Changle Chen

List of Publications by Citations

155 papers	8,682 citations	54 h-index	88 g-index
169 ext. papers	10,402 ext. citations	7.5 avg, IF	7.46 L-index

#	Paper	IF	Citations
155	Doped graphene for metal-free catalysis. *Chemical Society Reviews*, **2014**, 43, 2841-57	58.5	608
154	Palladium and Nickel Catalyzed Chain Walking Olefin Polymerization and Copolymerization. *ACS Catalysis*, **2016**, 6, 428-441	13.1	337
153	Metal-free catalytic reduction of 4-nitrophenol to 4-aminophenol by N-doped graphene. *Energy and Environmental Science*, **2013**, 6, 3260	35.4	330
152	Designing catalysts for olefin polymerization and copolymerization: beyond electronic and steric tuning. *Nature Reviews Chemistry*, **2018**, 2, 6-14	34.6	300
151	Highly Robust Palladium(II) Diimine Catalysts for Slow-Chain-Walking Polymerization of Ethylene and Copolymerization with Methyl Acrylate. *Angewandte Chemie - International Edition*, **2015**, 54, 9948-53	16.4	257
150	Direct Synthesis of Functionalized High-Molecular-Weight Polyethylene by Copolymerization of Ethylene with Polar Monomers. *Angewandte Chemie - International Edition*, **2016**, 55, 13281-13285	16.4	217
149	Emerging Palladium and Nickel Catalysts for Copolymerization of Olefins with Polar Monomers. *Angewandte Chemie - International Edition*, **2019**, 58, 7192-7200	16.4	184
148	Systematic Investigations of Ligand Steric Effects on Diimine Palladium Catalyzed Olefin Polymerization and Copolymerization. *Macromolecules*, **2016**, 49, 8855-8862	5.5	181
147	A continuing legend: the Brookhart-type diimine nickel and palladium catalysts. *Polymer Chemistry*, **2019**, 10, 2354-2369	4.9	158
146	Late transition metal catalyzed olefin polymerization and copolymerization with polar monomers. *Materials Chemistry Frontiers*, **2017**, 1, 2487-2494	7.8	152
145	Rational Design of High-Performance Phosphine Sulfonate Nickel Catalysts for Ethylene Polymerization and Copolymerization with Polar Monomers. *ACS Catalysis*, **2017**, 7, 1308-1312	13.1	135
144	A Versatile Ligand Platform for Palladium- and Nickel-Catalyzed Ethylene Copolymerization with Polar Monomers. *Angewandte Chemie - International Edition*, **2018**, 57, 3094-3098	16.4	133
143	Cationic polymerization and insertion chemistry in the reactions of vinyl ethers with (alpha-diimine)PdMe(+) species. *Journal of the American Chemical Society*, **2010**, 132, 5273-84	16.4	131
142	A Second-Coordination-Sphere Strategy to Modulate Nickel- and Palladium-Catalyzed Olefin Polymerization and Copolymerization. *Angewandte Chemie - International Edition*, **2017**, 56, 11604-11609	16.4	127
141	Redox-Controlled Polymerization and Copolymerization. *ACS Catalysis*, **2018**, 8, 5506-5514	13.1	122
140	(Diimine)palladium catalyzed ethylene polymerization and (co)polymerization with polar comonomers. *Science China Chemistry*, **2015**, 58, 1663-1673	7.9	118
139	Suppression of Hydride Chain Transfer in Nickel(II)-Catalyzed Ethylene Polymerization via Weak Fluorocarbon LigandProduct Interactions. *Organometallics*, **2012**, 31, 3773-3789	3.8	114

138	Ethylene Polymerization and Copolymerization with Polar Monomers by Cationic Phosphine Phosphonic Amide Palladium Complexes. *ACS Catalysis*, **2015**, 5, 5932-5937	13.1	112
137	Redox-Controlled Olefin (Co)Polymerization Catalyzed by Ferrocene-Bridged Phosphine-Sulfonate Palladium Complexes. *Angewandte Chemie - International Edition*, **2015**, 54, 15520-4	16.4	112
136	Influence of Polyethylene Glycol Unit on Palladium- and Nickel-Catalyzed Ethylene Polymerization and Copolymerization. *Angewandte Chemie - International Edition*, **2017**, 56, 14672-14676	16.4	106
135	Direct Synthesis of Thermoplastic Polyolefin Elastomers from Nickel-Catalyzed Ethylene Polymerization. *Macromolecules*, **2017**, 50, 6074-6080	5.5	104
134	Direct Synthesis of Polar-Functionalized Linear Low-Density Polyethylene (LLDPE) and Low-Density Polyethylene (LDPE). *Macromolecules*, **2018**, 51, 4040-4048	5.5	102
133	Magnetically responsive photonic watermarks on banknotes. *Journal of Materials Chemistry C*, **2014** , 2, 3695	7.1	100
132	Ligand steric and fluoroalkyl substituent effects on enchainment cooperativity and stability in bimetallic nickel(II) polymerization catalysts. *Chemistry - A European Journal*, **2012**, 18, 10715-32	4.8	98
131	Investigations of the Ligand Electronic Effects on □Diimine Nickel(II) Catalyzed Ethylene Polymerization. *Polymers*, **2016**, 8,	4.5	91
130	Unsymmetrical □diimine palladium catalysts and their properties in olefin (co)polymerization. *Materials Chemistry Frontiers*, **2017**, 1, 967-972	7.8	89
129	Palladium-Catalyzed Direct Synthesis of Various Branched, Carboxylic Acid-Functionalized Polyolefins: Characterization, Derivatization, and Properties. *Macromolecules*, **2018**, 51, 6818-6824	5.5	89
128	Invisible photonic printing: computer designing graphics, UV printing and shown by a magnetic field. *Scientific Reports*, **2013**, 3, 1484	4.9	88
127	Conversion of chicken feather waste to N-doped carbon nanotubes for the catalytic reduction of 4-nitrophenol. *Environmental Science & Technology*, **2014**, 48, 10191-7	10.3	86
126	A simple and versatile nickel platform for the generation of branched high molecular weight polyolefins. *Nature Communications*, **2020**, 11, 372	17.4	84
125	Multiple insertion of a silyl vinyl ether by (alpha-diimine)PdMe+ species. *Journal of the American Chemical Society*, **2008**, 130, 12892-3	16.4	84
124	Ni(II) Phenoxyiminato Olefin Polymerization Catalysis: Striking Coordinative Modulation of Hyperbranched Polymer Microstructure and Stability by a Proximate Sulfonyl Group. *ACS Catalysis*, **2014**, 4, 999-1003	13.1	80
123	Accessing Multiple Catalytically Active States in Redox-Controlled Olefin Polymerization. *ACS Catalysis*, **2017**, 7, 7490-7494	13.1	79
122	Syntheses of Well-Defined Functional Isotactic Polypropylenes via Efficient Copolymerization of Propylene with □Halo-□alkenes by Post-metallocene Hafnium Catalyst. *Macromolecules*, **2014**, 47, 552-559	5.5	77
121	Concerted steric and electronic effects on □diimine nickel- and palladium-catalyzed ethylene polymerization and copolymerization. *Science Bulletin*, **2020**, 65, 300-307	10.6	76

120	Influence of Backbone Substituents on the Ethylene (Co)polymerization Properties of Diimine Pd(II) and Ni(II) Catalysts. *Organometallics*, **2016**, 35, 1794-1801	3.8	76
119	Facile synthesis of iron oxides/reduced graphene oxide composites: application for electromagnetic wave absorption at high temperature. *Scientific Reports*, **2015**, 5, 9298	4.9	73
118	Ethylene Polymerization and Copolymerization Using Nickel 2-Iminopyridine-N-oxide Catalysts: Modulation of Polymer Molecular Weights and Molecular-Weight Distributions. *Macromolecules*, **2018**, 51, 49-56	5.5	73
117	Rational Design of Fe2O3/Reduced Graphene Oxide Composites: Rapid Detection and Effective Removal of Organic Pollutants. *ACS Applied Materials & Interfaces*, **2016**, 8, 6431-8	9.5	73
116	Synthesis of polyolefin elastomers from unsymmetrical diimine nickel catalyzed olefin polymerization. *Polymer Chemistry*, **2018**, 9, 4143-4149	4.9	73
115	Modulating polyolefin properties through the incorporation of nitrogen-containing polar monomers. *Polymer Chemistry*, **2017**, 8, 2405-2409	4.9	72
114	Norbornene homopolymerization and copolymerization with ethylene by phosphine-sulfonate nickel catalysts. *Polymer Chemistry*, **2015**, 6, 2669-2676	4.9	72
113	Synthesis of high molecular weight polyethylene using iminopyridyl nickel catalysts. *Chemical Communications*, **2016**, 52, 9113-6	5.8	71
112	Palladium-catalyzed dimerization of vinyl ethers to acetals. *Journal of the American Chemical Society*, **2010**, 132, 10254-5	16.4	71
111	Insights into the reduction of 4-nitrophenol to 4-aminophenol on catalysts. *Chemical Physics Letters*, **2017**, 684, 148-152	2.5	70
110	Polar-Functionalized, Crosslinkable, Self-Healing, and Photoresponsive Polyolefins. *Angewandte Chemie - International Edition*, **2020**, 59, 395-402	16.4	70
109	Ethylene polymerization by salicylaldimine nickel(II) complexes containing a dibenzhydryl moiety. *Dalton Transactions*, **2016**, 45, 1496-503	4.3	65
108	Synthesis of silicon-functionalized polyolefins by subsequent cobalt-catalyzed dehydrogenative silylation and nickel-catalyzed copolymerization. *Science Bulletin*, **2018**, 63, 441-445	10.6	64
107	Low temperature synthesis and photocatalytic property of perovskite-type LaCoO3 hollow spheres. *Journal of Alloys and Compounds*, **2013**, 576, 5-12	5.7	64
106	Ethylene Polymerization by Xanthene-Bridged Dinuclear Diimine NiII Complexes. *ChemCatChem*, **2016**, 8, 434-440	5.2	64
105	Ethylene Polymerization and Copolymerization by Palladium and Nickel Catalysts Containing Naphthalene-Bridged PhosphineSulfonate Ligands. *Organometallics*, **2016**, 35, 1472-1479	3.8	58
104	Phosphine-sulfonate-based nickel catalysts: ethylene polymerization and copolymerization with polar-functionalized norbornenes. *Polymer Chemistry*, **2017**, 8, 7400-7405	4.9	57
103	Sterics versus electronics: Imine/phosphine-oxide-based nickel catalysts for ethylene polymerization and copolymerization. *Journal of Catalysis*, **2019**, 369, 233-238	7.3	57

102	Direct and Tandem Routes for the Copolymerization of Ethylene with Polar Functionalized Internal Olefins. *Angewandte Chemie - International Edition*, **2020**, 59, 1206-1210	16.4	54
101	Core‐shell CeO2@C nanospheres as enhanced anode materials for lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 6790	13	49
100	Preparation of carbon micro-spheres by hydrothermal treatment of methylcellulose sol. *Materials Letters*, **2005**, 59, 3738-3741	3.3	49
99	Emerging Palladium and Nickel Catalysts for Copolymerization of Olefins with Polar Monomers. *Angewandte Chemie*, **2019**, 131, 7268-7276	3.6	48
98	Synthesis and application of binuclear α‐diimine nickel/palladium catalysts with a conjugated backbone. *Dalton Transactions*, **2014**, 43, 2900-6	4.3	47
97	Synthesis of carbon‐Fe3O4 coaxial nanofibres by pyrolysis of ferrocene in supercritical carbon dioxide. *Carbon*, **2007**, 45, 727-731	10.4	47
96	Manipulation of polymer branching density in phosphine-sulfonate palladium and nickel catalyzed ethylene polymerization. *Polymer Chemistry*, **2017**, 8, 6272-6276	4.9	46
95	Direct Synthesis of Polar Functionalized Polyethylene Thermoplastic Elastomer. *Macromolecules*, **2020**, 53, 2539-2546	5.5	46
94	Influence of ligand second coordination sphere effects on the olefin (co)polymerization properties of α‐diimine Pd(II) catalysts. *Polymer Chemistry*, **2016**, 7, 3933-3938	4.9	46
93	Catechol-Functionalized Polyolefins. *Angewandte Chemie - International Edition*, **2020**, 59, 7953-7959	16.4	45
92	Highly Robust Palladium(II) α‐Diimine Catalysts for Slow-Chain-Walking Polymerization of Ethylene and Copolymerization with Methyl Acrylate. *Angewandte Chemie*, **2015**, 127, 10086-10091	3.6	45
91	Enhanced CO oxidation on CeO/CoO nanojunctions derived from annealing of metal organic frameworks. *Nanoscale*, **2016**, 8, 19761-19768	7.7	42
90	Magnetically controllable colloidal photonic crystals: unique features and intriguing applications. *Journal of Materials Chemistry C*, **2013**, 1, 6013	7.1	42
89	Dinuclear α‐Diimine NiII and PdII Complexes that Catalyze Ethylene Polymerization and Copolymerization. *ChemCatChem*, **2017**, 9, 1062-1066	5.2	41
88	Cationic Palladium(II) Complexes of Phosphine‐Sulfonamide Ligands: Synthesis, Characterization, and Catalytic Ethylene Oligomerization. *Organometallics*, **2014**, 33, 3738-3745	3.8	40
87	Low-cost, acid/alkaline-resistant, and fluorine-free superhydrophobic fabric coating from onionlike carbon microspheres converted from waste polyethylene terephthalate. *Environmental Science & Technology*, **2014**, 48, 2928-33	10.3	39
86	Ligand‐metal secondary interactions in phosphine‐sulfonate palladium and nickel catalyzed ethylene (co)polymerization. *Polymer Chemistry*, **2020**, 11, 411-416	4.9	38
85	Direct Synthesis of Functionalized High-Molecular-Weight Polyethylene by Copolymerization of Ethylene with Polar Monomers. *Angewandte Chemie*, **2016**, 128, 13475-13479	3.6	37

84	Ligand steric effects on naphthyl-□diimine nickel catalyzed □olefin polymerization. *Chinese Journal of Polymer Science (English Edition)*, **2018**, 36, 157-162	3.5	37
83	A Phenol-containing □Diimine Ligand for Nickel- and Palladium-Catalyzed Ethylene Polymerization. *Chinese Journal of Polymer Science (English Edition)*, **2019**, 37, 974-980	3.5	36
82	Facile synthesis of graphene-like Co3S4 nanosheet/Ag2S nanocomposite with enhanced performance in visible-light photocatalysis. *Applied Surface Science*, **2015**, 351, 374-381	6.7	35
81	Lubrication Properties of Polyalphaolefin and Polysiloxane Lubricants: Molecular Structure□Tribology Relationships. *Tribology Letters*, **2012**, 48, 355	2.8	35
80	Side-Arm Control in Phosphine-Sulfonate Palladium- and Nickel-Catalyzed Ethylene Polymerization and Copolymerization. *Organometallics*, **2017**, 36, 2338-2344	3.8	34
79	Direct Synthesis of Branched Carboxylic Acid Functionalized Poly(1-octene) by □Diimine Palladium Catalysts. *Polymers*, **2017**, 9,	4.5	33
78	Redox-Controlled Olefin (Co)Polymerization Catalyzed by Ferrocene-Bridged Phosphine-Sulfonate Palladium Complexes. *Angewandte Chemie*, **2015**, 127, 15740-15744	3.6	33
77	Redox control in palladium catalyzed norbornene and alkyne polymerization. *Inorganic Chemistry Frontiers*, **2017**, 4, 795-800	6.8	32
76	Position Makes the Difference: Electronic Effects in Nickel-Catalyzed Ethylene Polymerizations and Copolymerizations. *Inorganic Chemistry*, **2018**, 57, 14913-14919	5.1	32
75	A Self-Supporting Strategy for Gas-Phase and Slurry-Phase Ethylene Polymerization using Late-Transition-Metal Catalysts. *Angewandte Chemie - International Edition*, **2020**, 59, 14884-14890	16.4	31
74	Reducing reaction of Fe3O4 in nanoscopic reactors of a-CNTs. *Journal of Physical Chemistry B*, **2007**, 111, 1724-8	3.4	30
73	Fabrication of Y-junction carbon nanotubes by reduction of carbon dioxide with sodium borohydride. *Diamond and Related Materials*, **2006**, 15, 1540-1543	3.5	30
72	Light-Controlled Switchable Ring Opening Polymerization. *Macromolecules*, **2019**, 52, 5646-5651	5.5	28
71	Visible-Light Active and Magnetically Recyclable Nanocomposites for the Degradation of Organic Dye. *Materials*, **2014**, 7, 4034-4044	3.5	28
70	Fast and Controlled Ring-Opening Polymerization of Cyclic Esters by Alkoxides and Cyclic Amides. *Macromolecules*, **2018**, 51, 2048-2053	5.5	27
69	Influences of Alkyl and Aryl Substituents on Iminopyridine Fe(II)- and Co(II)-Catalyzed Isoprene Polymerization. *Polymers*, **2016**, 8,	4.5	27
68	Palladium-Catalyzed Dimerization of Vinyl Ethers: Mechanism, Catalyst Optimization, and Polymerization Applications. *Macromolecules*, **2019**, 52, 7123-7129	5.5	25
67	WO3 and Ag nanoparticle co-sensitized TiO2 nanowires: preparation and the enhancement of photocatalytic activity. *RSC Advances*, **2014**, 4, 23831-23837	3.7	25

66	Nickel catalysts for the synthesis of ultra-high molecular weight polyethylene. *Science Bulletin*, **2020**, 65, 1137-1138	10.6	25
65	Improving the flame retardancy of polyethylenes through the palladium-catalyzed incorporation of polar comonomers. *Polymer Chemistry*, **2019**, 10, 1416-1422	4.9	24
64	Large-scale synthesis of carbon spheres by reduction of supercritical CO2 with metallic calcium. *Chemical Physics Letters*, **2006**, 421, 584-588	2.5	24
63	Systematic Studies on (Co)Polymerization of Polar Styrene Monomers with Palladium Catalysts. *Macromolecules*, **2019**, 52, 7197-7206	5.5	23
62	One for two: conversion of waste chicken feathers to carbon microspheres and (NH4)HCO3. *Environmental Science & Technology*, **2014**, 48, 6500-7	10.3	23
61	Synthesis, Structures, and Ethylene Polymerization Behavior of Bis(pyrazolyl)borate Zirconium and Hafnium Benzyl Complexes *Organometallics*, **2010**, 29, 5373-5381	3.8	23
60	Controlled Synthesis of Carbon Nanoparticles in a Supercritical Carbon Disulfide System. *Materials*, **2013**, 7, 97-105	3.5	22
59	A disubstituted-norbornene-based comonomer strategy to address polar monomer problem. *Science Bulletin*, **2021**, 66, 1429-1436	10.6	22
58	Influence of chelate ring size on the properties of phosphine-sulfonate palladium catalysts. *Science China Chemistry*, **2018**, 61, 1175-1178	7.9	21
57	Ethylene (co)Oligomerization by Phosphine-Pyridine Based Palladium and Nickel Catalysts. *ChemCatChem*, **2018**, 10, 5135-5140	5.2	21
56	Facile approach to prepare Pd nanoarray catalysts within porous alumina templates on macroscopic scales. *ACS Applied Materials & Interfaces*, **2013**, 5, 12695-700	9.5	21
55	Formation of variously shaped carbon nanotubes in carbon dioxide alkali metal (Li, Na) system. *Carbon*, **2005**, 43, 1104-1108	10.4	21
54	Degradable PE-Based Copolymer with Controlled Ester Structure Incorporation by Cobalt-Mediated Radical Copolymerization under Mild Condition. *IScience*, **2020**, 23, 100904	6.1	20
53	Growth of conical carbon nanotubes by chemical reduction of MgCO3. *Journal of Physical Chemistry B*, **2005**, 109, 10557-60	3.4	20
52	A Versatile Ligand Platform for Palladium- and Nickel-Catalyzed Ethylene Copolymerization with Polar Monomers. *Angewandte Chemie*, **2018**, 130, 3148-3152	3.6	19
51	Redox Control in Olefin Polymerization and Copolymerization. *Synlett*, **2016**, 27, 1297-1302	2.2	19
50	Facile synthesis of diketone alcohols for combined functionality: initiation, catalysis, and luminescence. *Macromolecular Rapid Communications*, **2014**, 35, 566-73	4.8	19
49	A Second-Coordination-Sphere Strategy to Modulate Nickel- and Palladium-Catalyzed Olefin Polymerization and Copolymerization. *Angewandte Chemie*, **2017**, 129, 11762-11767	3.6	19

48	Preparation of Biodiesel from Soybean Catalyzed by Basic Ionic Liquids [Hnmm]OH. *Materials*, **2014**, 7, 8012-8023	3.5	18
47	Formation of C60 by reduction of CO2. *Journal of Supercritical Fluids*, **2009**, 50, 42-45	4.2	18
46	Hydrogen-Bonding-Induced Heterogenization of Nickel and Palladium Catalysts for Copolymerization of Ethylene with Polar Monomers. *Angewandte Chemie - International Edition*, **2021**, 60, 17446-17451	16.4	18
45	Interplay of Supramolecular Chemistry and Photochemistry with Palladium-Catalyzed Ethylene Polymerization. *CCS Chemistry*, **2021**, 3, 2025-2034	7.2	18
44	Ring-opening polymerization of rac-lactide using anilinotropone-based aluminum complexes-sidearm effect on the catalysis. *Polymer*, **2015**, 64, 234-239	3.9	17
43	Large-scale synthesis of monodisperse magnesium ferrite via an environmentally friendly molten salt route. *Inorganic Chemistry*, **2014**, 53, 2053-7	5.1	17
42	Influence of Ligand Backbone Structure and Connectivity on the Properties of Phosphine-Sulfonate Pd(II)/Ni(II) Catalysts. *Polymers*, **2017**, 9,	4.5	17
41	Diphosphazane-monoxide and Phosphine-sulfonate Palladium Catalyzed Ethylene Copolymerization with Polar Monomers: A Computational Study. *Organometallics*, **2019**, 38, 638-646	3.8	16
40	Influence of Polyethylene Glycol Unit on Palladium- and Nickel-Catalyzed Ethylene Polymerization and Copolymerization. *Angewandte Chemie*, **2017**, 129, 14864-14868	3.6	15
39	Polymerization of disubstituted acetylenes by monodentate NHC-Pd catalysts. *Polymer Chemistry*, **2015**, 6, 7127-7132	4.9	13
38	Amidine/Phosphine-Oxide-Based Nickel Catalysts for Ethylene Polymerization and Copolymerization. *ChemCatChem*, **2019**, 11, 5339-5344	5.2	13
37	Polar-Functionalized, Crosslinkable, Self-Healing, and Photoresponsive Polyolefins. *Angewandte Chemie*, **2020**, 132, 403-410	3.6	13
36	Styrene-containing Phosphine-sulfonate Ligands for Nickel- and Palladium-catalyzed Ethylene Polymerization. *Chinese Journal of Polymer Science (English Edition)*, **2021**, 39, 447-454	3.5	13
35	Synthesis of Nonalternating Polyketones Using Cationic Diphosphazane Monoxide-Palladium Complexes. *Journal of the American Chemical Society*, **2021**, 143, 10743-10750	16.4	13
34	Photoresponsive Palladium and Nickel Catalysts for Ethylene Polymerization and Copolymerization. *Angewandte Chemie - International Edition*, **2021**, 60, 22195-22200	16.4	13
33	An Ionic Cluster Strategy for Performance Improvements and Product Morphology Control in Metal-Catalyzed Olefin-Polar Monomer Copolymerization.. *Journal of the American Chemical Society* , **2022**,	16.4	12
32	Highly Stable Hierarchical Flower-like In2S3 Assembled from 2D Nanosheets with high Adsorption-Photodecolorization Activities for the Treatment of Wastewater. *Journal of Nanoparticle Research*, **2017**, 19, 1	2.3	11
31	Molecularly-Engineered Lubricants: Synthesis, Activation, and Tribological Characterization of Silver Complexes as Lubricant Additives. *Advanced Engineering Materials*, **2012**, 14, 101-105	3.5	11

30	Controlling the Ring-Opening Polymerization Process Using External Stimuli. *Chinese Journal of Chemistry*, **2020**, 38, 282-286	4.9	11
29	Palladium-Catalyzed Synthesis of Norbornene-Based Polar-Functionalized Polyolefin Elastomers. *Macromolecules*, **2021**, 54, 3197-3203	5.5	11
28	Facile Synthesis of CeO□LaFeO□Perovskite Composite and Its Application for 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanone (NNK) Degradation. *Materials*, **2016**, 9,	3.5	11
27	Material Properties of Functional Polyethylenes from Transition-Metal-Catalyzed Ethylene□Polar Monomer Copolymerization. *Macromolecules*, **2022**, 55, 1910-1922	5.5	11
26	Energy Efficient Siloxane Lubricants Utilizing Temporary Shear-Thinning. *Tribology Letters*, **2013**, 49, 525-538	2.8	10
25	Positional Electronic Effects in Iminopyridine-N-oxide Nickel Catalyzed Ethylene Polymerization□ *Chinese Journal of Chemistry*, **2021**, 39, 1683-1689	4.9	10
24	Lewis acid/base modulation in □diiminate zinc-catalyzed switchable ring-opening polymerization of rac-lactide. *Science China Chemistry*, **2019**, 62, 475-478	7.9	9
23	Friction and Wear Protection Performance of Synthetic Siloxane Lubricants. *Tribology Letters*, **2013**, 51, 365-376	2.8	9
22	Synthesis and ethylene polymerization behavior of {MeB(3-Ph-pyrazolyl)3}TiCl3. *Journal of Organometallic Chemistry*, **2010**, 695, 2543-2547	2.3	9
21	Catechol-Functionalized Polyolefins. *Angewandte Chemie*, **2020**, 132, 8027-8033	3.6	8
20	Direct and Tandem Routes for the Copolymerization of Ethylene with Polar Functionalized Internal Olefins. *Angewandte Chemie*, **2020**, 132, 1222-1226	3.6	8
19	A Novel Way for Preparing Cu Nanowires. *Chemistry Letters*, **2005**, 34, 430-431	1.7	7
18	Highly selective adsorption of organic dyes containing sulphonic groups using Cu2(OH)3NO3 nanosheets. *Journal of Nanoparticle Research*, **2016**, 18, 1	2.3	7
17	A general strategy for heterogenizing olefin polymerization catalysts and the synthesis of polyolefins and composites.. *Nature Communications*, **2022**, 13, 1954	17.4	6
16	Sidearm effect on the (Pyrrolylaldiminato)aluminum initiated ring opening polymerization of □caprolactone. *Journal of Organometallic Chemistry*, **2017**, 836-837, 56-61	2.3	5
15	Ni catalyzed ethylene copolymerization with polar monomers. *Science China Chemistry*, **2019**, 62, 653-654	7.9	5
14	A Self-Supporting Strategy for Gas-Phase and Slurry-Phase Ethylene Polymerization using Late-Transition-Metal Catalysts. *Angewandte Chemie*, **2020**, 132, 14994-15000	3.6	5
13	Two 8-Hydroxyquinolinate Based Supramolecular Coordination Compounds: Synthesis, Structures and Spectral Properties. *Materials*, **2017**, 10,	3.5	5

12	RECENT DEVELOPMENT IN DIAMOND SYNTHESIS. *International Journal of Modern Physics B*, **2008**, 22, 309-326	1.1	5
11	Lewis Acid Catalyzed Synthesis of Poly(pyrazolyl)borate Ligands. *Organometallics*, **2010**, 29, 3679-3682	3.8	4
10	Lewis Pair Catalyzed Regioselective Polymerization of (E,E)-Alkyl Sorbates for the Synthesis of (AB) Sequenced Polymers. *Angewandte Chemie - International Edition*, **2021**, 60, 24306-24311	16.4	4
9	Synthesis and Tribological Studies of Branched Alcohol Derived Epoxidized Biodiesel. *Materials*, **2015**, 8, 6623-6632	3.5	3
8	Promoting Ethylene (co)Polymerization in Aliphatic Hydrocar-bon Solvents Using tert-Butyl Substituted Nickel Catalysts. *Chinese Journal of Chemistry*,	4.9	3
7	Hydrogen-Bonding-Induced Heterogenization of Nickel and Palladium Catalysts for Copolymerization of Ethylene with Polar Monomers. *Angewandte Chemie*, **2021**, 133, 17586-17591	3.6	3
6	Facile synthesis of uniform hierarchical composites CuO-CeO2 for enhanced dye removal. *Journal of Nanoparticle Research*, **2016**, 18, 1	2.3	3
5	Aluminum Tralen Complex Meditated Reversible-Deactivation Radical Polymerization of Vinyl Acetate. *ACS Macro Letters*, **2020**, 9, 1423-1428	6.6	1
4	Tandem Catalysts Combining Polymer Synthesis, Postpolymerization Modification, and Vitrimer Formation. *Macromolecules*, **2021**, 54, 6153-6160	5.5	1
3	Reversible-deactivation radical polymerization of vinyl acetate mediated by tralen, an organomediator. *Polymer Chemistry*, **2021**, 12, 5159-5167	4.9	1
2	Photoresponsive Palladium and Nickel Catalysts for Ethylene Polymerization and Copolymerization. *Angewandte Chemie*, **2021**, 133, 22369-22374	3.6	0
1	Transition Metal-Catalyzed Copolymerization of Olefins With Polar Functional Monomers **2021**,		