Yanping

List of Publications by Year
in descending order

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72	1,374	304743 22	377865 34
papers	citations	h-index	g-index

72	72	72	983
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transition metal oxide clusters with character of oxygen-centered radical: a DFT study. Theoretical Chemistry Accounts, 2010, 127, 449-465.	1.4	117
2	Intermolecular Interactions and 3D Structure in Celluloseâ€“NaOHâ€“Urea Aqueous System. Journal of Physical Chemistry B, 2014, 118, 10250-10257.	2.6	88
3	Preparation of fluorinated polyimides with bulky structure and their gas separation performance correlated with microstructure. Polymer, 2015, 69, 138-147.	3.8	76
4	Recent progress in the application of group 1, 2 & 13 metal complexes as catalysts for the ring opening polymerization of cyclic esters. Inorganic Chemistry Frontiers, 2019, 6, 2619-2652.	6.0	76
5	Nitro-functionalized bis(imino)pyridylferrous chlorides as thermo-stable precatalysts for linear polyethylenes with high molecular weights. Polymer, 2018, 159, 124-137.	3.8	50
6	Density functional study on cage and noncage (Fe2O3)n clusters. Journal of Chemical Physics, 2009, 130, 014303.	3.0	47
7	Strictly linear polyethylene using Co-catalysts chelated by fused bis(arylimino)pyridines: Probing ortho-cycloalkyl ring-size effects on molecular weight. Polymer, 2018, 149, 45-54.	3.8	47
8	Partial Oxidation of Propylene Catalyzed by VO₃ Clusters: A Density Functional Theory Study. Journal of Physical Chemistry A, 2008, 112, 5984-5993.	2.5	45
9	Bis(imino)pyridines fused with 6- and 7-membered carbocylic rings as N,N,N-scaffolds for cobalt ethylene polymerization catalysts. Dalton Transactions, 2019, 48, 2582-2591.	3.3	42
10	Acidification and Assembly of Porphyrin at an Interface: Counterion Matching, Selectivity, and Supramolecular Chirality. ACS Applied Materials & Interfaces, 2009, 1, 2036-2043.	8.0	40
11	Acetylene Cyclotrimerization Catalyzed by TiO₂ and VO₂ in the Gas Phase:â€‰ A DFT Study. Journal of Physical Chemistry A, 2008, 112, 3731-3741.	2.5	36
12	Highly linear polyethylenes tailored with 2,6-bis[1-(p-dibenzo-cycloheptylarylimino)ethyl]pyridylcobalt dichlorides. Dalton Transactions, 2019, 48, 5604-5613.	3.3	35
13	ortho-Cycloalkyl substitutedN,Nâ€²-diaryliminoacenaphthene-Ni(<scp>ii</scp>) catalysts for polyethylene elastomers; exploring ring size and temperature effects. Dalton Transactions, 2017, 46, 15684-15697.	3.3	32
14	Coarse-Grained Molecular Dynamics Simulations of the Phase Behavior of the 4-Cyano-4â€²-pentylbiphenyl Liquid Crystal System. Journal of Physical Chemistry B, 2012, 116, 2075-2089.	2.6	31
15	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.	3.3	30
16	Theoretical Investigation of the Selective Oxidation of Methanol to Formaldehyde on Vanadium Oxide Species Supported on Silica: Umbrella Model. Journal of Physical Chemistry C, 2010, 114, 3161-3169.	3.1	29
17	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
18	Cycloheptyl-fusedN,N,Nâ€²-chromium catalysts with selectivity for vinyl-terminated polyethylene waxes: thermal optimization and polymer functionalization. Dalton Transactions, 2018, 47, 13487-13497.	3.3	28

#	ARTICLE	IF	CITATIONS
19	Steric and electronic modulation of iron catalysts as a route to remarkably high molecular weight linear polyethylenes. Dalton Transactions, 2019, 48, 17488-17498.	3.3	25
20	A Theoretical Study on the Mechanism of C₂H₄ Oxidation over a Neutral V₃O₈ Cluster. ChemPhysChem, 2010, 11, 1718-1725.	2.1	24
21	Attaining highly branched polyethylene elastomers by employing modified Î±-diiminonickel(II) catalysts: Probing the effects of enhancing fluorine atom on the ligand framework towards mechanical properties of polyethylene. Polymer, 2020, 187, 122089.	3.8	24
22	Structure effect on transition mechanism of UVâ€“visible absorption spectrum in polyimides: A density functional theory study. Polymer, 2018, 148, 356-369.	3.8	22
23	Activity and Thermal Stability of Cobalt(II)-Based Olefin Polymerization Catalysts Adorned with Sterically Hindered Dibenzocycloheptyl Groups. Molecules, 2019, 24, 2007.	3.8	22
24	High molecular weight polyethylenes of narrow dispersity promoted using bis(arylimino)cyclohepta[b]pyridine-cobalt catalystsortho-substituted with benzhydryl & cycloalkyl groups. Dalton Transactions, 2020, 49, 4774-4784.	3.3	22
25	Classification of VxOyqClusters by Î” = 2y+qâ^’5x. Chinese Journal of Chemical Physics, 2011, 24, 586-596.	1.3	19
26	Fluorinated cobalt catalysts and their use in forming narrowly dispersed polyethylene waxes of high linearity and incorporating vinyl functionality. Catalysis Science and Technology, 2021, 11, 656-670.	4.1	17
27	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
28	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.	3.9	16
29	Exploring orthoâ€(4,4â€²â€dimethoxybenzhydryl) substitution in iron ethylene polymerization catalysts: Coâ€catalyst effects, thermal stability, and polymer molecular weight variations. Applied Organometallic Chemistry, 2021, 35, e6259.	3.5	14
30	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.	3.9	14
31	Ruthenium-catalyzed hydrogenation of CO₂ as a route to methyl esters for use as biofuels or fine chemicals. Chemical Science, 2020, 11, 6766-6774.	7.4	13
32	Theoretical study of partial oxidation of ethylene by vanadium trioxide cluster cation. Science Bulletin, 2009, 54, 2814-2821.	9.0	12
33	Theoretical study of intermolecular interactions in meso-tetraphenylporphyrin diacid dimer (H4TPPCl2)2. Physical Chemistry Chemical Physics, 2009, 11, 2543.	2.8	12
34	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
35	Post-functionalization of narrowly dispersed PE waxes generated using tuned N,N,Nâ€²-cobalt ethylene polymerization catalysts substituted with ortho-cycloalkyl groups. Polymer, 2021, 213, 123294.	3.8	12
36	2â€Acetyloxymethylâ€substituted 5,6,7â€trihydroquinolinylâ€8â€ylideneamineâ€Ni(II) chlorides and their application in ethylene dimerization/trimerization. Applied Organometallic Chemistry, 2020, 34, e5254.	3.5	11

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37	Experimental and theoretical studies of the reaction between cationic vanadium oxide clusters and acetylene. Science Bulletin, 2008, 53, 3829-3838.	9.0	10
38	Interfacial Molecular Assemblies of Metalloporphyrins with Two Trans or One Axial Ligands. ChemPhysChem, 2010, 11, 722-729.	2.1	10
39	Ethylene oligomerization with 2-hydroxymethyl-5,6,7-trihydroquinolinyl-8-ylideneamine-Ni(II) chlorides. Journal of Organometallic Chemistry, 2021, 937, 121720.	1.8	10
40	Highly active and thermostable camphyl Î±â€diimineâ€“nickel(II) catalysts for ethylene polymerization: Effects of Nâ€aryl substituting groups on catalytic properties and branching structures of polyethylene. Applied Organometallic Chemistry, 2022, 36, .	3.5	10
41	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.	3.8	9
42	Achieving polydispersive HDPE byN,N,N-Co precatalysts appended withN-2,4-bis(di(4-methoxyphenyl)methyl)-6-methylphenyl. RSC Advances, 2020, 10, 43400-43411.	3.6	9
43	Resin Transfer Moldable Fluorinated Phenylethynyl-Terminated Imide Oligomers with High Tg: Structureâ€“Melt Stability Relationship. Polymers, 2021, 13, 903.	4.5	8
44	Enhancing Performance of a Bis(arylimino)pyridineâ€Iron Precatalyst for Ethylene Polymerization by Substitution with a 2,4â€Bis(4,4â€²â€dimethoxybenzhydryl)â€6â€methylphenyl Group. European Journal of Inorganic Chemistry, 2021, 2021, 1571-1580.	2.0	8
45	Ring size enlargement in an orthoâ€cycloalkylâ€substituted bis(imino)pyridineâ€cobalt ethylene polymerization catalyst and its impact on performance and polymer properties. Applied Organometallic Chemistry, 2022, 36, e6529.	3.5	8
46	Dissipative particle dynamics thermostat: a novel thermostat for molecular dynamics simulation of liquid crystals with Gay-Berne potential. Science China Chemistry, 2015, 58, 694-707.	8.2	7
47	Thieno[3,4â€c]Pyrroleâ€4,6â€Dione and Dithiopheneâ€Based Conjugated Polymer for Organic Field Effect Transistors: High Mobility Induced by Synergic Effect of Hâ€Bond and Vinyl Linkage. Macromolecular Rapid Communications, 2016, 37, 1357-1363.	3.9	7
48	Achievement of strictly linear ultra-high molecular weight polyethylene with narrow dispersity by dint of nitro-enhanced 2,6-bis(imino)pyridylchromium chloride complexes. New Journal of Chemistry, 2019, 43, 11307-11315.	2.8	7
49	2-(N,N-Diethylaminomethyl)-6,7-trihydroquinolinyl-8-ylideneamine-Ni(<scp>ii</scp>) chlorides: application in ethylene dimerization and trimerization. New Journal of Chemistry, 2020, 44, 17047-17052.	2.8	7
50	Fluorinated 2,6-bis(arylimino)pyridyl iron complexes targeting bimodal dispersive polyethylenes: probing chain termination pathways via a combined experimental and DFT study. Dalton Transactions, 2022, 51, 8290-8302.	3.3	7
51	An air and moisture tolerant iminotrihydroquinoline-ruthenium(ii) catalyst for the transfer hydrogenation of ketones. Dalton Transactions, 2018, 47, 8738-8745.	3.3	6
52	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
53	The chloroâ€substituent enhances performance of 2,4â€bis (imino)pyridylchromium catalysts yielding highly linear polyethylene. Applied Organometallic Chemistry, 2020, 34, e5471.	3.5	6
54	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.	3.5	5

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55	Nickel(II) complexes with sterically hindered 5,6,7â€trihydroquinoline derivatives selectively dimerizing ethylene to 1â€butene. Applied Organometallic Chemistry, 0, , .	3.5	5
56	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. Polymer, 2022, 242, 124602.	3.8	5
57	Multicolor emission from large-area porous thin films constructed of nanowires of small organic molecules. Nanotechnology, 2008, 19, 505703.	2.6	4
58	Rational design and synthesis of AIE active cationic Ir(III) complexes featuring iminopyridine ligand with dibenzosuberane core. Journal of Organometallic Chemistry, 2021, 939, 121770.	1.8	4
59	Naphthalenylâ€Substituted Î±,Î±â€²â€Bisiminoâ€2,3â€‰:â€‰5,6â€Bis(pentamethylene)pyridines as Thermally Robust Supports for Iron Ethylene Polymerization Catalysts. European Journal of Inorganic Chemistry, 2021, 2021, 4530-4538.	2.0	4
60	Ab initio and DFT Study of the Structural Properties and Thermochemistry of CH₃S(O)₂OONO₂ Atmospheric Molecule and CH₃S(O)₂OOÂ· Radical. Chinese Journal of Chemistry, 2008, 26, 998-1004.	4.9	3
61	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
62	Sterically enhanced 2â€iminopyridylpalladium chlorides as recyclable ppmâ€palladium catalyst for Suzukiâ€“Miyaura coupling in aqueous solution. Applied Organometallic Chemistry, 0, , e6474.	3.5	3
63	Fluorinated bis(arylimino)â€6,7â€dihydroâ€5 H â€quinolineâ€cobalt polymerization catalysts: Electronic versus steric modulation in the formation of vinylâ€terminated linear PE waxes. Applied Organometallic Chemistry, 0, , e6500.	3.5	3
64	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. RSC Advances, 2021, 11, 39869-39878.	3.6	3
65	4,4â€²-Dimethoxybenzhydryl substituent augments performance of bis(imino)pyridine cobalt-based catalysts in ethylene polymerization. RSC Advances, 2022, 12, 15741-15750.	3.6	3
66	Formation of six-coordinated silicon in calcium phosphosilicate xerogels assisted by polyols at low temperature and pressure. Chinese Chemical Letters, 2015, 26, 768-772.	9.0	2
67	Unifying Molecular Weights of Highly Linear Polyethylene Waxes through Unsymmetrical 2,4-Bis(imino)pyridylchromium Chlorides. Molecules, 2020, 25, 5584.	3.8	2
68	Exploring an aggregation induced emission behaviour of neutral iridium complexes consisting of salicylaldimine ligand with dibenzosuberane core. Journal of Organometallic Chemistry, 2021, 949, 121954.	1.8	2
69	Cationic iridium (III) complexes bearing fluorinated Ar-BIAN ligands: Synthesis, structure, electronic, and electrochemical properties. Journal of Organometallic Chemistry, 2021, 951, 122002.	1.8	2
70	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.	2.0	1
71	Nearly Monodispersed Perylene Nanotablets: Easy Fabrication and Unique Optical Properties. Journal of Nanoscience and Nanotechnology, 2011, 11, 10696-10700.	0.9	0
72	Macromol. Rapid Commun. 16/2016. Macromolecular Rapid Communications, 2016, 37, 1384-1384.	3.9	0