

Yanping

List of Publications by Year in descending order

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72
papers

1,374
citations

304368

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377514

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72
all docs

72
docs citations

72
times ranked

983
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.	0.5	117
2	Intermolecular Interactions and 3D Structure in Cellulose–NaOH–Urea Aqueous System. Journal of Physical Chemistry B, 2014, 118, 10250-10257.	1.2	88
3	Preparation of fluorinated polyimides with bulky structure and their gas separation performance correlated with microstructure. Polymer, 2015, 69, 138-147.	1.8	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.	3.0	76
5	Nitro-functionalized bis(imino)pyridylferrous chlorides as thermo-stable precatalysts for linear polyethylenes with high molecular weights. Polymer, 2018, 159, 124-137.	1.8	50
6	Density functional study on cage and noncage (Fe ₂ O ₃) _n clusters. Journal of Chemical Physics, 2009, 130, 014303.	1.2	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.	1.8	47
8	Partial Oxidation of Propylene Catalyzed by VO ₃ Clusters: A Density Functional Theory Study. Journal of Physical Chemistry A, 2008, 112, 5984-5993.	1.1	45
9	Bis(imino)pyridines fused with 6- and 7-membered carbocyclic rings as <i>N,N,N</i> -scaffolds for cobalt ethylene polymerization catalysts. Dalton Transactions, 2019, 48, 2582-2591.	1.6	42
10	Acidification and Assembly of Porphyrin at an Interface: Counterion Matching, Selectivity, and Supramolecular Chirality. ACS Applied Materials & Interfaces, 2009, 1, 2036-2043.	4.0	40
11	Acetylene Cyclotrimerization Catalyzed by TiO ₂ and VO ₂ in the Gas Phase: A DFT Study. Journal of Physical Chemistry A, 2008, 112, 3731-3741.	1.1	36
12	Highly linear polyethylenes tailored with 2,6-bis[1-(<i>p</i> -dibenzo-cycloheptylarylimino)ethyl]pyridylcobalt dichlorides. Dalton Transactions, 2019, 48, 5604-5613.	1.6	35
13	<i>ortho</i> -Cycloalkyl substituted <i>N,N</i> -diaryliminoacenaphthene-Ni(<i>scpd</i>) catalysts for polyethylene elastomers; exploring ring size and temperature effects. Dalton Transactions, 2017, 46, 15684-15697.	1.6	32
14	Coarse-Grained Molecular Dynamics Simulations of the Phase Behavior of the 4-Cyano-4'-pentylbiphenyl Liquid Crystal System. Journal of Physical Chemistry B, 2012, 116, 2075-2089.	1.2	31
15	Plastomeric-like polyethylenes achievable using thermally robust <i>N,N</i> -nickel catalysts appended with electron withdrawing difluorobenzhydryl and nitro groups. Dalton Transactions, 2019, 48, 1878-1891.	1.6	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.	1.5	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.	1.6	29
18	Cycloheptyl-fused <i>N,N,N</i> -chromium catalysts with selectivity for vinyl-terminated polyethylene waxes: thermal optimization and polymer functionalization. Dalton Transactions, 2018, 47, 13487-13497.	1.6	28

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19	Steric and electronic modulation of iron catalysts as a route to remarkably high molecular weight linear polyethylenes. <i>Dalton Transactions</i> , 2019, 48, 17488-17498.	1.6	25
20	A Theoretical Study on the Mechanism of C ₂ H ₄ Oxidation over a Neutral V ₃ O ₈ Cluster. <i>ChemPhysChem</i> , 2010, 11, 1718-1725.	1.0	24
21	Attaining highly branched polyethylene elastomers by employing modified $\hat{\text{I}}^{\pm}$ -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.	1.8	24
22	Structure effect on transition mechanism of UVâ€“visible absorption spectrum in polyimides: A density functional theory study. <i>Polymer</i> , 2018, 148, 356-369.	1.8	22
23	Activity and Thermal Stability of Cobalt(II)-Based Olefin Polymerization Catalysts Adorned with Sterically Hindered Dibenzocycloheptyl Groups. <i>Molecules</i> , 2019, 24, 2007.	1.7	22
24	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.	1.6	22
25	Classification of V _x O _y Q _z Clusters by $\hat{\text{I}}^{\text{m}} = 2\text{y} + \text{q} - 5\text{x}$. <i>Chinese Journal of Chemical Physics</i> , 2011, 24, 586-596.	0.6	19
26	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.	2.1	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. <i>Catalysts</i> , 2020, 10, 1002.	1.6	16
28	Trifluoromethoxy-substituted nickel catalysts for producing highly branched polyethylenes: impact of solvent, activator and <i>N,N</i> - $\hat{\text{I}}^2$ -ligand on polymer properties. <i>Polymer Chemistry</i> , 2022, 13, 1040-1058.	1.9	16
29	Exploring <i>ortho</i> - $\hat{\text{I}}^2$ (4,4-dimethoxybenzhydryl) substitution in iron ethylene polymerization catalysts: Coâ€“catalyst effects, thermal stability, and polymer molecular weight variations. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6259.	1.7	14
30	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.	1.9	14
31	Ruthenium-catalyzed hydrogenation of CO ₂ as a route to methyl esters for use as biofuels or fine chemicals. <i>Chemical Science</i> , 2020, 11, 6766-6774.	3.7	13
32	Theoretical study of partial oxidation of ethylene by vanadium trioxide cluster cation. <i>Science Bulletin</i> , 2009, 54, 2814-2821.	4.3	12
33	Theoretical study of intermolecular interactions in meso-tetraphenylporphyrin diacid dimer (H4TPPCl ₂) ₂ . <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 2543.	1.3	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. <i>Molecules</i> , 2020, 25, 4244.	1.7	12
35	Post-functionalization of narrowly dispersed PE waxes generated using tuned N,N,N $\hat{\text{I}}^2$ -cobalt ethylene polymerization catalysts substituted with ortho-cycloalkyl groups. <i>Polymer</i> , 2021, 213, 123294.	1.8	12
36	2â€“Acetyloxymethylâ€“substituted 5,6,7â€“trihydroquinolinylâ€“ylideneamineâ€“Ni(II) chlorides and their application in ethylene dimerization/trimerization. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5254.	1.7	11

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37	Experimental and theoretical studies of the reaction between cationic vanadium oxide clusters and acetylene. <i>Science Bulletin</i> , 2008, 53, 3829-3838.	4.3	10
38	Interfacial Molecular Assemblies of Metalloporphyrins with Two <i>Trans</i> or One Axial Ligands. <i>ChemPhysChem</i> , 2010, 11, 722-729.	1.0	10
39	Ethylene oligomerization with 2-hydroxymethyl-5,6,7-trihydroquinolinyl-8-ylideneamine-Ni(II) chlorides. <i>Journal of Organometallic Chemistry</i> , 2021, 937, 121720.	0.8	10
40	Highly active and thermostable camphyl π -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, .	1.7	10
41	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.	1.8	9
42	Achieving polydispersive 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.	1.7	9
43	Resin Transfer Moldable Fluorinated Phenylethynyl-Terminated Imide Oligomers with High T _g : Structure-Melt Stability Relationship. <i>Polymers</i> , 2021, 13, 903.	2.0	8
44	Enhancing Performance of a Bis(arylimino)pyridine-Iron Precatalyst for Ethylene Polymerization by Substitution with a 2,4-Bis(4-dimethoxybenzhydryl)-6-methylphenyl Group. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1571-1580.	1.0	8
45	Ring size enlargement in an ortho-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.	1.7	8
46	Dissipative particle dynamics thermostat: a novel thermostat for molecular dynamics simulation of liquid crystals with Gay-Berne potential. <i>Science China Chemistry</i> , 2015, 58, 694-707.	4.2	7
47	Thieno[3,4- <i>c</i>]Pyrrole-4,6-dione and Dithiophene-Based Conjugated Polymer for Organic Field Effect Transistors: High Mobility Induced by Synergic Effect of π -Bond and Vinyl Linkage. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1357-1363.	2.0	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. <i>New Journal of Chemistry</i> , 2019, 43, 11307-11315.	1.4	7
49	2-(<i>N,N</i> -Diethylaminomethyl)-6,7-trihydroquinolinyl-8-ylideneamine-Ni(<i>sc</i>) chlorides: application in ethylene dimerization and trimerization. <i>New Journal of Chemistry</i> , 2020, 44, 17047-17052.	1.4	7
50	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.	1.6	7
51	An air and moisture tolerant iminotrihydroquinoline-ruthenium(II) catalyst for the transfer hydrogenation of ketones. <i>Dalton Transactions</i> , 2018, 47, 8738-8745.	1.6	6
52	Comparison of the Reactivity and Structures for the Neutral and Cationic Bis(imino)pyridyl Iron and Cobalt Species by DFT Calculations. <i>Catalysts</i> , 2020, 10, 1396.	1.6	6
53	The chloro-substituent enhances performance of 2,4-bis(imino)pyridylchromium catalysts yielding highly linear polyethylene. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5471.	1.7	6
54	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.	1.7	5

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55	Nickel(II) complexes with sterically hindered 5,6,7-trihydroquinoline derivatives selectively dimerizing ethylene to 1-butene. Applied Organometallic Chemistry, 0, , .	1.7	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.	1.8	5
57	Multicolor emission from large-area porous thin films constructed of nanowires of small organic molecules. Nanotechnology, 2008, 19, 505703.	1.3	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.	0.8	4
59	Naphthalenyl-Substituted β -Bisimino-2,3,5,6-Bis(pentamethylene)pyridines as Thermally Robust Supports for Iron Ethylene Polymerization Catalysts. European Journal of Inorganic Chemistry, 2021, 2021, 4530-4538.	1.0	4
60	<i>Ab initio</i> and DFT Study of the Structural Properties and Thermochemistry of $\text{CH}_3\text{S}(\text{O})_2\text{OONO}_2$ Atmospheric Molecule and $\text{CH}_3\text{S}(\text{O})_2\text{OO}\cdot$ Radical. Chinese Journal of Chemistry, 2008, 26, 998-1004.	2.6	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.	1.6	3
62	Sterically enhanced 2-aminopyridylpalladium chlorides as recyclable ppm-palladium catalyst for Suzuki-Miyaura coupling in aqueous solution. Applied Organometallic Chemistry, 0, , e6474.	1.7	3
63	Fluorinated bis(arylimino)-6,7-dihydro-5H-quinoline-cobalt polymerization catalysts: Electronic versus steric modulation in the formation of vinyl-terminated linear PE waxes. Applied Organometallic Chemistry, 0, , e6500.	1.7	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.	1.7	3
65	4,4-Dimethoxybenzhydryl substituent augments performance of bis(imino)pyridine cobalt-based catalysts in ethylene polymerization. RSC Advances, 2022, 12, 15741-15750.	1.7	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.	4.8	2
67	Unifying Molecular Weights of Highly Linear Polyethylene Waxes through Unsymmetrical 2,4-Bis(imino)pyridylchromium Chlorides. Molecules, 2020, 25, 5584.	1.7	2
68	Exploring an aggregation induced emission behaviour of neutral iridium complexes consisting of salicylaldehyde ligand with dibenzosuberane core. Journal of Organometallic Chemistry, 2021, 949, 121954.	0.8	2
69	Cationic iridium (III) complexes bearing fluorinated Ar-BIAN ligands: Synthesis, structure, electronic, and electrochemical properties. Journal of Organometallic Chemistry, 2021, 951, 122002.	0.8	2
70	Integrating Ring-Size Adjustable Cycloalkyl and Benzhydryl Groups as the Steric Protection in Bis(arylimino)trihydroquinoline-Cobalt Catalysts for Ethylene Polymerization. European Journal of Inorganic Chemistry, 2021, 2021, 3956.	1.0	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.	2.0	0