

# Changle 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.

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	An Ionic Cluster Strategy for Performance Improvements and Product Morphology Control in Metal-Catalyzed Olefin-Polar Monomer Copolymerization.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	12
154	Material Properties of Functional Polyethylenes from Transition-Metal-Catalyzed Ethylene-Polar Monomer Copolymerization. <i>Macromolecules</i> , <b>2022</b> , 55, 1910-1922	5.5	11
153	A general strategy for heterogenizing olefin polymerization catalysts and the synthesis of polyolefins and composites.. <i>Nature Communications</i> , <b>2022</b> , 13, 1954	17.4	6
152	Transition Metal-Catalyzed Copolymerization of Olefins With Polar Functional Monomers <b>2021</b> ,		
151	Palladium-Catalyzed Synthesis of Norbornene-Based Polar-Functionalized Polyolefin Elastomers. <i>Macromolecules</i> , <b>2021</b> , 54, 3197-3203	5.5	11
150	Positional Electronic Effects in Iminopyridine-N-oxide Nickel Catalyzed Ethylene Polymerization. <i>Chinese Journal of Chemistry</i> , <b>2021</b> , 39, 1683-1689	4.9	10
149	Hydrogen-Bonding-Induced Heterogenization of Nickel and Palladium Catalysts for Copolymerization of Ethylene with Polar Monomers. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 17446-17451	16.4	18
148	Hydrogen-Bonding-Induced Heterogenization of Nickel and Palladium Catalysts for Copolymerization of Ethylene with Polar Monomers. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 17586-17591	3.6	3
147	Tandem Catalysts Combining Polymer Synthesis, Postpolymerization Modification, and Vitriimer Formation. <i>Macromolecules</i> , <b>2021</b> , 54, 6153-6160	5.5	1
146	A disubstituted-norbornene-based comonomer strategy to address polar monomer problem. <i>Science Bulletin</i> , <b>2021</b> , 66, 1429-1436	10.6	22
145	Styrene-containing Phosphine-sulfonate Ligands for Nickel- and Palladium-catalyzed Ethylene Polymerization. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2021</b> , 39, 447-454	3.5	13
144	Reversible-deactivation radical polymerization of vinyl acetate mediated by tralen, an organomediator. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 5159-5167	4.9	1
143	Synthesis of Nonalternating Polyketones Using Cationic Diphosphazane Monoxide-Palladium Complexes. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 10743-10750	16.4	13
142	Interplay of Supramolecular Chemistry and Photochemistry with Palladium-Catalyzed Ethylene Polymerization. <i>CCS Chemistry</i> , <b>2021</b> , 3, 2025-2034	7.2	18
141	Photoresponsive Palladium and Nickel Catalysts for Ethylene Polymerization and Copolymerization. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 22369-22374	3.6	0
140	Photoresponsive Palladium and Nickel Catalysts for Ethylene Polymerization and Copolymerization. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 22195-22200	16.4	13
139	Lewis Pair Catalyzed Regioselective Polymerization of (E,E)-Alkyl Sorbates for the Synthesis of (AB) Sequenced Polymers. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 24306-24311	16.4	4

138	A Self-Supporting Strategy for Gas-Phase and Slurry-Phase Ethylene Polymerization using Late-Transition-Metal Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14884-14890	16.4	31
137	A Self-Supporting Strategy for Gas-Phase and Slurry-Phase Ethylene Polymerization using Late-Transition-Metal Catalysts. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14994-15000	3.6	5
136	Direct Synthesis of Polar Functionalized Polyethylene Thermoplastic Elastomer. <i>Macromolecules</i> , <b>2020</b> , 53, 2539-2546	5.5	46
135	Catechol-Functionalized Polyolefins. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 8027-8033	3.6	8
134	Degradable PE-Based Copolymer with Controlled Ester Structure Incorporation by Cobalt-Mediated Radical Copolymerization under Mild Condition. <i>IScience</i> , <b>2020</b> , 23, 100904	6.1	20
133	Catechol-Functionalized Polyolefins. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7953-7959	16.4	45
132	A simple and versatile nickel platform for the generation of branched high molecular weight polyolefins. <i>Nature Communications</i> , <b>2020</b> , 11, 372	17.4	84
131	Polar-Functionalized, Crosslinkable, Self-Healing, and Photoresponsive Polyolefins. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 403-410	3.6	13
130	Direct and Tandem Routes for the Copolymerization of Ethylene with Polar Functionalized Internal Olefins. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 1206-1210	16.4	54
129	Controlling the Ring-Opening Polymerization Process Using External Stimuli. <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 282-286	4.9	11
128	Direct and Tandem Routes for the Copolymerization of Ethylene with Polar Functionalized Internal Olefins. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 1222-1226	3.6	8
127	Concerted steric and electronic effects on diimine nickel- and palladium-catalyzed ethylene polymerization and copolymerization. <i>Science Bulletin</i> , <b>2020</b> , 65, 300-307	10.6	76
126	Aluminum Tralen Complex Mediated Reversible-Deactivation Radical Polymerization of Vinyl Acetate. <i>ACS Macro Letters</i> , <b>2020</b> , 9, 1423-1428	6.6	1
125	Ligand-metal secondary interactions in phosphine-sulfonate palladium and nickel catalyzed ethylene (co)polymerization. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 411-416	4.9	38
124	Polar-Functionalized, Crosslinkable, Self-Healing, and Photoresponsive Polyolefins. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 395-402	16.4	70
123	Nickel catalysts for the synthesis of ultra-high molecular weight polyethylene. <i>Science Bulletin</i> , <b>2020</b> , 65, 1137-1138	10.6	25
122	Palladium-Catalyzed Dimerization of Vinyl Ethers: Mechanism, Catalyst Optimization, and Polymerization Applications. <i>Macromolecules</i> , <b>2019</b> , 52, 7123-7129	5.5	25
121	Systematic Studies on (Co)Polymerization of Polar Styrene Monomers with Palladium Catalysts. <i>Macromolecules</i> , <b>2019</b> , 52, 7197-7206	5.5	23

120	Diphosphazane-monoxide and Phosphine-sulfonate Palladium Catalyzed Ethylene Copolymerization with Polar Monomers: A Computational Study. <i>Organometallics</i> , <b>2019</b> , 38, 638-646	3.8	16
119	Emerging Palladium and Nickel Catalysts for Copolymerization of Olefins with Polar Monomers. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 7268-7276	3.6	48
118	Emerging Palladium and Nickel Catalysts for Copolymerization of Olefins with Polar Monomers. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 7192-7200	16.4	184
117	A continuing legend: the Brookhart-type $\beta$ -diimine nickel and palladium catalysts. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 2354-2369	4.9	158
116	Ni catalyzed ethylene copolymerization with polar monomers. <i>Science China Chemistry</i> , <b>2019</b> , 62, 653-654	4.9	5
115	A Phenol-containing $\beta$ -diimine Ligand for Nickel- and Palladium-Catalyzed Ethylene Polymerization. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2019</b> , 37, 974-980	3.5	36
114	Lewis acid/base modulation in $\beta$ -diimine zinc-catalyzed switchable ring-opening polymerization of rac-lactide. <i>Science China Chemistry</i> , <b>2019</b> , 62, 475-478	7.9	9
113	Improving the flame retardancy of polyethylenes through the palladium-catalyzed incorporation of polar comonomers. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 1416-1422	4.9	24
112	Amidine/Phosphine-Oxide-Based Nickel Catalysts for Ethylene Polymerization and Copolymerization. <i>ChemCatChem</i> , <b>2019</b> , 11, 5339-5344	5.2	13
111	Light-Controlled Switchable Ring Opening Polymerization. <i>Macromolecules</i> , <b>2019</b> , 52, 5646-5651	5.5	28
110	Sterics versus electronics: Imine/phosphine-oxide-based nickel catalysts for ethylene polymerization and copolymerization. <i>Journal of Catalysis</i> , <b>2019</b> , 369, 233-238	7.3	57
109	Fast and Controlled Ring-Opening Polymerization of Cyclic Esters by Alkoxides and Cyclic Amides. <i>Macromolecules</i> , <b>2018</b> , 51, 2048-2053	5.5	27
108	A Versatile Ligand Platform for Palladium- and Nickel-Catalyzed Ethylene Copolymerization with Polar Monomers. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 3148-3152	3.6	19
107	A Versatile Ligand Platform for Palladium- and Nickel-Catalyzed Ethylene Copolymerization with Polar Monomers. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 3094-3098	16.4	133
106	Ethylene Polymerization and Copolymerization Using Nickel 2-Iminopyridine-N-oxide Catalysts: Modulation of Polymer Molecular Weights and Molecular-Weight Distributions. <i>Macromolecules</i> , <b>2018</b> , 51, 49-56	5.5	73
105	Designing catalysts for olefin polymerization and copolymerization: beyond electronic and steric tuning. <i>Nature Reviews Chemistry</i> , <b>2018</b> , 2, 6-14	34.6	300
104	Synthesis of silicon-functionalized polyolefins by subsequent cobalt-catalyzed dehydrogenative silylation and nickel-catalyzed copolymerization. <i>Science Bulletin</i> , <b>2018</b> , 63, 441-445	10.6	64
103	Synthesis of polyolefin elastomers from unsymmetrical $\beta$ -diimine nickel catalyzed olefin polymerization. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 4143-4149	4.9	73

102	Redox-Controlled Polymerization and Copolymerization. <i>ACS Catalysis</i> , <b>2018</b> , 8, 5506-5514	13.1	122
101	Influence of chelate ring size on the properties of phosphine-sulfonate palladium catalysts. <i>Science China Chemistry</i> , <b>2018</b> , 61, 1175-1178	7.9	21
100	Palladium-Catalyzed Direct Synthesis of Various Branched, Carboxylic Acid-Functionalized Polyolefins: Characterization, Derivatization, and Properties. <i>Macromolecules</i> , <b>2018</b> , 51, 6818-6824	5.5	89
99	Ethylene (co)Oligomerization by Phosphine-Pyridine Based Palladium and Nickel Catalysts. <i>ChemCatChem</i> , <b>2018</b> , 10, 5135-5140	5.2	21
98	Ligand steric effects on naphthyl-diimine nickel catalyzed olefin polymerization. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2018</b> , 36, 157-162	3.5	37
97	Position Makes the Difference: Electronic Effects in Nickel-Catalyzed Ethylene Polymerizations and Copolymerizations. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 14913-14919	5.1	32
96	Direct Synthesis of Polar-Functionalized Linear Low-Density Polyethylene (LLDPE) and Low-Density Polyethylene (LDPE). <i>Macromolecules</i> , <b>2018</b> , 51, 4040-4048	5.5	102
95	Rational Design of High-Performance Phosphine Sulfonate Nickel Catalysts for Ethylene Polymerization and Copolymerization with Polar Monomers. <i>ACS Catalysis</i> , <b>2017</b> , 7, 1308-1312	13.1	135
94	Redox control in palladium catalyzed norbornene and alkyne polymerization. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 795-800	6.8	32
93	Highly Stable Hierarchical Flower-like ZnS <sub>3</sub> Assembled from 2D Nanosheets with high Adsorption-Photodecolorization Activities for the Treatment of Wastewater. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 1	2.3	11
92	Dinuclear Diimine NiII and PdII Complexes that Catalyze Ethylene Polymerization and Copolymerization. <i>ChemCatChem</i> , <b>2017</b> , 9, 1062-1066	5.2	41
91	Side-Arm Control in Phosphine-Sulfonate Palladium- and Nickel-Catalyzed Ethylene Polymerization and Copolymerization. <i>Organometallics</i> , <b>2017</b> , 36, 2338-2344	3.8	34
90	Modulating polyolefin properties through the incorporation of nitrogen-containing polar monomers. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 2405-2409	4.9	72
89	Sidearm effect on the (Pyrrolylaldiminato)aluminum initiated ring opening polymerization of $\epsilon$ -caprolactone. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 836-837, 56-61	2.3	5
88	Unsymmetrical Diimine palladium catalysts and their properties in olefin (co)polymerization. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 967-972	7.8	89
87	Influence of Polyethylene Glycol Unit on Palladium- and Nickel-Catalyzed Ethylene Polymerization and Copolymerization. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 14672-14676	16.4	106
86	Influence of Polyethylene Glycol Unit on Palladium- and Nickel-Catalyzed Ethylene Polymerization and Copolymerization. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 14864-14868	3.6	15
85	Manipulation of polymer branching density in phosphine-sulfonate palladium and nickel catalyzed ethylene polymerization. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 6272-6276	4.9	46

84	Accessing Multiple Catalytically Active States in Redox-Controlled Olefin Polymerization. <i>ACS Catalysis</i> , <b>2017</b> , 7, 7490-7494	13.1	79
83	A Second-Coordination-Sphere Strategy to Modulate Nickel- and Palladium-Catalyzed Olefin Polymerization and Copolymerization. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 11762-11767	3.6	19
82	Late transition metal catalyzed olefin polymerization and copolymerization with polar monomers. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 2487-2494	7.8	152
81	A Second-Coordination-Sphere Strategy to Modulate Nickel- and Palladium-Catalyzed Olefin Polymerization and Copolymerization. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11604-11609	16.4	127
80	Direct Synthesis of Thermoplastic Polyolefin Elastomers from Nickel-Catalyzed Ethylene Polymerization. <i>Macromolecules</i> , <b>2017</b> , 50, 6074-6080	5.5	104
79	Phosphine-sulfonate-based nickel catalysts: ethylene polymerization and copolymerization with polar-functionalized norbornenes. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 7400-7405	4.9	57
78	Insights into the reduction of 4-nitrophenol to 4-aminophenol on catalysts. <i>Chemical Physics Letters</i> , <b>2017</b> , 684, 148-152	2.5	70
77	Two 8-Hydroxyquinolate Based Supramolecular Coordination Compounds: Synthesis, Structures and Spectral Properties. <i>Materials</i> , <b>2017</b> , 10,	3.5	5
76	Direct Synthesis of Branched Carboxylic Acid Functionalized Poly(1-octene) by Diimine Palladium Catalysts. <i>Polymers</i> , <b>2017</b> , 9,	4.5	33
75	Influence of Ligand Backbone Structure and Connectivity on the Properties of Phosphine-Sulfonate Pd(II)/Ni(II) Catalysts. <i>Polymers</i> , <b>2017</b> , 9,	4.5	17
74	Direct Synthesis of Functionalized High-Molecular-Weight Polyethylene by Copolymerization of Ethylene with Polar Monomers. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13281-13285	16.4	217
73	Enhanced CO oxidation on CeO/CoO nanojunctions derived from annealing of metal organic frameworks. <i>Nanoscale</i> , <b>2016</b> , 8, 19761-19768	7.7	42
72	Palladium and Nickel Catalyzed Chain Walking Olefin Polymerization and Copolymerization. <i>ACS Catalysis</i> , <b>2016</b> , 6, 428-441	13.1	337
71	Synthesis of high molecular weight polyethylene using iminopyridyl nickel catalysts. <i>Chemical Communications</i> , <b>2016</b> , 52, 9113-6	5.8	71
70	Ethylene Polymerization and Copolymerization by Palladium and Nickel Catalysts Containing Naphthalene-Bridged Phosphine-Sulfonate Ligands. <i>Organometallics</i> , <b>2016</b> , 35, 1472-1479	3.8	58
69	Redox Control in Olefin Polymerization and Copolymerization. <i>Synlett</i> , <b>2016</b> , 27, 1297-1302	2.2	19
68	Rational Design of Fe <sub>2</sub> O <sub>3</sub> /Reduced Graphene Oxide Composites: Rapid Detection and Effective Removal of Organic Pollutants. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6431-8	9.5	73
67	Ethylene polymerization by salicylaldimine nickel(II) complexes containing a dibenzhydryl moiety. <i>Dalton Transactions</i> , <b>2016</b> , 45, 1496-503	4.3	65

66	Influences of Alkyl and Aryl Substituents on Iminopyridine Fe(II)- and Co(II)-Catalyzed Isoprene Polymerization. <i>Polymers</i> , <b>2016</b> , 8,	4.5	27
65	Facile Synthesis of CeO <sub>2</sub> /LaFeO <sub>3</sub> Perovskite Composite and Its Application for 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanone (NNK) Degradation. <i>Materials</i> , <b>2016</b> , 9,	3.5	11
64	Investigations of the Ligand Electronic Effects on $\eta^2$ -Diimine Nickel(II) Catalyzed Ethylene Polymerization. <i>Polymers</i> , <b>2016</b> , 8,	4.5	91
63	Ethylene Polymerization by Xanthene-Bridged Dinuclear $\eta^2$ -Diimine Ni(II) Complexes. <i>ChemCatChem</i> , <b>2016</b> , 8, 434-440	5.2	64
62	Systematic Investigations of Ligand Steric Effects on $\eta^2$ -Diimine Palladium Catalyzed Olefin Polymerization and Copolymerization. <i>Macromolecules</i> , <b>2016</b> , 49, 8855-8862	5.5	181
61	Facile synthesis of uniform hierarchical composites CuO-CeO <sub>2</sub> for enhanced dye removal. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	3
60	Influence of Backbone Substituents on the Ethylene (Co)polymerization Properties of $\eta^2$ -Diimine Pd(II) and Ni(II) Catalysts. <i>Organometallics</i> , <b>2016</b> , 35, 1794-1801	3.8	76
59	Influence of ligand second coordination sphere effects on the olefin (co)polymerization properties of $\eta^2$ -Diimine Pd(II) catalysts. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 3933-3938	4.9	46
58	Highly selective adsorption of organic dyes containing sulphonic groups using Cu <sub>2</sub> (OH) <sub>3</sub> NO <sub>3</sub> nanosheets. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	7
57	Direct Synthesis of Functionalized High-Molecular-Weight Polyethylene by Copolymerization of Ethylene with Polar Monomers. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 13475-13479	3.6	37
56	( $\eta^2$ -Diimine)palladium catalyzed ethylene polymerization and (co)polymerization with polar comonomers. <i>Science China Chemistry</i> , <b>2015</b> , 58, 1663-1673	7.9	118
55	Facile synthesis of iron oxides/reduced graphene oxide composites: application for electromagnetic wave absorption at high temperature. <i>Scientific Reports</i> , <b>2015</b> , 5, 9298	4.9	73
54	Polymerization of disubstituted acetylenes by monodentate NHC-Pd catalysts. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 7127-7132	4.9	13
53	Ethylene Polymerization and Copolymerization with Polar Monomers by Cationic Phosphine Phosphonic Amide Palladium Complexes. <i>ACS Catalysis</i> , <b>2015</b> , 5, 5932-5937	13.1	112
52	Ring-opening polymerization of rac-lactide using anilinetropone-based aluminum complexes-sidearm effect on the catalysis. <i>Polymer</i> , <b>2015</b> , 64, 234-239	3.9	17
51	Highly Robust Palladium(II) $\eta^2$ -Diimine Catalysts for Slow-Chain-Walking Polymerization of Ethylene and Copolymerization with Methyl Acrylate. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9948-5316.4	16.4	257
50	Redox-Controlled Olefin (Co)Polymerization Catalyzed by Ferrocene-Bridged Phosphine-Sulfonate Palladium Complexes. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15740-15744	3.6	33
49	Highly Robust Palladium(II) $\eta^2$ -Diimine Catalysts for Slow-Chain-Walking Polymerization of Ethylene and Copolymerization with Methyl Acrylate. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 10086-10091	3.6	45

48	Redox-Controlled Olefin (Co)Polymerization Catalyzed by Ferrocene-Bridged Phosphine-Sulfonate Palladium Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15520-4	16.4	112
47	Synthesis and Tribological Studies of Branched Alcohol Derived Epoxidized Biodiesel. <i>Materials</i> , <b>2015</b> , 8, 6623-6632	3.5	3
46	Facile synthesis of graphene-like Co <sub>3</sub> S <sub>4</sub> nanosheet/Ag <sub>2</sub> S nanocomposite with enhanced performance in visible-light photocatalysis. <i>Applied Surface Science</i> , <b>2015</b> , 351, 374-381	6.7	35
45	Norbornene homopolymerization and copolymerization with ethylene by phosphine-sulfonate nickel catalysts. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 2669-2676	4.9	72
44	Doped graphene for metal-free catalysis. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 2841-57	58.5	608
43	One for two: conversion of waste chicken feathers to carbon microspheres and (NH <sub>4</sub> )HCO <sub>3</sub> . <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 6500-7	10.3	23
42	Synthesis and application of binuclear diimine nickel/palladium catalysts with a conjugated backbone. <i>Dalton Transactions</i> , <b>2014</b> , 43, 2900-6	4.3	47
41	Syntheses of Well-Defined Functional Isotactic Polypropylenes via Efficient Copolymerization of Propylene with $\alpha$ -Halo- $\beta$ -alkenes by Post-metallocene Hafnium Catalyst. <i>Macromolecules</i> , <b>2014</b> , 47, 552-559	5.5	77
40	Facile synthesis of $\beta$ -diketone alcohols for combined functionality: initiation, catalysis, and luminescence. <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 566-73	4.8	19
39	Ni(II) Phenoxyiminato Olefin Polymerization Catalysis: Striking Coordinative Modulation of Hyperbranched Polymer Microstructure and Stability by a Proximate Sulfonyl Group. <i>ACS Catalysis</i> , <b>2014</b> , 4, 999-1003	13.1	80
38	WO <sub>3</sub> and Ag nanoparticle co-sensitized TiO <sub>2</sub> nanowires: preparation and the enhancement of photocatalytic activity. <i>RSC Advances</i> , <b>2014</b> , 4, 23831-23837	3.7	25
37	Core-shell CeO <sub>2</sub> @C nanospheres as enhanced anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 6790	13	49
36	Magnetically responsive photonic watermarks on banknotes. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 3695	7.1	100
35	Large-scale synthesis of monodisperse magnesium ferrite via an environmentally friendly molten salt route. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 2053-7	5.1	17
34	Conversion of chicken feather waste to N-doped carbon nanotubes for the catalytic reduction of 4-nitrophenol. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 10191-7	10.3	86
33	Cationic Palladium(II) Complexes of Phosphine-Sulfonamide Ligands: Synthesis, Characterization, and Catalytic Ethylene Oligomerization. <i>Organometallics</i> , <b>2014</b> , 33, 3738-3745	3.8	40
32	Low-cost, acid/alkaline-resistant, and fluorine-free superhydrophobic fabric coating from onionlike carbon microspheres converted from waste polyethylene terephthalate. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 2928-33	10.3	39
31	Preparation of Biodiesel from Soybean Catalyzed by Basic Ionic Liquids [Hnmm]OH. <i>Materials</i> , <b>2014</b> , 7, 8012-8023	3.5	18



30	Visible-Light Active and Magnetically Recyclable Nanocomposites for the Degradation of Organic Dye. <i>Materials</i> , <b>2014</b> , 7, 4034-4044	3.5	28
29	Metal-free catalytic reduction of 4-nitrophenol to 4-aminophenol by N-doped graphene. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 3260	35.4	33 <sup>o</sup>
28	Friction and Wear Protection Performance of Synthetic Siloxane Lubricants. <i>Tribology Letters</i> , <b>2013</b> , 51, 365-376	2.8	9
27	Energy Efficient Siloxane Lubricants Utilizing Temporary Shear-Thinning. <i>Tribology Letters</i> , <b>2013</b> , 49, 525-538	2.8	10
26	Controlled Synthesis of Carbon Nanoparticles in a Supercritical Carbon Disulfide System. <i>Materials</i> , <b>2013</b> , 7, 97-105	3.5	22
25	Low temperature synthesis and photocatalytic property of perovskite-type LaCoO <sub>3</sub> hollow spheres. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 576, 5-12	5.7	64
24	Magnetically controllable colloidal photonic crystals: unique features and intriguing applications. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 6013	7.1	42
23	Facile approach to prepare Pd nanoarray catalysts within porous alumina templates on macroscopic scales. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 12695-700	9.5	21
22	Invisible photonic printing: computer designing graphics, UV printing and shown by a magnetic field. <i>Scientific Reports</i> , <b>2013</b> , 3, 1484	4.9	88
21	Molecularly-Engineered Lubricants: Synthesis, Activation, and Tribological Characterization of Silver Complexes as Lubricant Additives. <i>Advanced Engineering Materials</i> , <b>2012</b> , 14, 101-105	3.5	11
20	Lubrication Properties of Polyalphaolefin and Polysiloxane Lubricants: Molecular Structure-Tribology Relationships. <i>Tribology Letters</i> , <b>2012</b> , 48, 355	2.8	35
19	Suppression of $\beta$ -Hydride Chain Transfer in Nickel(II)-Catalyzed Ethylene Polymerization via Weak Fluorocarbon Ligand-Product Interactions. <i>Organometallics</i> , <b>2012</b> , 31, 3773-3789	3.8	114
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16	Lewis Acid Catalyzed Synthesis of Poly(pyrazolyl)borate Ligands. <i>Organometallics</i> , <b>2010</b> , 29, 3679-3682	3.8	4
15	Synthesis, Structures, and Ethylene Polymerization Behavior of Bis(pyrazolyl)borate Zirconium and Hafnium Benzyl Complexes. <i>Organometallics</i> , <b>2010</b> , 29, 5373-5381	3.8	23
14	Palladium-catalyzed dimerization of vinyl ethers to acetals. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 10254-5	16.4	71
13	Synthesis and ethylene polymerization behavior of {MeB(3-Ph-pyrazolyl) <sub>3</sub> }TiCl <sub>3</sub> . <i>Journal of Organometallic Chemistry</i> , <b>2010</b> , 695, 2543-2547	2.3	9

12	Formation of C60 by reduction of CO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , <b>2009</b> , 50, 42-45	4.2	18
11	RECENT DEVELOPMENT IN DIAMOND SYNTHESIS. <i>International Journal of Modern Physics B</i> , <b>2008</b> , 22, 309-326	1.1	5
10	Multiple insertion of a silyl vinyl ether by (alpha-diimine)PdMe <sup>+</sup> species. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 12892-3	16.4	84
9	Reducing reaction of Fe <sub>3</sub> O <sub>4</sub> in nanoscopic reactors of a-CNTs. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 1724-8	3.4	30
8	Synthesis of carbon/Fe <sub>3</sub> O <sub>4</sub> coaxial nanofibres by pyrolysis of ferrocene in supercritical carbon dioxide. <i>Carbon</i> , <b>2007</b> , 45, 727-731	10.4	47
7	Fabrication of Y-junction carbon nanotubes by reduction of carbon dioxide with sodium borohydride. <i>Diamond and Related Materials</i> , <b>2006</b> , 15, 1540-1543	3.5	30
6	Large-scale synthesis of carbon spheres by reduction of supercritical CO <sub>2</sub> with metallic calcium. <i>Chemical Physics Letters</i> , <b>2006</b> , 421, 584-588	2.5	24
5	Growth of conical carbon nanotubes by chemical reduction of MgCO <sub>3</sub> . <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 10557-60	3.4	20
4	A Novel Way for Preparing Cu Nanowires. <i>Chemistry Letters</i> , <b>2005</b> , 34, 430-431	1.7	7
3	Formation of variously shaped carbon nanotubes in carbon dioxide/alkali metal (Li, Na) system. <i>Carbon</i> , <b>2005</b> , 43, 1104-1108	10.4	21
2	Preparation of carbon micro-spheres by hydrothermal treatment of methylcellulose sol. <i>Materials Letters</i> , <b>2005</b> , 59, 3738-3741	3.3	49
1	Promoting Ethylene (co)Polymerization in Aliphatic Hydrocarbon Solvents Using tert-Butyl Substituted Nickel Catalysts. <i>Chinese Journal of Chemistry</i> ,	4.9	3