

Wen-Hua Sun

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604 papers	21,927 citations	72 h-index	114 g-index
629 ext. papers	23,812 ext. citations	4.3 avg, IF	7.15 L-index

#	Paper	IF	Citations
604	Novel olefin polymerization catalysts based on iron and cobalt. <i>Chemical Communications</i> , 1998 , 849-850	5.8	911
603	Iron and Cobalt Ethylene Polymerization Catalysts Bearing 2,6-Bis(Imino)Pyridyl Ligands: Synthesis, Structures, and Polymerization Studies. <i>Journal of the American Chemical Society</i> , 1999 , 121, 8728-8740	16.4	900
602	Bis(imino)pyridines: surprisingly reactive ligands and a gateway to new families of catalysts. <i>Chemical Reviews</i> , 2007 , 107, 1745-76	68.1	710
601	Self-supported catalysts. <i>Chemical Reviews</i> , 2009 , 109, 322-59	68.1	494
600	Oligomerisation of ethylene by bis(imino)pyridyliron and -cobalt complexes. <i>Chemistry - A European Journal</i> , 2000 , 6, 2221-31	4.8	309
599	Catalytic hydrogenation of cyclic carbonates: a practical approach from CO ₂ and epoxides to methanol and diols. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 13041-5	16.4	268
598	Highly Efficient Ruthenium-Catalyzed N-Formylation of Amines with H ₂ and CO. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6186-9	16.4	215
597	2,6-Dibenzhydryl-N-(2-phenyliminoacenaphthylidenylidene)-4-methylbenzenamine Nickel Dibromides: Synthesis, Characterization, and Ethylene Polymerization. <i>Organometallics</i> , 2011 , 30, 2418-2424	23.8	166
596	Cationic alkyl aluminium ethylene polymerization catalysts based on monoanionic N,N,N-pyridyliminoamide ligands. <i>Chemical Communications</i> , 1998 , 2523-2524	5.8	163
595	Intramolecularly Dinuclear Magnesium Complex Catalyzed Copolymerization of Cyclohexene Oxide with CO ₂ under Ambient CO ₂ Pressure: Kinetics and Mechanism. <i>Macromolecules</i> , 2006 , 39, 128-137	5.5	160
594	Iron(II) and Cobalt(II) 2-(Benzimidazolyl)-6-(1-(arylimino)ethyl)pyridyl Complexes as Catalysts for Ethylene Oligomerization and Polymerization. <i>Organometallics</i> , 2007 , 26, 2720-2734	3.8	158
593	Recent advances in Ni-mediated ethylene chain growth: Nimine-donor ligand effects on catalytic activity, thermal stability and oligo-/polymer structure. <i>Coordination Chemistry Reviews</i> , 2017 , 350, 68-83	23.2	154
592	Progression of Diiminopyridines: From Single Application to Catalytic Versatility. <i>ACS Catalysis</i> , 2015 , 5, 4713-4724	13.1	154
591	Recent progress on nickel-based systems for ethylene oligo-/polymerization catalysis. <i>Journal of Organometallic Chemistry</i> , 2014 , 751, 717-741	2.3	148
590	Tailoring iron complexes for ethylene oligomerization and/or polymerization. <i>Dalton Transactions</i> , 2013 , 42, 8988-97	4.3	146
589	Iron Complexes Bearing 2-Imino-1,10-phenanthrolinyl Ligands as Highly Active Catalysts for Ethylene Oligomerization. <i>Organometallics</i> , 2006 , 25, 666-677	3.8	144
588	Nickel complex pre-catalysts in ethylene polymerization: new approaches to elastomeric materials. <i>Catalysis Science and Technology</i> , 2013 , 3, 1172	5.5	137

587	From model compounds to protein binding: syntheses, characterizations and fluorescence studies of [RuII(bipy)(terpy)L] ²⁺ complexes (bipy = 2,2'-bipyridine; terpy = 2,2':6',2''-terpyridine; L = imidazole, pyrazole and derivatives, cytochrome c). <i>Dalton Transactions</i> , 2005 , 256-67	4.3	136
586	Access to highly active and thermally stable iron procatalysts using bulky 2-[1-(2,6-dibenzhydryl-4-methylphenylimino)ethyl]-6-[1-(arylimino)ethyl]pyridine ligands. <i>Chemical Communications</i> , 2011 , 47, 3257-9	5.8	132
585	Synthesis, Characterization, and Ethylene Oligomerization and Polymerization of Ferrous and Cobaltous 2-(Ethylcarboxylato)-6-iminopyridyl Complexes. <i>Organometallics</i> , 2004 , 23, 5037-5047	3.8	129
584	Chromium(III) complexes bearing N,N-chelate ligands as ethene polymerization catalysts. <i>Chemical Communications</i> , 1998 , 1651-1652	5.8	126
583	Carbocyclic-fused N,N,N-pincer ligands as ring-strain adjustable supports for iron and cobalt catalysts in ethylene oligo-/polymerization. <i>Coordination Chemistry Reviews</i> , 2018 , 363, 92-108	23.2	125
582	Vinyl Polymerization of Norbornene with Neutral Salicylaldiminato Nickel(II) Complexes. <i>Organometallics</i> , 2003 , 22, 3678-3683	3.8	125
581	Synthesis, Characterization and Ethylene Oligomerization Studies of Nickel Complexes Bearing 2-Benzimidazolylpyridine Derivatives. <i>Organometallics</i> , 2007 , 26, 2439-2446	3.8	124
580	Synthesis, Characterization, and Ethylene Oligomerization and Polymerization of [2,6-Bis(2-benzimidazolyl)pyridyl]chromium Chlorides. <i>Organometallics</i> , 2006 , 25, 1961-1969	3.8	122
579	Nickel (II) complexes bearing 2-ethylcarboxylate-6-iminopyridyl ligands: synthesis, structures and their catalytic behavior for ethylene oligomerization and polymerization. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 1570-1580	2.3	117
578	2-(1H-2-Benzimidazolyl)-6-(1-(arylimino)ethyl)pyridyl Iron(II) and Cobalt(II) Dichlorides: Syntheses, Characterizations, and Catalytic Behaviors toward Ethylene Reactivity. <i>Organometallics</i> , 2009 , 28, 2225-2233	3.8	114
577	Conjugated ligands modulated sandwich structures and luminescence properties of lanthanide metal-organic frameworks. <i>Inorganic Chemistry</i> , 2011 , 50, 5242-8	5.1	112
576	Late transition metal complexes bearing 2,9-bis(imino)-1,10-phenanthroline ligands: synthesis, characterization and their ethylene activity. <i>Journal of Organometallic Chemistry</i> , 2002 , 658, 62-70	2.3	110
575	Bis(imino)pyridyl iron and cobalt complexes: the effect of nitrogen substituents on ethylene oligomerisation and polymerisation. <i>Dalton Transactions RSC</i> , 2001 , 1639-1644		110
574	Bridged bis-pyridinylimino dinickel(II) complexes: Syntheses, characterization, ethylene oligomerization and polymerization. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 1739-1749	2.3	109
573	2-Arylimino-9-phenyl-1,10-phenanthroline-iron, -cobalt and -nickel Complexes: Synthesis, Characterization and Ethylene Oligomerization Behavior. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 5584-5598	2.3	107
572	Bi- and tri-dentate imino-based iron and cobalt pre-catalysts for ethylene oligo-/polymerization. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 14-34	6.8	103
571	2-(1-Isopropyl-2-benzimidazolyl)-6-(1-aryliminoethyl)pyridyl transition metal (Fe, Co, and Ni) dichlorides: Syntheses, characterizations and their catalytic behaviors toward ethylene reactivity. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 1829-1840	2.3	103
570	Controlling the ethylene polymerization parameters in iron pre-catalysts of the type 2-[1-(2,4-dibenzhydryl-6-methylphenylimino)ethyl]-6-[1-(arylimino)ethyl] pyridyliron dichloride. <i>Polymer</i> , 2012 , 53, 130-137	3.9	97

569	A five-coordinate chromium alkyl complex stabilised by salicylaldiminato ligands. <i>Dalton Transactions RSC</i> , 2000 , 1969-1971		97
568	Synthesis, characterisation and ethylene oligomerization behaviour of N-(2-substituted-5,6,7-trihydroquinolin-8-ylidene)arylammononickel dichlorides. <i>New Journal of Chemistry</i> , 2011 , 35, 178-183	3.6	93
567	Synthesis, characterization and ethylene oligomerization studies of nickel complexes bearing 2-imino-1,10-phenanthrolines. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 4196-4203	2.3	93
566	Synthesis, Characterization, and Ethylene Oligomerization of Nickel Complexes Bearing N-((Pyridin-2-yl)methylene)quinolin-8-amine Derivatives. <i>Organometallics</i> , 2007 , 26, 4781-4790	3.8	89
565	2-(1-(2-Benzhydrylnaphthylimino)ethyl)pyridylnickel halides: synthesis, characterization, and ethylene polymerization behavior. <i>Dalton Transactions</i> , 2014 , 43, 423-31	4.3	87
564	Ethylene polymerization by 2-iminopyridylnickel halide complexes: synthesis, characterization and catalytic influence of the benzhydryl group. <i>Dalton Transactions</i> , 2012 , 41, 11999-2010	4.3	87
563	2-[1-(2,6-Dibenzhydryl-4-chlorophenylimino)ethyl]-6-[1-(arylimino)ethyl]pyridyliron(II) dichlorides: Synthesis, characterization and ethylene polymerization behavior. <i>Polymer</i> , 2012 , 53, 1870-1880	3.9	86
562	2-(1-(Arylimino)ethyl)-8-arylimino-5,6,7-trihydroquinoline Iron(II) Chloride Complexes: Synthesis, Characterization, and Ethylene Polymerization Behavior. <i>Organometallics</i> , 2012 , 31, 5039-5048	3.8	86
561	Synthesis and Characterization of Tridentate Nickel Complexes Bearing P?N?N and P?N?P Ligands and Their Catalytic Property in Ethylene Oligomerization. <i>Organometallics</i> , 2006 , 25, 236-244	3.8	86
560	Synthesis and characterization of novel nickel(II) complexes bearing N,P ligands and their catalytic activity in ethylene oligomerization. <i>New Journal of Chemistry</i> , 2002 , 26, 1474-1478	3.6	86
559	Synthesis, characterization and catalytic behavior toward ethylene of 2-[1-(4,6-dimethyl-2-benzhydrylphenylimino)ethyl]-6-[1-(arylimino)ethyl]pyridylmetal (iron or cobalt) chlorides. <i>Dalton Transactions</i> , 2013 , 42, 9188-97	4.3	84
558	Synthesis, characterization and ethylene polymerization behavior of nickel dihalide complexes bearing bulky unsymmetrical β -diimine ligands. <i>Catalysis Science and Technology</i> , 2012 , 2, 415-422	5.5	84
557	Synthesis and characterization of N-(2-pyridyl)benzamide-based nickel complexes and their activity for ethylene oligomerization. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 917-929	2.3	84
556	Enhancing the Activity and Thermal Stability of Nickel Complex Precatalysts Using 1-[2,6-Bis(bis(4-fluorophenyl)methyl)-4-methyl phenylimino]-2-aryliminoacenaphthylene Derivatives. <i>Organometallics</i> , 2015 , 34, 582-590	3.8	83
555	A Ruthenium Catalyst with Unprecedented Effectiveness for the Coupling Cyclization of β -Amino Alcohols and Secondary Alcohols. <i>ACS Catalysis</i> , 2016 , 6, 1247-1253	13.1	83
554	N-(5,6,7-Trihydroquinolin-8-ylidene)arylammononickel dichlorides as highly active single-site pro-catalysts in ethylene polymerization. <i>Dalton Transactions</i> , 2011 , 40, 8436-43	4.3	81
553	2,6-Dibenzhydryl-N-(2-phenyliminoacenaphthylene)ylidene-4-chloro-aniline nickel dihalides: Synthesis, characterization and ethylene polymerization for polyethylenes with high molecular weights. <i>Journal of Organometallic Chemistry</i> , 2013 , 725, 37-45	2.3	80
552	Zirconocene-Mediated Intramolecular Carbon-Carbon Bond Formation of Two Alkynyl Groups of Bis(alkynyl)silanes. <i>Journal of the American Chemical Society</i> , 1997 , 119, 12842-12848	16.4	80

551	Iron(II) complexes ligated by 2-imino-1,10-phenanthrolines: Preparation and catalytic behavior toward ethylene oligomerization. <i>Journal of Molecular Catalysis A</i> , 2007 , 269, 85-96		80
550	Cobalt and nickel complexes bearing 2,6-bis(imino) phenoxy ligands: syntheses, structures and oligomerization studies. <i>Journal of Organometallic Chemistry</i> , 2002 , 650, 59-64	2.3	80
549	Rhodium-Complex-Catalyzed Hydroformylation of Olefins with CO and Hydrosilane. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 310-313	16.4	79
548	2-[1-(2,6-Dibenzhydryl-4-methylphenylimino)ethyl]-6-[1-(arylimino)ethyl]pyridylcobalt(II) dichlorides: synthesis, characterization and ethylene polymerization behavior. <i>Dalton Transactions</i> , 2011 , 40, 10209-14	4.3	78
547	Synthesis and characterization of iron and cobalt dichloride bearing 2-quinoxaliny-6-iminopyridines and their catalytic behavior toward ethylene reactivity. <i>Journal of Organometallic Chemistry</i> , 2007 , 692, 4506-4518	2.3	78
546	Iron(II) and cobalt(II) complexes bearing N-((pyridin-2-yl)methylene)-quinolin-8-amine derivatives: Synthesis and application to ethylene oligomerization. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 1073-1080	2.3	78
545	Catalytic Hydrogenation of Cyclic Carbonates: A Practical Approach from CO ₂ and Epoxides to Methanol and Diols. <i>Angewandte Chemie</i> , 2012 , 124, 13218-13222	3.6	77
544	Spiro[4,4]-1,6-nonadiene-Based PhosphineOxazoline Ligands for Iridium-Catalyzed Enantioselective Hydrogenation of Ketimines. <i>Angewandte Chemie</i> , 2009 , 121, 5449-5453	3.6	77
543	Bimetallic (Iron or Cobalt) Complexes Bearing 2-Methyl-2,4-bis(6-iminopyridin-2-yl)-1H-1,5-benzodiazepines for Ethylene Reactivity. <i>Organometallics</i> , 2007 , 26, 2456-2460	3.8	77
542	2-(Benzimidazol-2-yl)-1,10-phenanthrolyl metal (Fe and Co) complexes and their catalytic behaviors toward ethylene oligomerization. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 483-491	2.3	77
541	Highly Regio- and Enantioselective Alkoxy carbonylative Amination of Terminal Allenes Catalyzed by a Spiroketal-Based Diphosphine/Pd(II) Complex. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15346-9	16.4	74
540	Enhancing the Activity and Thermal Stability of Iron Precatalysts Using 2-(1-{2,6-bis[bis(4-fluorophenyl)methyl]-4-methylphenylimino}ethyl)-6-[1-(arylimino)ethyl]pyridines. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 1266-1273	2.6	74
539	Ferrous and Cobaltous Chlorides Bearing 2,8-Bis(imino)quinolines: Highly Active Catalysts for Ethylene Polymerization at High Temperature. <i>Organometallics</i> , 2010 , 29, 1168-1173	3.8	74
538	Unsymmetric bimetal(II) complexes: Synthesis, structures and catalytic behaviors toward ethylene. <i>Journal of Organometallic Chemistry</i> , 2007 , 692, 5307-5316	2.3	74
537	Chiral Brønsted Acid Catalyzed Asymmetric Baeyer-Villiger Reaction of 3-Substituted Cyclobutanones by Using Aqueous H ₂ O ₂ . <i>Angewandte Chemie</i> , 2008 , 120, 2882-2885	3.6	74
536	2-[1-(2,4-Dibenzhydryl-6-methylphenylimino)ethyl]-6-[1-(arylimino)ethyl]pyridylcobalt(II) dichlorides: Synthesis, characterization and ethylene polymerization behavior. <i>Polymer Chemistry</i> , 2012 , 3, 787	4.9	73
535	Nickel(II) Complexes Chelated by 2-Arylimino-6-benzoxazolylpyridine: Syntheses, Characterization, and Ethylene Oligomerization. <i>Organometallics</i> , 2008 , 27, 5641-5648	3.8	73
534	Our variations on iron and cobalt catalysts toward ethylene oligomerization and polymerization. <i>Comptes Rendus Chimie</i> , 2008 , 11, 307-316	2.7	73

533	2-(1-Aryliminoethyl)-9-arylimino-5,6,7,8-tetrahydrocycloheptapyridyl iron(II) dichloride: synthesis, characterization, and the highly active and tunable active species in ethylene polymerization. <i>Dalton Transactions</i> , 2014 , 43, 16818-29	4.3	72
532	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	9.4	71
531	Nickel Complexes Bearing 2-(Benzimidazol-2-yl)-1,10-phenanthrolines: Synthesis, Characterization and Their Catalytic Behavior Toward Ethylene Oligomerization. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 3816-3826	2.3	71
530	N-(5,6,7-trihydroquinolin-8-ylidene)-2-benzhydrylbenzenaminonickel halide complexes: synthesis, characterization and catalytic behavior towards ethylene polymerization. <i>Dalton Transactions</i> , 2012 , 41, 1617-23	4.3	70
529	Influence of electronic effect on catalytic activity of salicylaldiminato nickel(II) complexes. <i>Journal of Polymer Science Part A</i> , 2004 , 42, 4765-4774	2.5	70
528	Synthesis and characterization of organoaluminum compounds containing quinolin-8-amine derivatives and their catalytic behaviour for ring-opening polymerization of epsilon-caprolactone. <i>Dalton Transactions</i> , 2009 , 9000-9	4.3	69
527	Methylene-bridged bimetallic β -diimino nickel(II) complexes: synthesis and high efficiency in ethylene polymerization. <i>Dalton Transactions</i> , 2013 , 42, 9176-87	4.3	68
526	2-Oxazoline/benzoxazole-1,10-phenanthrolynymetal (iron, cobalt or nickel) dichloride: Synthesis, characterization and their catalytic reactivity for the ethylene oligomerization. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 3867-3877	2.3	68
525	Recent advances in homogeneous chromium catalyst design for ethylene tri-, tetra-, oligo- and polymerization. <i>Coordination Chemistry Reviews</i> , 2019 , 385, 208-229	23.2	67
524	Highly Efficient Ruthenium-Catalyzed N-Formylation of Amines with H ₂ and CO ₂ . <i>Angewandte Chemie</i> , 2015 , 127, 6284-6287	3.6	67
523	2-(1-(Arylimino)ethyl)-8-arylimino-5,6,7-trihydroquinolylcobalt dichloride: Synthesis and polyethylene wax formation. <i>Applied Catalysis A: General</i> , 2012 , 447-448, 67-73	5.1	66
522	Dimethylaluminium aldiminophenolates: synthesis, characterization and ring-opening polymerization behavior towards lactides. <i>Dalton Transactions</i> , 2012 , 41, 11587-96	4.3	66
521	Synthesis, Characterization, and Ethylene Polymerization Behavior of 8-(Nitroarylamino)-5,6,7-trihydroquinolynickel Dichlorides: Influence of the Nitro Group and Impurities on Catalytic Activity. <i>ACS Catalysis</i> , 2011 , 1, 1213-1220	13.1	66
520	Solution processed inorganic V ₂ O ₅ as interfacial function materials for inverted planar-heterojunction perovskite solar cells with enhanced efficiency. <i>Nano Research</i> , 2016 , 9, 2960-2971 ¹⁰	11.0	66
519	Nickel(II) complexes chelated by 2-quinoxaliny-6-iminopyridines: Synthesis, crystal structures and ethylene oligomerization. <i>Journal of Organometallic Chemistry</i> , 2007 , 692, 3532-3541	2.3	65
518	Developments in compartmentalized bimetallic transition metal ethylene polymerization catalysts. <i>Coordination Chemistry Reviews</i> , 2018 , 372, 101-116	23.2	65
517	Elastomeric polyethylenes accessible via ethylene homo-polymerization using an unsymmetrical β -diimino-nickel catalyst. <i>Polymer Chemistry</i> , 2017 , 8, 2785-2795	4.9	63
516	Controlling the molecular weights of polyethylene waxes using the highly active precatalysts of 2-(1-aryliminoethyl)-9-arylimino-5,6,7,8-tetrahydrocycloheptapyridylcobalt chlorides: synthesis, characterization, and catalytic behavior. <i>Dalton Transactions</i> , 2016 , 45, 657-66	4.3	63

515	2-[1-(2,6-dibenzhydryl-4-chlorophenylimino)ethyl]-6-[1-aryliminoethyl]pyridyl cobalt dichlorides: Synthesis, characterization and ethylene polymerization behavior. <i>Journal of Organometallic Chemistry</i> , 2012 , 713, 209-216	2.3	62
514	2-Benzoxazolyl-6-[1-(arylimino)ethyl]pyridyliron(II) Chlorides as Ethylene Oligomerization Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 4149-4156	2.3	62
513	Cobalt and Nickel Complexes Bearing Pyrazolyliminophosphorane Ligands: Synthesis, Characterisation and Catalytic Ethylene Oligomerisation Behaviour. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 4895-4902	2.3	62
512	Synthesis and characterisation of neutral dialkylaluminium complexes stabilised by salicylaldiminato ligands, and their conversion to monoalkylaluminium cations. <i>Dalton Transactions RSC</i> , 2001 , 1472-1476		62
511	Bis(imino)pyridines Incorporating Doubly Fused Eight-Membered Rings as Conformationally Flexible Supports for Cobalt Ethylene Polymerization Catalysts. <i>Organometallics</i> , 2018 , 37, 380-389	3.8	61
510	Ethylene oligomerization promoted by group 8 metal complexes containing 2-(2-pyridyl)quinoxaline ligands. <i>Catalysis Communications</i> , 2002 , 3, 405-410	3.2	61
509	Ultra-high molecular weight elastomeric polyethylene using an electronically and sterically enhanced nickel catalyst. <i>Polymer Chemistry</i> , 2017 , 8, 6416-6430	4.9	60
508	Catalytic Asymmetric Synthesis of Aromatic Spiroketal by SpinPhox/Iridium(I)-Catalyzed Hydrogenation and Spiroketalization of β -Bis(2-hydroxyarylidene) Ketones. <i>Angewandte Chemie</i> , 2012 , 124, 960-964	3.6	60
507	BINOLate ^M Magnesium Catalysts for Enantioselective Hetero-Diels-Alder Reaction of Danishefsky's Diene with Aldehydes. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 2248-2254	3.2	60
506	Iron-Based and Cobalt-Based Olefin Polymerisation Catalysts. <i>Topics in Organometallic Chemistry</i> , 2009 , 107-158	0.6	60
505	Palladium-Catalyzed Asymmetric Construction of Vicinal Tertiary and All-Carbon Quaternary Stereocenters by Allylation of β -Ketocarboxyls with Morita-Baylis-Hillman Adducts. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5050-5054	16.4	59
504	Cobalt(II) complexes bearing 2-imino-1,10-phenanthroline ligands: synthesis, characterization and ethylene oligomerization. <i>Comptes Rendus Chimie</i> , 2006 , 9, 1500-1509	2.7	59
503	Spacially confined M ₂ centers (M = Fe, Co, Ni, Zn) on a sterically bulky binucleating support: synthesis, structures and ethylene oligomerization studies. <i>Inorganic Chemistry</i> , 2006 , 45, 9890-900	5.1	59
502	Influence of electronic effect on catalytic activity of bis(imino)pyridyl Fe(II) and bis(imino)pyrimidyl Fe(II) complexes. <i>Journal of Molecular Catalysis A</i> , 2004 , 218, 119-124		59
501	Chromium ethylene polymerisation catalysts bearing reduced Schiff-base N,O-chelate ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 827-830		59
500	Chiral Cyclohexyl-Fused Spirobiindanes: Practical Synthesis, Ligand Development, and Asymmetric Catalysis. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10374-10381	16.4	58
499	Synthesis and characterization of 2-(2-benzhydrylnaphthyliminomethyl)pyridylnickel halides: formation of branched polyethylene. <i>Dalton Transactions</i> , 2014 , 43, 3339-46	4.3	56
498	Methylaluminium 8-quinolinolates: synthesis, characterization and use in ring-opening polymerization (ROP) of ϵ -caprolactone. <i>Dalton Transactions</i> , 2011 , 40, 2645-53	4.3	56

497	Synthesis and characterisation of alkylaluminium benzimidazolates and their use in the ring-opening polymerisation of ϵ -caprolactone. <i>Dalton Transactions</i> , 2010 , 39, 9912-22	4.3	56
496	Nickel(II) complexes bearing phosphinooxazoline ligands: Synthesis, structures and their ethylene oligomerization behaviors. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 3918-3928	2.3	56
495	A practical ethylene polymerization for vinyl-polyethylenes: synthesis, characterization and catalytic behavior of π -bisimino-2,3:5,6-bis(pentamethylene)pyridyliron chlorides. <i>Polymer Chemistry</i> , 2016 , 7, 4188-4197	4.9	56
494	Vinyl Polymerization of Norbornene on Nickel Complexes with Bis(imino)pyridine Ligands Containing Electron-Withdrawing Groups. <i>Organometallics</i> , 2012 , 31, 1143-1149	3.8	55
493	Reaction of Zirconacyclopentadienes with CO in the Presence of <i>n</i> -BuLi. Selective Formation of Cyclopentenone Derivatives from Two Alkynes and CO. <i>Journal of the American Chemical Society</i> , 1999 , 121, 1094-1095	16.4	55
492	Ring-tension adjusted ethylene polymerization by aryliminocycloheptapyridyl nickel complexes. <i>Dalton Transactions</i> , 2015 , 44, 14281-92	4.3	54
491	Constrained formation of 2-(1-(arylimino)ethyl)-7-arylimino-6,6-dimethylcyclopentapyridines and their cobalt(II) chloride complexes: synthesis, characterization and ethylene polymerization. <i>RSC Advances</i> , 2015 , 5, 32720-32729	3.7	54
490	Unsymmetrical diiminonickel bromide complexes: synthesis, characterization and their catalytic behavior toward ethylene. <i>Catalysis Science and Technology</i> , 2013 , 3, 2737	5.5	54
489	Synthesis of palladium complexes containing 2-methoxycarbonyl-6-iminopyridine ligand and their catalytic behaviors in reaction of ethylene and norbornene. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 4759-4767	2.3	54
488	Temperature Dependence of the Activity of a Late Transition Metal Catalyst by Molecular Modeling. <i>Macromolecular Theory and Simulations</i> , 2002 , 11, 1006-1012	1.5	54
487	Direct synthesis of alkenyl iodides via indium-catalyzed iodoalkylation of alkynes with alcohols and aqueous HI. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 3177-3180	3.9	53
486	2-(1-(2,4-Bis((di(4-fluorophenyl)methyl)-6-methylphenylimino)ethyl)-6-(1-(arylimino)ethyl)pyridyl)metal (iron or cobalt) Complexes: Synthesis, Characterization, and Ethylene Polymerization Behavior. <i>Macromolecular Chemistry and Physics</i> , 2014 , 215, 1797-1809	2.6	53
485	Preparation and characterization of acylhydrazone nickel(II) complexes and their catalytic behavior in vinyl polymerization of norbornene and oligomerization of ethylene. <i>Journal of Molecular Catalysis A</i> , 2005 , 231, 221-233		53
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