016, 265, 77-83.	2.2	13
39	Branched poly(1,4-butylene carbonate- <i>co</i> -terephthalate)s: LDPE-like semicrystalline thermoplastics. Journal of Polymer Science Part A, 2015, 53, 914-923.	2.5	16
40	Preparation of octahydro- and tetrahydro-[1,10]phenanthroline zirconium and hafnium complexes for olefin polymerization. Dalton Transactions, 2015, 44, 3845-3855.	1.6	13
41	A chromium precursor for the Phillips ethylene trimerization catalyst: (2-ethylhexanoate) <sub>2</sub> CrOH. Dalton Transactions, 2015, 44, 11004-11012.	1.6	25
42	Copolymerization and terpolymerization of carbon dioxide/propylene oxide/phthalic anhydride using a (salen)Co(III) complex tethering four quaternary ammonium salts. Beilstein Journal of Organic Chemistry, 2014, 10, 1787-1795.	1.3	65
43	1,3-Butadiene polymerization using binary, ternary and quaternary cobalt catalysts for high 1,4-transpolybutadiene. Polymer, 2014, 55, 6483-6487.	1.8	12
44	Preparation of macrodiols and polyols by chopping highâ€molecularâ€weight aliphatic polycarbonates. Journal of Polymer Science Part A, 2014, 52, 1570-1580.	2.5	13
45	Concerning the chromium precursor CrCl3(THF)3. Inorganic Chemistry Communication, 2014, 44, 148-150.	1.8	21
46	Preparation of ansa-metallocenes for production of poly( $\hat{l}_{\pm}$ -olefin) lubricants. Dalton Transactions, 2014, 43, 10132.	1.6	28
47	Preparation of [bis(amido)-phosphine] and [amido-phosphine sulfide or oxide] hafnium and zirconium complexes for olefin polymerization. Journal of Organometallic Chemistry, 2014, 772-773, 172-181.	0.8	12
48	Preparation of Phosphine-Amido Hafnium and Zirconium Complexes for Olefin Polymerization. Organometallics, 2013, 32, 7357-7365.	1.1	22
49	Preparation of high-molecular-weight poly(1,4-butylene carbonate-co-terephthalate) and its thermal properties. RSC Advances, 2013, 3, 25823.	1.7	28
50	Ring-opening metathesis polymerization of dicyclopentadiene and tricyclopentadiene. Macromolecular Research, 2013, 21, 114-117.	1.0	12
51	1,5,7â€Triazabicyclo[4.4.0]decâ€1â€eneâ€Mediated Acetylene Dicarboxylation and Alkyne Carboxylation Using Carbon Dioxide. European Journal of Organic Chemistry, 2013, 2013, 1867-1871.	1.2	46
52	CO <sub>2</sub> /ethylene oxide copolymerization and ligand variation for a highly active salenâ€"cobalt( <scp>iii</scp> ) complex tethering 4 quaternary ammonium salts. Dalton Transactions, 2013, 42, 9245-9254.	1.6	37
53	Preparation of High-Molecular-Weight Aliphatic Polycarbonates by Condensation Polymerization of Diols and Dimethyl Carbonate. Macromolecules, 2013, 46, 3301-3308.	2.2	124
54	Double metal cyanide catalyst prepared using H <sub>3</sub> Co(CN) <sub>6</sub> for high carbonate fraction and molecular weight control in carbon dioxide/propylene oxide copolymerization. Journal of Polymer Science Part A, 2013, 51, 4811-4818.	2.5	41

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55	Unusual coordination mode of tetradentate Schiff base cobalt( <scp>iii</scp> ) complexes. Dalton Transactions, 2012, 41, 1444-1447.	1.6	33
56	Preparation of thermoplastic polyurethanes using in situ generated poly(propylene carbonate)-diols. Polymer Chemistry, 2012, 3, 1215.	1.9	76
57	Efficient Method for Varying the Anions in Quaternary Onium Halides. European Journal of Organic Chemistry, 2012, 2012, 3566-3569.	1.2	6
58	Incorporation of ether linkage in CO2/propylene oxide copolymerization by dual catalysis. Polyhedron, 2012, 32, 90-95.	1.0	30
59	Butadiene Polymerization Catalyzed by Tri(aryloxo)aluminum Adduct of Cobalt Acetate. Bulletin of the Korean Chemical Society, 2012, 33, 4028-4034.	1.0	4
60	Preparation of flame-retarding poly(propylene carbonate). Green Chemistry, 2011, 13, 3469.	4.6	78
61	Making the gradient. Nature Chemistry, 2011, 3, 505-507.	6.6	30
62	Connection of polymer chains using diepoxide in CO2/propylene oxide copolymerizations. Polymer Chemistry, 2011, 2, 950.	1.9	55
63	Preparation of cycloolefin copolymers of a bulky tricyclopentadiene. Journal of Polymer Science Part A, 2011, 49, 938-944.	2.5	17
64	Morphology Control of Polymer Particles in Ethylene/Carbon Monoxide Copolymerization. Angewandte Chemie - International Edition, 2011, 50, 10932-10935.	7.2	12
65	Preparation of half-titanocenes of thiophene-fused trimethylcyclopentadienyl ligands and their ethylene copolymerization reactivity. Journal of Organometallic Chemistry, 2011, 696, 2451-2456.	0.8	9
66	Generation behavior of elctricity in a microbial fuel cell. Korean Journal of Chemical Engineering, 2010, 27, 546-550.	1.2	1
67	Immortal CO <sub>2</sub> /Propylene Oxide Copolymerization: Precise Control of Molecular Weight and Architecture of Various Block Copolymers. Macromolecules, 2010, 43, 7398-7401.	2.2	141
68	Thermal and weathering degradation of poly(propylene carbonate). Polymer Degradation and Stability, 2010, 95, 1039-1044.	2.7	50
69	Anion variation on a cobalt(iii) complex of salen-type ligand tethered by four quaternary ammonium salts for CO2/epoxide copolymerization. Dalton Transactions, 2010, 39, 2622.	1.6	80
70	Preparation of a Bulky Cycloolefin/Ethylene Copolymer and Its Tensile Properties. Macromolecules, 2010, 43, 725-730.	2.2	42
71	Terpolymerizations of CO <sub>2</sub> , Propylene Oxide, and Various Epoxides Using a Cobalt(III) Complex of Salen-Type Ligand Tethered by Four Quaternary Ammonium Salts. Macromolecules, 2010, 43, 903-908.	2.2	131
72	Preparation of half-metallocenes of thiophene-fused and tetrahydroquinoline-linked cyclopentadienyl ligands for ethylene/α-olefin copolymerization. Dalton Transactions, 2010, 39, 9994.	1.6	26

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73	Short and Efficient Synthesis of Cyclopentadithiophene and Its Dialkylated Product. Bulletin of the Korean Chemical Society, 2010, 31, 1064-1066.	1.0	8
74	Cobalt(III) Complexes of Various Salen-Type Ligand Bearing Four Quaternary Ammonium Salts and Their Reactivity for CO2/Epoxide Copolymerization. Bulletin of the Korean Chemical Society, 2010, 31, 829-834.	1.0	11
75	Elucidation of the Structure of a Highly Active Catalytic System for CO <sub>2</sub> /Epoxide Copolymerization: A salen-Cobaltate Complex of an Unusual Binding Mode. Inorganic Chemistry, 2009, 48, 10455-10465.	1.9	111
76	A Highly Active and Recyclable Catalytic System for CO <sub>2</sub> /Propylene Oxide Copolymerization. Angewandte Chemie - International Edition, 2008, 47, 7306-7309.	7.2	284
77	o-Phenylene-bridged Cp/amido titanium and zirconium complexes and their polymerization reactivity. Journal of Organometallic Chemistry, 2008, 693, 457-467.	0.8	8
78	Synthesis, characterization, and norbornene polymerization of î-3-benzylnickel(II) complexes of N-heterocyclic carbenes. Journal of Organometallic Chemistry, 2008, 693, 2171-2176.	0.8	47
79	Copolymerization of 5,6-Dihydrodicyclopentadiene and Ethylene. Macromolecules, 2008, 41, 4055-4057.	2.2	32
80	CO < sub>2 < / sub> - Mediated < i> or tho < / i> - Lithiation of < i> N < / i> - Alkylanilines and Its Use for the Construction of Polymerization Catalysts. Organometallics, 2008, 27, 3907-3917.	1.1	21
81	Bimetallic phenylene-bridged Cp/amide titanium complexes and their olefin polymerization. Dalton Transactions, 2007, , 4608.	1.6	34
82	Two Components in a Molecule:Â Highly Efficient and Thermally Robust Catalytic System for CO2/Epoxide Copolymerization. Journal of the American Chemical Society, 2007, 129, 8082-8083.	6.6	290
83	Ortho Lithiation of Tetrahydroquinoline Derivatives and Its Use for the Facile Construction of Polymerization Catalysts. Organometallics, 2007, 26, 6685-6687.	1.1	20
84	o-Phenylene-bridged Cp/sulfonamido titanium complexes for ethylene/1-octene copolymerization. Dalton Transactions, 2006, , 4056.	1.6	3
85	o-Phenylene-Bridged Cp/Amido Titanium Complexes for Ethylene/1-Hexene Copolymerizations. Organometallics, 2006, 25, 2133-2134.	1.1	40
86	Phenylene-Bridged Cp/Carboxamide Ligands for Titanium Complexes of Various Binding Modes and Their Ethylene/1-Octene Copolymerization. Organometallics, 2006, 25, 5122-5130.	1.1	20
87	Bimetallic Fluorine-Substituted Anilidoâ^'Aldimine Zinc Complexes for CO2/(Cyclohexene Oxide) Copolymerization. Inorganic Chemistry, 2006, 45, 4228-4237.	1.9	93
88	Bimetallic nickel complexes of macrocyclic tetraiminodiphenols and their ethylene polymerization. Journal of Organometallic Chemistry, 2006, 691, 611-620.	0.8	44
89	Ethylene and ethylene/1-hexene (co)polymerizations with 2,5-dimethylcyclopentadienyl ansa-titanocene and zirconocene complexes. Polyhedron, 2005, 24, 1256-1261.	1.0	4
90	Bimetallic Anilido-Aldimine Zinc Complexes for Epoxide/CO2Copolymerization. Journal of the American Chemical Society, 2005, 127, 3031-3037.	6.6	276

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91	Ethylene/Polar Norbornene Copolymerizations by Bimetallic Salicylaldimineâ^'Nickel Catalysts. Macromolecules, 2005, 38, 10027-10033.	2.2	100
92	Recycling of methylaluminoxane (MAO) cocatalyst in ethylene polymerization with supported metallocene catalyst. Korean Journal of Chemical Engineering, 2004, 21, 110-115.	1.2	7
93	Dehydroxylation Route to Surface Modification of Mesoporous Silicas by Using Grignard Reagents. Angewandte Chemie - International Edition, 2004, 43, 3839-3842.	<b>7.</b> 2	39
94	sp3-C1-Bridged 1,3-Me2Cp/Amido Titanium and Zirconium Complexes and Their Reactivities towards Ethylene Polymerization. European Journal of Inorganic Chemistry, 2004, 2004, 1522-2529.	1.0	18
95	Syntheses, characterizations, and olefin polymerizations of methylene-bridged 1,3-dimethylcyclopentadienyl/indenyl and 1,3-dimethylcyclopentadienyl/tetrahydroindenyl zirconium complexes. Inorganica Chimica Acta, 2004, 357, 2301-2308.	1.2	6
96	Pyridineenolato and pyridineenamido complexes of zirconium, titanium and aluminum. Polyhedron, 2004, 23, 1587-1594.	1.0	12
97	Syntheses and Structures of a Macrocyclic $\hat{l}^2$ -Diketimine and Its Zinc and Copper Complexes. Organometallics, 2004, 23, 5382-5385.	1.1	27
98	Syntheses of 2,5-Dimethylcyclopentadienylansa-Zirconocene Complexes and Their Reactivity for Ethylene/Norbornene Copolymerization. Organometallics, 2004, 23, 4693-4699.	1.1	37
99	Synthesis, characterization and ethylene reactivity of 2-diphenylphosphanylbenzamido nickel complexes. Dalton Transactions, 2004, , 921.	1.6	26
100	N-(2-Benzoylphenyl)benzamido nickel(II) complexes and polymerization reactivity. Journal of Organometallic Chemistry, 2003, 675, 72-76.	0.8	19
101	Fulvene having substituents only on 1-, 4-, and 6-positions: a key intermediate for novel ansa-metallocene complexes. Journal of Organometallic Chemistry, 2003, 677, 133-139.	0.8	17
102	Activation of Enamido Zirconium Complexes for Ethylene Polymerization:  Electrophilic Addition versus Electrophilic Abstraction Reaction. Organometallics, 2003, 22, 1503-1511.	1.1	31
103	[2-(Alkylideneamino)benzoato]nickel(II) Complexes:  Active Catalysts for Ethylene Polymerization. Organometallics, 2003, 22, 4272-4280.	1.1	71
104	Synthesis, Molecular Structures, and Norbornene Polymerization of Methallyl Nickel(II) Complexes of 2-(Diphenylamino)benzoate. Organometallics, 2002, 21, 3481-3484.	1.1	49
105	α-Iminoenamido Ligands:  A Novel Structure for Transition-Metal Activation. Organometallics, 2002, 21, 3082-3084.	1.1	<b>7</b> 5
106	Synthesis of [2,2â€~-Methylenebis(1,3-dimethylcyclopentadienyl)]zirconium Dichloride and Its Reactivity in Ethyleneâ°'Norbornene Copolymerization. Organometallics, 2002, 21, 1500-1503.	1.1	57
107	Zirconocene compounds derived from boratastilbene, 4-boratastyrylstilbene, and 1,4-bis(boratastyryl)benzene and their reactivities to the ethylene polymerization. Journal of Organometallic Chemistry, 2002, 642, 275-279.	0.8	9
108	Synthesis, molecular structure, and polymerization reactivity of ethylenebis(1,3-dimethylcyclopentadienyl)zirconium dichloride. Journal of Organometallic Chemistry, 2002, 660, 161-166.	0.8	10

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109	Pyridinecarboxamidatoâ^'Nickel(II) Complexes. Organometallics, 2001, 20, 5425-5431.	1.1	100
110	$\hat{l}_{\pm}$ -Iminocarboxamidato $\hat{a}$ Nickel(II) Ethylene Polymerization Catalysts. Journal of the American Chemical Society, 2001, 123, 5352-5353.	6.6	163
111	Synthesis of titanium trichloride complexes of 1,2,3-trisubstituted cyclopentadienyls and their use in styrene polymerization. Journal of Organometallic Chemistry, 2001, 627, 233-238.	0.8	19
112	4-Boratastyrylstilbene and 1,4-Bis(boratastyryl)benzene:  Synthesis, Structural Characterization, and Photophysics. Journal of the American Chemical Society, 2000, 122, 8577-8578.	6.6	41
113	Preparation of Anchored Metallocene Complexes on Dehydroxylated Silica and Their Use in the Polymerization of Ethylene. Macromolecules, 2000, 33, 3194-3195.	2.2	49
114	Boratastilbene: Â Synthesis, Structural Characterization, and Photophysics. Journal of the American Chemical Society, 2000, 122, 3969-3970.	6.6	44
115	Synthesis of bis(1,2,3-substituted cyclopentadienyl)zirconium dichloride derivatives and their use in ethylene polymerization. Journal of Organometallic Chemistry, 1999, 587, 181-190.	0.8	8
116	Ethylene polymerization by zirconocene compounds having ether bonds. Journal of Organometallic Chemistry, 1998, 552, 313-317.	0.8	16