

Wen-Hua Sun

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Palladium-Catalyzed Enantioselective Intramolecular Heck Carbonylation Reactions: Asymmetric Synthesis of 2-Oxindole Ynones and Carboxylic Acids. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	15
2	Ring size enlargement in an <i>ortho</i> -cycloalkyl-substituted bis(imino)pyridine-cobalt ethylene polymerization catalyst and its impact on performance and polymer properties. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6529.	3.5	8
3	Kinetic Insights into Cyanosilylation of Aldehydes Catalyzed by a Covalently Bridged Dinuclear (Salen)titanium Complex. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	3
4	Investigating the Effects of Para-methoxy Substitution in Sterically Enhanced Unsymmetrical Bis(arylimino)pyridine-cobalt Ethylene Polymerization Catalysts. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2022, 40, 266-279.	3.8	5
5	Highly active and thermostable camphyl \pm -diimine-nickel(II) catalysts for ethylene polymerization: Effects of <i>N</i> -aryl substituting groups on catalytic properties and branching structures of polyethylene. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	3.5	10
6	Trifluoromethoxy-substituted nickel catalysts for producing highly branched polyethylenes: impact of solvent, activator and <i>N</i> , <i>N</i> -ligand on polymer properties. <i>Polymer Chemistry</i> , 2022, 13, 1040-1058.	3.9	16
7	Phenoxy-imine/-amide aluminum complexes with pendant or coordinated pyridine moieties: Solvent effects on structural type and catalytic capability for the ROP of cyclic esters. <i>Polymer</i> , 2022, 242, 124602.	3.8	5
8	Fluorinated 2,6-bis(arylimino)pyridyl iron complexes targeting bimodal dispersive polyethylenes: probing chain termination pathways <i>via</i> a combined experimental and DFT study. <i>Dalton Transactions</i> , 2022, 51, 8290-8302.	3.3	7
9	Polyethylene Waxes with Short Chain Branching via Steric and Electronic Tuning of an 8-(Arylimino)-5,6,7-trihydroquinoline-nickel Catalyst. <i>Organometallics</i> , 2022, 41, 3197-3211.	2.3	7
10	Modulating Thermostability and Productivity of Benzhydryl-Substituted Bis(imino)pyridine-Iron $C_{2}H_{4}$ Polymerization Catalysts through <i>ortho</i> - $C_{n}H_{2n+1}$ ($n=5, 6, 8, 12$) Ring Size Adjustment. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	2.0	7
11	4,4'-Dimethoxybenzhydryl substituent augments performance of bis(imino)pyridine cobalt-based catalysts in ethylene polymerization. <i>RSC Advances</i> , 2022, 12, 15741-15750.	3.6	3
12	Chiral oxamide-phosphine-palladium catalyzed highly asymmetric allylic amination: carbonyl assistance for high regio- and enantiocontrols. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3976-3989.	4.5	7
13	$CF_{3}O$ -Functionalized Bis(arylimino)pyridine-Cobalt Ethylene Polymerization Catalysts: Harnessing Solvent Effects on Performance and Polymer Properties. <i>Organometallics</i> , 2022, 41, 3237-3248.	2.3	10
14	Revisiting the 2-imino-1,10-phenanthrolylmetal precatalyst in ethylene oligomerization: Benzhydryl-modified cobalt(II) complexes and their dimerization of ethylene. <i>Polyhedron</i> , 2021, 193, 114865.	2.2	6
15	Fluorinated cobalt catalysts and their use in forming narrowly dispersed polyethylene waxes of high linearity and incorporating vinyl functionality. <i>Catalysis Science and Technology</i> , 2021, 11, 656-670.	4.1	17
16	Post-functionalization of narrowly dispersed PE waxes generated using tuned N,N -cobalt ethylene polymerization catalysts substituted with <i>ortho</i> -cycloalkyl groups. <i>Polymer</i> , 2021, 213, 123294.	3.8	12
17	Formation of branched polyethylenes by ethylene homopolymerization using $LNiBr_{2}$ homo- and heterogeneous precatalysts: Interpretation of the polymer structures in comparison with commercial $LLDPE$. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50436.	2.6	6
18	Box-copper catalyzed asymmetric inverse-electron-demand oxa-hetero-Diels-Alder reaction for efficient synthesis of spiro pyran-oxindole derivatives. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2009-2018.	4.5	8

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19	Doubly fused π -conjugated-iron ethylene polymerization catalysts appended with fluoride substituents; probing catalytic performance via a combined experimental and MLR study. <i>Catalysis Science and Technology</i> , 2021, 11, 4605-4618.	4.1	8
20	Bimetallic aluminum complexes bearing novel spiro-phenanthrene-monoketone/OH derivatives: synthesis, characterization and the ring-opening polymerization of μ -caprolactone. <i>RSC Advances</i> , 2021, 11, 13274-13281.	3.6	9
21	A Type of Structurally Adaptable Aromatic Spiroketal Based Chiral Diphosphine Ligands in Asymmetric Catalysis. <i>Accounts of Chemical Research</i> , 2021, 54, 668-684.	15.6	61
22	Synthesis of Enantiopure Hydrocarbon Cages Based on an Optically Resolved C_3 -Symmetric Triaminotribenzotriquinacene. <i>Organic Letters</i> , 2021, 23, 1478-1483.	4.6	9
23	Rational Design of Cycloheptyl-Fused Bis(arylimino)pyridyl-Cobalt(II) Precatalysts Adorned with Sterically and Electronically Modified π -Aryls for Enhancing Ethylene Polymerization. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 720-733.	2.0	8
24	The Quantitative Influence of Coordinated Halogen Atoms on the Catalytic Performance of Bisiminoacenaphthylnickel Complexes in Ethylene Polymerization. <i>ChemPhysChem</i> , 2021, 22, 585-592.	2.1	8
25	Enhancing Ethylene Polymerization of π -NNN-Cobalt(II) Precatalysts Adorned with a Fluoro-substituent. <i>ACS Omega</i> , 2021, 6, 4448-4460.	3.5	11
26	Structural diversity in substituted aminosilylaminopyridinate metal (Zr or Fe) complexes: Synthesis, structures, and ethylene polymerization. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6240.	3.5	2
27	The benzhydryl-modified 2-imino-1,10-phenanthrolyliron precatalyst in ethylene oligomerization. <i>Journal of Organometallic Chemistry</i> , 2021, 936, 121713.	1.8	4
28	Resin Transfer Moldable Fluorinated Phenylethynyl-Terminated Imide Oligomers with High Tg: Structure-Melt Stability Relationship. <i>Polymers</i> , 2021, 13, 903.	4.5	8
29	Nature of Heterobinuclear Ni(I) Complexes Formed upon the Activation of the π -Diimine Complex $LNiIBr_2$ with $AlMe_3$ and MMAO. <i>Organometallics</i> , 2021, 40, 907-914.	2.3	6
30	Exploring $ortho$ - $(4,4'$ -dimethoxybenzhydryl) substitution in iron ethylene polymerization catalysts: Co-catalyst effects, thermal stability, and polymer molecular weight variations. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6259.	3.5	14
31	Pd-Catalyzed Regio- and Enantioselective Aminoarylation of Allenols with Aryl Iodides and 2-Pyridones. <i>Organic Letters</i> , 2021, 23, 3567-3572.	4.6	17
32	Enhancing Performance of a Bis(arylimino)pyridine-Iron Precatalyst for Ethylene Polymerization by Substitution with a 2,4-Bis(4,4'-dimethoxybenzhydryl)-6-methylphenyl Group. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1571-1580.	2.0	8
33	Ethylene oligomerization with 2-hydroxymethyl-5,6,7-trihydroquinolinyl-8-ylideneamine-Ni(II) chlorides. <i>Journal of Organometallic Chemistry</i> , 2021, 937, 121720.	1.8	10
34	Thermally resilient cobalt ethylene polymerization catalysts under the joint influence of co-catalyst, gem-dimethyl substitution and ortho-cycloalkyl ring size. <i>Polymer</i> , 2021, 222, 123684.	3.8	9
35	Rational design and synthesis of AIE active cationic Ir(III) complexes featuring iminopyridine ligand with dibenzosuberane core. <i>Journal of Organometallic Chemistry</i> , 2021, 939, 121770.	1.8	4
36	Multinuclear late transition metal catalysts for olefin polymerization. <i>Coordination Chemistry Reviews</i> , 2021, 434, 213788.	18.8	36

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37	Chiral Bidentate Phosphoramidite-Pd Catalyzed Asymmetric Decarboxylative Dipolar Cycloaddition for Multistereogenic Tetrahydrofurans with Cyclic α -Sulfonyl Ketimine Moieties. <i>Organic Letters</i> , 2021, 23, 4715-4720.	4.6	19
38	Boosting activity, thermostability, and lifetime of iron ethylene polymerization catalysts through gem-dimethyl substitution and incorporation of ortho-cycloalkyl substituents. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6376.	3.5	5
39	Catalytic Performance of Cycloalkyl-Fused Aryliminopyridyl Nickel Complexes toward Ethylene Polymerization by QSPR Modeling. <i>Catalysts</i> , 2021, 11, 920.	3.5	3
40	Exploring an aggregation induced emission behaviour of neutral iridium complexes consisting of salicylaldehyde ligand with dibenzosuberone core. <i>Journal of Organometallic Chemistry</i> , 2021, 949, 121954.	1.8	2
41	Integrating Ring-Size Adjustable Cycloalkyl and Benzhydryl Groups as the Steric Protection in Bis(arylimino)trihydroquinoline-Cobalt Catalysts for Ethylene Polymerization. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3956.	2.0	1
42	β , β' -Bis(imino)-2,3:5,6-bis(pentamethylene)pyridines appended with benzhydryl and cycloalkyl substituents: Probing their effectiveness as tunable α -N,N,N'-supports for cobalt ethylene polymerization catalysts. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6429.	3.5	6
43	Ni-Catalyzed Regioselective Hydroarylation of 1-Aryl-3-Butadienes with Aryl Halides. <i>Chemistry - A European Journal</i> , 2021, 27, 15903-15907.	3.3	10
44	Cationic iridium (III) complexes bearing fluorinated Ar-BIAN ligands: Synthesis, structure, electronic, and electrochemical properties. <i>Journal of Organometallic Chemistry</i> , 2021, 951, 122002.	1.8	2
45	Remote dibenzocycloheptyl substitution on a bis(arylimino)pyridyl-iron ethylene polymerization catalyst; enhanced thermal stability and unexpected effects on polymer properties. <i>Polymer Chemistry</i> , 2021, 12, 4214-4225.	3.9	14
46	Investigating Branched Polyethylene Sensors for Applications in Prosthetics. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100206.	2.2	4
47	Fluorinated Sterically Bulky Mononuclear and Binuclear 2-Iminopyridylnickel Halides for Ethylene Polymerization: Effects of Ligand Frameworks and Remote Substituents. <i>ACS Omega</i> , 2021, 6, 30157-30172.	3.5	10
48	Efficient base-free hydrodehalogenation of organic halides catalyzed by a well-defined diphosphine-ruthenium(II) complex. <i>Molecular Catalysis</i> , 2021, 516, 111953.	2.0	3
49	Naphthalenyl-Substituted β , β' -Bisimino-2,3-bis(5,6-bis(pentamethylene)pyridines as Thermally Robust Supports for Iron Ethylene Polymerization Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4530-4538.	2.0	4
50	Bis(imino)-6,7-dihydro-5H-quinoline-cobalt complexes as highly active catalysts for the formation of vinyl-terminated PE waxes; steps towards inhibiting deactivation pathways through targeted ligand design. <i>RSC Advances</i> , 2021, 11, 39869-39878.	3.6	3
51	Direct synthesis of ring-fused quinolines and pyridines catalyzed by α -NNH ₂ -ligated manganese complexes (Y = NR ₂ or SR). <i>Catalysis Science and Technology</i> , 2021, 11, 8026-8036.	4.1	9
52	2-Acetyloxymethyl-substituted 5,6,7-trihydroquinolinyl-8-cyclideneamine-Ni(II) chlorides and their application in ethylene dimerization/trimerization. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5254.	3.5	11
53	Probing the effect of ortho-cycloalkyl ring size on activity and thermostability in cycloheptyl-fused α -N,N,N'-iron ethylene polymerization catalysts. <i>Dalton Transactions</i> , 2020, 49, 136-146.	3.3	31
54	Attaining highly branched polyethylene elastomers by employing modified β -diiminonickel(II) catalysts: Probing the effects of enhancing fluorine atom on the ligand framework towards mechanical properties of polyethylene. <i>Polymer</i> , 2020, 187, 122089.	3.8	24

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55	Machine Learning in Catalysis, From Proposal to Practicing. ACS Omega, 2020, 5, 83-88.	3.5	108
56	The nature of nickel species formed upon the activation of \pm -diimine nickel(II) pre-catalyst with alkylaluminum sesquichlorides. Journal of Organometallic Chemistry, 2020, 907, 121063.	1.8	11
57	Aza-crown compounds synthesised by the self-condensation of 2-amino-benzyl alcohol over a pincer ruthenium catalyst and applied in the transfer hydrogenation of ketones. Dalton Transactions, 2020, 49, 15821-15827.	3.3	3
58	Norbornadiene homopolymerization and norbornene/norbornadiene/1-octene terpolymerization by <i>ansa</i> -fluorenylamidotitanium-based catalysts. Polymer Chemistry, 2020, 11, 6803-6810.	3.9	7
59	Achieving strictly linear polyethylenes by the <i>NNN</i> -Fe precatalysts finely tuned with different sizes of <i>ortho</i> -cycloalkyl substituents. Applied Organometallic Chemistry, 2020, 34, e5937.	3.5	15
60	Comparison of the Reactivity and Structures for the Neutral and Cationic Bis(imino)pyridyl Iron and Cobalt Species by DFT Calculations. Catalysts, 2020, 10, 1396.	3.5	6
61	Activation of an \pm -Diimine Ni(II) Precatalyst with AlMe ₃ and Al ⁱ Bu ₃ : Catalytic and NMR and EPR Spectroscopy Studies. Organometallics, 2020, 39, 3034-3040.	2.3	13
62	Adjusting Ortho-Cycloalkyl Ring Size in a Cycloheptyl-Fused N,N,N-Iron Catalyst as Means to Control Catalytic Activity and Polyethylene Properties. Catalysts, 2020, 10, 1002.	3.5	16
63	2-(<i>N,N</i> -Diethylaminomethyl)-6,7-trihydroquinoliny-8-ylideneamine-Ni(η^5) chlorides: application in ethylene dimerization and trimerization. New Journal of Chemistry, 2020, 44, 17047-17052.	2.8	7
64	6-Arylimino-2-(2-(1-phenylethyl)naphthalen-1-yl)-iminopyridylmetal (Fe and Co) Complexes as Highly Active Precatalysts for Ethylene Polymerization: Influence of Metal and/or Substituents on the Active, Thermostable Performance of Their Complexes and Resultant Polyethylenes. Molecules, 2020, 25, 4244.	3.8	12
65	Unifying Molecular Weights of Highly Linear Polyethylene Waxes through Unsymmetrical 2,4-Bis(imino)pyridylchromium Chlorides. Molecules, 2020, 25, 5584.	3.8	2
66	Potassium N-arylbenzimidates as readily accessible and benign (pre)catalysts for the ring opening polymerization of μ -CL and L-LA. Molecular Catalysis, 2020, 498, 111280.	2.0	9
67	4,4'-Difluorobenzhydryl-modified bis(imino)-pyridyliron(η^5) chlorides as thermally stable precatalysts for strictly linear polyethylenes with narrow dispersities. Dalton Transactions, 2020, 49, 7384-7396.	3.3	25
68	Sterically and Electronically Modified Aryliminopyridyl-Nickel Bromide Precatalysts for an Access to Branched Polyethylene with Vinyl/Vinylene End Groups. ACS Omega, 2020, 5, 10610-10625.	3.5	18
69	Synthesis of protected \pm -amino acids via decarboxylation amination from malonate derivatives. Organic and Biomolecular Chemistry, 2020, 18, 4439-4446.	2.8	3
70	Manganese-Catalyzed <i>anti</i> -Selective Asymmetric Hydrogenation of \pm -Substituted β -Ketoamides. Angewandte Chemie, 2020, 132, 15695-15699.	2.0	24
71	Bis-cycloheptyl-fused bis(imino)pyridine-cobalt catalysts for PE wax formation: positive effects of fluoride substitution on catalytic performance and thermal stability. Dalton Transactions, 2020, 49, 9425-9437.	3.3	29
72	Ruthenium-catalyzed hydrogenation of CO ₂ as a route to methyl esters for use as biofuels or fine chemicals. Chemical Science, 2020, 11, 6766-6774.	7.4	13

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73	Enhancing performance of $\text{Ni}(\text{diiminonickel})$ precatalyst for ethylene polymerization by substitution with the 2,4-bis(4,4'-dimethoxybenzhydryl)-6-methylphenyl group. <i>Applied Organometallic Chemistry</i> , 2020, 34, 3.5 e5638.		13
74	High molecular weight polyethylenes of narrow dispersity promoted using bis(arylimino)cyclohepta[<i>b</i>]pyridine-cobalt catalysts <i>ortho</i> -substituted with benzhydryl & cycloalkyl groups. <i>Dalton Transactions</i> , 2020, 49, 4774-4784.	3.3	22
75	Organo-catalyzed asymmetric cascade annulation reaction for the construction of bi-spirocyclic pyrazolone and oxindole derivatives. <i>Organic Chemistry Frontiers</i> , 2020, 7, 796-809.	4.5	21
76	Recent advancements in N-ligated group 4 molecular catalysts for the (co)polymerization of ethylene. <i>Coordination Chemistry Reviews</i> , 2020, 411, 213254.	18.8	71
77	Modular Chiral Bisoxalamide-Copper-Catalyzed Asymmetric Oxo-Diels-Alder Reaction: Carbonyl Coordination for High Enantio- and Diastereocontrols. <i>ACS Catalysis</i> , 2020, 10, 3556-3563.	11.2	25
78	Alkyl substituents triggered an unexpected formation of mono- and dinuclear zirconium hydrazonate complexes: synthesis, characterization and their catalytic behavior toward ethylene polymerization. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5586.	3.5	5
79	The chloro-substituent enhances performance of 2,4-bis(imino)pyridylchromium catalysts yielding highly linear polyethylene. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5471.	3.5	6
80	Chiral Binaphthyl Box-Copper-Catalyzed Enantioselective Tandem Michael-Ketalization Annulations for Optically Active Aryl and Heteroaryl Fused Bicyclicnonanes. <i>Organic Letters</i> , 2020, 22, 3936-3941.	4.6	8
81	New family of single-component Ni catalysts for ethylene polymerization to high and ultrahigh molecular weight polyethylene. <i>Science China Chemistry</i> , 2020, 63, 753-754.	8.2	2
82	Synthesis of characteristic polyisoprenes using rationally designed iminopyridyl metal (Fe and Co) precatalysts: investigation of co-catalysts and steric influence on their catalytic activity. <i>New Journal of Chemistry</i> , 2020, 44, 8076-8084.	2.8	17
83	Recent developments in vanadium-catalyzed olefin coordination polymerization. <i>Coordination Chemistry Reviews</i> , 2020, 416, 213332.	18.8	54
84	Manganese-Catalyzed <i>anti</i> -Selective Asymmetric Hydrogenation of β -Substituted β -Ketoamides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15565-15569.	13.8	67
85	Prediction of catalytic activities of bis(imino)pyridine metal complexes by machine learning. <i>Journal of Computational Chemistry</i> , 2020, 41, 1064-1067.	3.3	7
86	Methylene-bridged bis(8-arylimino)-5,6,7-trihydroquinolynickel precatalysts for ethylene polymerization. <i>Journal of Polymer Science</i> , 2020, 58, 1675-1686.	3.8	8
87	NNN-type iron(II) complexes consisting sterically hindered dibenzocycloheptyl group: Synthesis and catalytic activity towards ethylene polymerization. <i>Molecular Catalysis</i> , 2020, 492, 110981.	2.0	17
88	Achieving polydisperse HDPE by <i>N,N,N</i> -Co precatalysts appended with <i>N</i> -2,4-bis(di(4-methoxyphenyl)methyl)-6-methylphenyl. <i>RSC Advances</i> , 2020, 10, 43400-43411.	3.6	9
89	Co-catalyst effects on the thermal stability/activity of <i>N,N,N</i> -Co ethylene polymerization Catalysts Bearing Fluoro-Substituted <i>N</i> -2,6-dibenzhydrylphenyl groups. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5134.	3.5	24
90	Exceptionally high molecular weight linear polyethylene by using <i>N,N,N</i> -Co catalysts appended with a <i>N</i> -2,6-bis(di(4-fluorophenyl)methyl)-4-nitrophenyl group. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5157.	3.5	13

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91	Recent progress in the application of group 1, 2 & 13 metal complexes as catalysts for the ring opening polymerization of cyclic esters. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2619-2652.	6.0	76
92	Chiral N-Heterocyclic-Carbene-Catalyzed Cascade Asymmetric Desymmetrization of Cyclopentenediones with Enals: Access to Optically Active 1,3-Indandione Derivatives. <i>Organic Letters</i> , 2019, 21, 8582-8586.	4.6	23
93	Synthesis of Chiral Tertiary β -difluoromethyl Carbinols by Cu-Catalyzed Asymmetric Propargylation. <i>Chemistry - A European Journal</i> , 2019, 25, 16425-16434.	3.3	12
94	Finely Tuned β -Bis(arylimino)-2,3:5,6-bis(pentamethylene)pyridine-Based Practical Iron Precatalysts for Targeting Highly Linear and Narrow Dispersive Polyethylene Waxes with Vinyl Ends. <i>Organometallics</i> , 2019, 38, 4455-4470.	2.3	33
95	Construction of All-Carbon Chiral Quaternary Centers through Cu-Catalyzed Enantioselective Reductive Hydroxymethylation of 1,1-disubstituted Allenes with CO_2 . <i>Chemistry - A European Journal</i> , 2019, 25, 13874-13878.	3.3	43
96	Effect of cycloalkyl-fused ring on the catalytic performance of bis(imino)pyridine metal complexes by QSPR modeling. <i>Catalysis Communications</i> , 2019, 132, 105820.	3.3	4
97	Catalytic performance of bis(imino)pyridine Fe/Co complexes toward ethylene polymerization by 2D-3D-QSPR modeling. <i>Journal of Computational Chemistry</i> , 2019, 40, 1374-1386.	3.3	14
98	Branched polyethylenes attainable using thermally enhanced bis(imino)acenaphthene-nickel catalysts: Exploring the effects of temperature and pressure. <i>Applied Catalysis A: General</i> , 2019, 573, 73-86.	4.3	33
99	Highly efficient iron(II) catalysts toward ring opening polymerization of ϵ -caprolactone through in situ initiation. <i>Inorganica Chimica Acta</i> , 2019, 488, 299-303.	2.4	14
100	Plastomeric-like polyethylenes achievable using thermally robust β -nickel catalysts appended with electron withdrawing difluorobenzhydryl and nitro groups. <i>Dalton Transactions</i> , 2019, 48, 1878-1891.	3.3	30
101	Bis(imino)pyridines fused with 6- and 7-membered carbocyclic rings as β -scaffolds for cobalt ethylene polymerization catalysts. <i>Dalton Transactions</i> , 2019, 48, 2582-2591.	3.3	42
102	The Catalytic Activities of Carbocyclic Fused Pyridineimine Nickel Complexes Analogues in Ethylene Polymerization by Modeling Study. <i>Catalysts</i> , 2019, 9, 520.	3.5	8
103	Achievement of strictly linear ultra-high molecular weight polyethylene with narrow dispersity by dint of nitro-enhanced 2,6-bis(imino)pyridylchromium chloride complexes. <i>New Journal of Chemistry</i> , 2019, 43, 11307-11315.	2.8	7
104	Activity and Thermal Stability of Cobalt(II)-Based Olefin Polymerization Catalysts Adorned with Sterically Hindered Dibenzocycloheptyl Groups. <i>Molecules</i> , 2019, 24, 2007.	3.8	22
105	β -Dimethyl-substituted bis(imino)dihydroquinolines as thermally stable supports for highly active cobalt catalysts that produce linear PE waxes. <i>Dalton Transactions</i> , 2019, 48, 8175-8185.	3.3	23
106	1,5-Naphthyl-linked bis(imino)pyridines as binucleating scaffolds for dicobalt ethylene oligo-/polymerization catalysts: exploring temperature and steric effects. <i>Dalton Transactions</i> , 2019, 48, 8264-8278.	3.3	19
107	Access to polyethylene elastomers via ethylene homo-polymerization using N,N'-nickel(II) catalysts appended with electron withdrawing difluorobenzhydryl group. <i>European Polymer Journal</i> , 2019, 117, 254-271.	5.4	27
108	A direct functionalization of polyolefins for blend compatibilization by an insertion of 1,1-bis(phenylsulfonyl)ethylene (BPSE). <i>Polymer Chemistry</i> , 2019, 10, 3325-3333.	3.9	14

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109	Substantially enhancing the catalytic performance of π -bis(imino)pyridylcobaltous chloride pre-catalysts adorned with benzhydryl and nitro groups for ethylene polymerization. Applied Organometallic Chemistry, 2019, 33, e4857.	3.5	33
110	Ir-Catalyzed Double Asymmetric Hydrogenation of 3,6-Dialkylidene-2,5-diketopiperazines for Enantioselective Synthesis of Cyclic Dipeptides. Journal of the American Chemical Society, 2019, 141, 8981-8988.	13.7	43
111	Ethylene polymerization of nickel catalysts with π -diimine ligands: factors controlling the structure of active species and polymer properties. Dalton Transactions, 2019, 48, 7974-7984.	3.3	40
112	Enhancing thermostability of iron ethylene polymerization catalysts through π -N,N'-bis(arylimino)-2,3:5,6-bis(hexamethylene)pyridines. Catalysis Science and Technology, 2019, 9, 1933-1943.	4.1	37
113	Highly linear polyethylenes tailored with 2,6-bis[1-(π -dibenzo-cycloheptylarylimino)ethyl]pyridylcobalt dichlorides. Dalton Transactions, 2019, 48, 5604-5613.	3.3	35
114	Chromium ethylene polymerization catalysts bearing sterically enhanced π -bis(imino)-2,3:5,6-bis(pentamethylene)pyridines: Tuning activity and molecular weight. Polymer, 2019, 171, 87-95.	3.8	9
115	Producing highly linear polyethylenes by using π -butyl-functionalized 2,6-bis(imino)pyridylchromium(III) chlorides. Journal of Polymer Science Part A, 2019, 57, 1049-1058.	2.3	8
116	Alkylaluminum activator effects on polyethylene branching using a π -N,N'-bis(dimethoxybenzhydryl)nickel precatalyst appended with bulky 4,4'-dimethoxybenzhydryl groups. Applied Organometallic Chemistry, 2019, 33, e4785.	3.5	19
117	Moderately branched ultra-high molecular weight polyethylene by using π -N,N'-bis(dibenzocycloheptyl)nickel catalysts adorned with sterically hindered dibenzocycloheptyl groups. Applied Organometallic Chemistry, 2019, 33, e4749.	3.5	34
118	Comparisons between homogeneous and immobilized 1-(2,6-dibenzhydryl-4-nitrophenylimino)-2-mesityliminoacenaphthylnickel bromide as a precatalyst in ethylene polymerization. Journal of Catalysis, 2019, 372, 103-108.	6.2	26
119	Highly Linear Polyethylenes Achieved Using Thermo-Stable and Efficient Cobalt Precatalysts Bearing Carbocyclic-Fused NNN-Pincer Ligand. Molecules, 2019, 24, 1176.	3.8	30
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328	Synthesis, characterization and ethylenepolymerization behavior of nickel dihalide complexes bearing bulky unsymmetrical 1,2-diimine ligands. <i>Catalysis Science and Technology</i> , 2012, 2, 415-422.	4.1	94
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344	Nickel bis{4,6-dibenzhydryl-2-[(arylimino)methyl]phenoxy} complexes: Synthesis, structures, and catalytic behaviour towards ethylene and norbornene. <i>Catalysis Science and Technology</i> , 2012, 2, 1340.	4.1	25
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353	Synthesis, characterization and ethylene (co-)polymerization behavior of half-titanocene 2-(1-(arylimino)ethyl)quinolin-8-olate chlorides. <i>Catalysis Science and Technology</i> , 2011, 1, 1208.	4.1	14
354	Spiro-2,2'-bichroman-based bisoxazoline (SPANbox) ligands for ZnII-catalyzed enantioselective hydroxylation of β -keto esters and 1,3-diester. <i>Chemical Science</i> , 2011, 2, 1141.	7.4	80
355	2-(1-Aryliminopropylidene)quinolylcobalt(ii) dichlorides: synthesis, characterization and catalytic behaviour towards ethylene. <i>Catalysis Science and Technology</i> , 2011, 1, 462.	4.1	16
356	2-(1-(Arylimino)propyl)quinolin-8-olate half-titanocene dichlorides: Synthesis, characterization and ethylene (co-)polymerization behaviour. <i>Dalton Transactions</i> , 2011, 40, 6802.	3.3	16
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358	Bidentate Iron(II) Dichloride Complexes Bearing Substituted 8-(Benzimidazol-2-yl)quinolines: Synthesis, Characterization, and Ethylene Polymerization Behavior. <i>Organometallics</i> , 2011, 30, 3658-3665.	2.3	30
359	Synthesis and Characterization of Dialkylaluminum Amidates and Their Ring-Opening Polymerization of μ -Caprolactone. <i>Organometallics</i> , 2011, 30, 6253-6261.	2.3	41
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