Randi Zhang

List of Publications by Year
in descending order

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24 papers	489 citations	516215 16 h-index	676716 22 g-index
24 all docs	24 docs citations	24 times ranked	173 citing authors

#	Article	IF	Citations
1	Enhancing thermostability of iron ethylene polymerization catalysts through N,N,N-chelation of doubly fused Î±,Î±â€²-bis(arylimino)-2,3:5,6-bis(hexamethylene)pyridines. Catalysis Science and Technology, 2019, 9, 1933-1943.	2.1	37
2	Moderately branched ultraâ€high molecular weight polyethylene by using N,Nâ€²â€nickel catalysts adorned with sterically hindered dibenzocycloheptyl groups. Applied Organometallic Chemistry, 2019, 33, e4749.	1.7	34
3	Branched polyethylenes attainable using thermally enhanced bis(imino)acenaphthene-nickel catalysts: Exploring the effects of temperature and pressure. Applied Catalysis A: General, 2019, 573, 73-86.	2.2	33
4	Finely tuned nickel complexes as highly active catalysts affording branched polyethylene of high molecular weight: 1-(2,6-Dibenzhydryl-4- methoxyphenylimino)-2-(arylimino)acenaphthylenenickel halides. Polymer, 2018, 153, 574-586.	1.8	30
5	Plastomeric-like polyethylenes achievable using thermally robust N,Nâ€²-nickel catalysts appended with electron withdrawing difluorobenzhydryl and nitro groups. Dalton Transactions, 2019, 48, 1878-1891.	1.6	30
6	Selectivity Effects on N,N,Nâ€²-Cobalt Catalyzed Ethylene Dimerization/Trimerization Dictated through Choice of Aluminoxane Cocatalyst. Organometallics, 2019, 38, 1143-1150.	1.1	30
7	Steric and electronic modulation of iron catalysts as a route to remarkably high molecular weight linear polyethylenes. Dalton Transactions, 2019, 48, 17488-17498.	1.6	25
8	4,4â€²-Difluorobenzhydryl-modified bis(imino)-pyridyliron(<scp>ii</scp>) chlorides as thermally stable precatalysts for strictly linear polyethylenes with narrow dispersities. Dalton Transactions, 2020, 49, 7384-7396.	1.6	25
9	CH(phenol)-Bridged Bis(imino)pyridines as Compartmental Supports for Diiron Precatalysts for Ethylene Polymerization: Exploring Cooperative Effects on Performance. Organometallics, 2018, 37, 4002-4014.	1.1	24
10	gem-Dimethyl-substituted bis(imino)dihydroquinolines as thermally stable supports for highly active cobalt catalysts that produce linear PE waxes. Dalton Transactions, 2019, 48, 8175-8185.	1.6	23
11	Vinyl/Vinylene functionalized highly branched polyethylene waxes obtained using electronically controlled cyclohexylâ€fused pyridinylimineâ€nickel precatalysts. Journal of Polymer Science Part A, 2018, 56, 1269-1281.	2.5	21
12	Achieving branched polyethylene waxes by aryliminocycloocta[b]pyridylnickel precatalysts: Synthesis, characterization, and ethylene polymerization. Journal of Polymer Science Part A, 2017, 55, 2601-2610.	2.5	19
13	1,5-Naphthyl-linked bis(imino)pyridines as binucleating scaffolds for dicobalt ethylene oligo-/polymerization catalysts: exploring temperature and steric effects. Dalton Transactions, 2019, 48, 8264-8278.	1.6	19
14	Alkylaluminum activator effects on polyethylene branching using a N,Nâ€²â€nickel precatalyst appended with bulky 4,4â€²â€dimethoxybenzhydryl groups. Applied Organometallic Chemistry, 2019, 33, e4785.	1.7	19
15	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.	1.6	18
16	Precipitation Polymerization: A Powerful Tool for Preparation of Uniform Polymer Particles. Polymers, 2022, 14, 1851.	2.0	17
17	Paradox of Late Transition-Metal Catalysts in Ethylene Polymerization. General Chemistry, 2020, 6, 190031-190031.	0.6	16
18	Trifluoromethoxy-substituted nickel catalysts for producing highly branched polyethylenes: impact of solvent, activator andN,Nâ€²-ligand on polymer properties. Polymer Chemistry, 2022, 13, 1040-1058.	1.9	16

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19	Remote dibenzocycloheptyl substitution on a bis(arylimino)pyridyl-iron ethylene polymerization catalyst; enhanced thermal stability and unexpected effects on polymer properties. Polymer Chemistry, 2021, 12, 4214-4225.	1.9	14
20	Exceptionally high molecular weight linear polyethylene by using N,N,Nâ€²â€•Co catalysts appended with a Nâ€² â€²,6â€²bis{di(4â€²fluorophenyl)methyl}â€²4â€²nitrophenyl group. Applied Organometallic Chemistry, 2019, 33, e5157.	3.7	13
21	Enhancing Ethylene Polymerization of NNN-Cobalt(II) Precatalysts Adorned with a Fluoro-substituent. ACS Omega, 2021, 6, 4448-4460.	1.6	11
22	Thermally resilient cobalt ethylene polymerization catalysts under the joint influence of co-catalyst, gem-dimethyl substitution and ortho-cycloalkyl ring size. Polymer, 2021, 222, 123684.	1.8	9
23	Boosting activity, thermostability, and lifetime of iron ethylene polymerization catalysts through gem â€dimethyl substitution and incorporation of ortho â€cycloalkyl substituents. Applied Organometallic Chemistry, 2021, 35, e6376.	1.7	5
24	Integrating Ringâ€Size Adjustable Cycloalkyl and Benzhydryl Groups as the Steric Protection in Bis(arylimino)trihydroquinolineâ€Cobalt Catalysts for Ethylene Polymerization. European Journal of Inorganic Chemistry, 2021, 2021, 3956.	1.0	1