

Hong-Liang Mu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5787016/publications.pdf>

Version: 2024-02-01

36
papers

1,332
citations

430874

18
h-index

345221

36
g-index

36
all docs

36
docs citations

36
times ranked

721
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutral Nickel Catalysts for Olefin Homo- and Copolymerization: Relationships between Catalyst Structures and Catalytic Properties. <i>Chemical Reviews</i> , 2015, 115, 12091-12137.	47.7	316
2	Robust Bulky [P,O] Neutral Nickel Catalysts for Copolymerization of Ethylene with Polar Vinyl Monomers. <i>ACS Catalysis</i> , 2018, 8, 5963-5976.	11.2	148
3	Recent advances in nickel mediated copolymerization of olefin with polar monomers. <i>Coordination Chemistry Reviews</i> , 2021, 435, 213802.	18.8	114
4	Penttiptycenyyl Substituents in Insertion Polymerization with $\hat{\text{I}}^{\pm}$ -Diimine Nickel and Palladium Species. <i>Organometallics</i> , 2019, 38, 2075-2083.	2.3	92
5	Colorless polyimides derived from 2R,5R,7S,10S-naphthanetetracarboxylic dianhydride. <i>Polymer Chemistry</i> , 2017, 8, 6165-6172.	3.9	62
6	Efficient Suppression of Chain Transfer and Branching via σ -Type Shielding in a Neutral Nickel(II) Catalyst. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4018-4022.	13.8	51
7	Observations and Mechanistic Insights on Unusual Stability of Neutral Nickel Complexes with a Sterically Crowded Metal Center. <i>Organometallics</i> , 2011, 30, 925-934.	2.3	41
8	Accessible, Highly Active Single-Component $\hat{\text{I}}^2$ -Ketiminato Neutral Nickel(II) Catalysts for Ethylene Polymerization. <i>Organometallics</i> , 2010, 29, 2306-2314.	2.3	40
9	Elaborate Tuning in Ligand Makes a Big Difference in Catalytic Performance: Bulky Nickel Catalysts for (Co)polymerization of Ethylene with Promising Vinyl Polar Monomers. <i>ChemCatChem</i> , 2019, 11, 2329-2340.	3.7	39
10	Highly Active Single-Component Neutral Nickel Ethylene Polymerization Catalysts: The Influence of Electronic Effects and Spectator Ligands. <i>Organometallics</i> , 2010, 29, 6282-6290.	2.3	35
11	Custom-made polar monomers utilized in nickel and palladium promoted olefin copolymerization. <i>Polymer Chemistry</i> , 2021, 12, 3878-3892.	3.9	33
12	Preparation and <i>in situ</i> chain-end-functionalization of branched ethylene oligomers by monosubstituted $\hat{\text{I}}^{\pm}$ -diimine nickel catalysts. <i>Polymer Chemistry</i> , 2019, 10, 2596-2607.	3.9	29
13	Well-defined phosphino-phenolate neutral nickel(ii) catalysts for efficient (co)polymerization of norbornene and ethylene. <i>Dalton Transactions</i> , 2015, 44, 7382-7394.	3.3	28
14	Efficient synthesis of diverse well-defined functional polypropylenes with high molecular weights and high functional group contents via thiol- π -halogen click chemistry. <i>Polymer Chemistry</i> , 2015, 6, 1150-1158.	3.9	26
15	[ONNO]-type oxovanadium(V) complexes containing amine pyridine bis(phenolate) ligands: synthesis, characterization and catalytic behavior for ethylene (co)polymerization. <i>Journal of Molecular Catalysis A</i> , 2015, 398, 289-296.	4.8	25
16	Ethylene polymerization by the chromium catalysts based on bidentate [O, $\text{Pi}\frac{3}{4}\text{O}$] or [S, P] ligands. <i>Journal of Polymer Science Part A</i> , 2010, 48, 311-319.	2.3	23
17	Systematic studies on dibenzhydryl and penttiptycenyyl substituted pyridine-imine nickel(ii) mediated ethylene polymerization. <i>Dalton Transactions</i> , 2020, 49, 4824-4833.	3.3	23
18	Heteroaryl Backbone Strategy in Bisphosphine Monoxide Palladium-Catalyzed Ethylene Polymerization and Copolymerization with Polar Monomers. <i>Organometallics</i> , 2019, 38, 2990-2997.	2.3	22

#	ARTICLE	IF	CITATIONS
19	Functionalization of vinylic addition polynorbornenes via efficient copolymerization of norbornene using Ni(II)–Me complexes. <i>Journal of Polymer Science Part A</i> , 2012, 50, 562-570.	2.3	17
20	Ethylene Polymerization and Copolymerization with Polar Monomers by Benzothiophene-bridged BPMPD-Pd Catalysts. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 579-586.	3.8	16
21	A comprehensive picture on catalyst structure construction in palladium catalyzed ethylene (co)polymerizations. <i>Journal of Catalysis</i> , 2020, 383, 215-220.	6.2	15
22	Indole-bridged bisphosphine-monoxide palladium catalysts for ethylene polymerization and copolymerization with polar monomers. <i>Polymer Chemistry</i> , 2020, 11, 2740-2748.	3.9	14
23	9,9-Dimethylxanthene-based binuclear phenoxy-imine neutral nickel(II) catalysts for ethylene homo- and copolymerization. <i>Journal of Organometallic Chemistry</i> , 2017, 836-837, 34-43.	1.8	13
24	A readily available neutral nickel catalyst for accessing linear ultrahigh molecular weight polyethylene in a living manner. <i>Journal of Catalysis</i> , 2021, 400, 332-337.	6.2	13
25	Suppression of Chain Transfer and Promotion of Chain Propagation in Neutral Anilino-tropone Nickel Polymerization Catalysis. <i>Macromolecules</i> , 2022, 55, 2533-2541.	4.8	13
26	New Half-Sandwich Chromium(III) Complexes Bearing Phenoxy-Phosphine (Oxide) [O,P(=O)] Ligands: Synthesis, Structures, and Catalytic Properties for Ethylene (Co)Polymerization. <i>Organometallics</i> , 2013, 32, 4805-4812.	2.3	12
27	Synthesis and gas separation performance of intrinsically microporous polyimides derived from sterically hindered binaphthalenetetracarboxylic dianhydride. <i>Polymer Chemistry</i> , 2020, 11, 4172-4179.	3.9	11
28	Palladium Promoted Copolymerization of Carbon Monoxide with Polar or Non-polar Olefinic Monomers. <i>Current Organic Chemistry</i> , 2021, 25, 287-300.	1.6	11
29	Positive Effect of Polar Solvents in Olefin Polymerization Catalysis. <i>Macromolecules</i> , 2022, 55, 5441-5447.	4.8	10
30	Phosphine (oxide)–(thio) phenolate palladium complexes: Synthesis, characterization and (co)polymerization of norbornene. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4013.	3.5	9
31	Slow-chain-walking polymerization of ethylene and highly chain-straightening polymerization of 1-hexene to access semicrystalline polyolefins. <i>European Polymer Journal</i> , 2022, 166, 111022.	5.4	7
32	Efficient Addition Polymerization of Norbornene with Polar Norbornene Derivatives by Neutral Nickel(II) Catalysts. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019, 37, 1215-1223.	3.8	6
33	Enhancement on Hemilabile Phosphine-Amide Palladium and Nickel Catalysts for Ethylene (Co)Polymerization with Polar Monomers Using a Cyclizing Strategy. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2022, 40, 241-247.	3.8	6
34	A high-performance polycyanurate network derived from 4,4'-biscyanato-2,2'-trifluoromethylbiphenyl. <i>Polymer Chemistry</i> , 2020, 11, 784-788.	3.9	5
35	Efficient Suppression of Chain Transfer and Branching via C–C Type Shielding in a Neutral Nickel(II) Catalyst. <i>Angewandte Chemie</i> , 2021, 133, 4064-4068.	2.0	5
36	Enhancement on Nickel-Mediated Ethylene Polymerization by Concerted Steric Hindrance and Fluorine Effect. <i>Acta Chimica Sinica</i> , 2022, 80, 741.	1.4	2