

Dao Zhang

List of Publications by Year in descending order

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32
papers

1,380
citations

394421

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32
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34
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docs citations

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times ranked

1265
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium catalyzed asymmetric Suzuki–Miyaura coupling reactions to axially chiral biaryl compounds: Chiral ligands and recent advances. <i>Coordination Chemistry Reviews</i> , 2015, 286, 1-16.	18.8	235
2	Novel, Highly Active Binuclear 2,5-Disubstituted Amino-p-benzoquinone–Nickel(II) Ethylene Polymerization Catalysts. <i>Organometallics</i> , 2003, 22, 2851-2854.	2.3	137
3	N-heterocyclic carbene (NHC) complexes of group 4 transition metals. <i>Chemical Society Reviews</i> , 2015, 44, 1898-1921.	38.1	132
4	Synthesis, Molecular Structures, and Norbornene Addition Polymerization Activity of the Neutral Nickel Catalysts Supported by β^2 -Diketiminato [N, N], Ketiminato [N, O], and Schiff-Base [N, O] Ligands. <i>Organometallics</i> , 2004, 23, 3270-3275.	2.3	125
5	Self-immobilized catalysts for ethylene polymerization: neutral, single-component salicylaldiminato phenyl nickel(ii) complexes bearing allyl substituents. Electronic supplementary information (ESI) available. Synthesis and spectroscopic data for 5, spectroscopic data for 1–4. See http://www.rsc.org/suppdata/cc/b1/b110258n/ . <i>Chemical Communications</i> , 2002, 574-575.	4.1	75
6	Deprotonation Attempts on Imidazolium Salt Tethered by Substituted Phenol and Construction of Its Magnesium Complex by Transmetalation. <i>Organometallics</i> , 2006, 25, 5506-5509.	2.3	73
7	Zirconium complexes of the tridentate bis(aryloxy)-N-heterocyclic-carbene ligand: Chloride and allyl functionalized derivatives. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 234-242.	1.8	55
8	Ethylene Polymerization by Self-Immobilized Neutral Nickel Catalysts Bearing Allyl Groups. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 1570-1576.	2.0	46
9	Bimetallic nickel complexes of trimethyl phenyl linked salicylaldimine ligands: Synthesis, structure and their ethylene polymerization behaviors. <i>Inorganic Chemistry Communication</i> , 2006, 9, 1322-1325.	3.9	42
10	Titanium Complexes Bearing Bisaryloxy-N-heterocyclic Carbenes: Synthesis, Reactivity, and Ethylene Polymerization Study. <i>Organometallics</i> , 2009, 28, 499-505.	2.3	42
11	Chiral 1,2-Cyclohexane-Bridged Bis-NHC Palladium Catalysts for Asymmetric Suzuki–Miyaura Coupling: Synthesis, Characterization, and Steric Effects on Enantiocontrol. <i>Organometallics</i> , 2014, 33, 876-884.	2.3	41
12	Self-immobilized titanium and zirconium catalysts with phenoxy-imine ligands for ethylene polymerization. X-ray crystal structure of bis(N-(3-tert-butylsalicylidene)-4-allyloxyanilinato) zirconium (IV) dichloride. <i>Applied Catalysis A: General</i> , 2004, 262, 85-91.	4.3	39
13	Direct synthesis of cis-dihalo-bis(NHC) complex of nickel(ii) and catalytic application in olefin addition polymerization: Effect of halogen co-ligands and density functional theory study. <i>Dalton Transactions</i> , 2013, 42, 12020.	3.3	36
14	Micron-granula polyolefin with self-immobilized nickel and iron diimine catalysts bearing one or two allyl groups. <i>Journal of Polymer Science Part A</i> , 2004, 42, 1018-1024.	2.3	33
15	Radical co-polymerization of diiminedibromidenickel(II)-functionalized olefin with styrene: synthesis of polymer-incorporated nickel(II) diimine catalysts for ethylene polymerization. <i>Applied Catalysis A: General</i> , 2004, 262, 13-18.	4.3	30
16	Dinuclear Titanium(IV) Complexes Bearing Phenoxide-Tethered N-Heterocyclic Carbene Ligands with cisoid Conformation through Control of Hydrolysis. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4839-4845.	2.0	28
17	Synthesis, structure, and catalytic activity of palladium complexes with new chiral cyclohexane-1,2-based di-NHC-ligands. <i>Journal of Organometallic Chemistry</i> , 2012, 700, 223-229.	1.8	26
18	Water-Soluble Complexes $[(\beta^2\text{-P,O-Phosphinesulfonato})\text{PdMe(L)}]$ and Their Catalytic Properties. <i>Organometallics</i> , 2009, 28, 4072-4078.	2.3	24

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19	Mesoporous zeolite SBA-15 supported nickel diimine catalysts for ethylene polymerization. <i>Science Bulletin</i> , 2004, 49, 249-253.	1.7	22
20	Facile Formation of Hexacyclic [Al ₃ O ₂ Cl] Aluminum and Alkoxide-Bridged Titanium Complexes: Reactions of AlMe ₃ with [Ti(L)Cl ₂] [L = 2,2'-Methylenebis(6-tert-butyl-4-methylphenolato)]. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3077-3082.	2.0	19
21	Chiral linker-bridged bis-N-heterocyclic carbenes: design, synthesis, palladium complexes, and catalytic properties. <i>Dalton Transactions</i> , 2016, 45, 11699-11709.	3.3	16
22	Unexpected Binuclear Bis(phenolato) Titanium (IV) {[Ti(Ph) ₂ (¹ / ₄ -OEt) ₂ } Assisted by Carbon-Oxygen Bond Cleavage and Alkali-Metal-Containing Titanium(III) Complexes [Ti(L) ₂ -M(sol) ₂] (M = Li, Na, K; sol) <i>Tj ETQq</i> 2.0 0 rgBT 16 Overlock	2.0	16
23	Macrocyclic hexanuclear zirconium(IV) complex bearing a bisaryloxy N-heterocyclic-carbene ligand: Synthesis, structure, and catalytic properties. <i>Inorganic Chemistry Communication</i> , 2010, 13, 433-435.	3.9	14
24	Synthesis, characterization and catalytic behaviors of water-soluble phosphine-sulfonato nickel methyl complexes bearing PEG-amine labile ligand. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 903-908.	1.8	13
25	Synthesis, structural characterization and catalytic property of group 4 metal complexes bearing novel salalen-type ligands. <i>Journal of Organometallic Chemistry</i> , 2013, 741-742, 83-90.	1.8	13
26	<i><i>N</i></i> , <i><i>N</i></i> -Bisaryl Substituted Chiral Linker-Bridged Bis(<i><i>N</i></i> -Heterocyclic Carbene) Palladium Complexes: Design, Synthesis, and Catalytic Properties. <i>Organometallics</i> , 2017, 36, 1372-1382.	2.3	13
27	Brønsted Base-Induced Rearrangement and Nucleophilic Addition of O/N-Functionalized NHCs and Relative Group 4 Metal Complexes for Ethylene Polymerization Catalysis. <i>Organometallics</i> , 2016, 35, 138-150.	2.3	11
28	Fine Tuning of Chiral Bis(N-heterocyclic carbene) Palladium Catalysts for Asymmetric Suzuki-Miyaura Cross-Coupling Reactions: Exploring the Ligand Modification. <i>Organometallics</i> , 2020, 39, 1269-1280.	2.3	7
29	Palladium Complexes Bearing Chiral bis(NHC) Chelating Ligands on a Spiro Scaffold: Synthesis, Characterization, and Their Application in the Oxidative Kinetic Resolution of Secondary Alcohols. <i>Organometallics</i> , 2020, 39, 605-613.	2.3	6
30	Trans-1,2-diphenylethylene bridged salicylaldiminato-isoindoline titanium(IV) chloride complexes: Synthesis, characterization and catalytic polymerization. <i>Journal of Organometallic Chemistry</i> , 2013, 724, 155-162.	1.8	5
31	trans-1,2-Diphenylethylene Linked Isoindoline-Salicylaldiminato Nickel(II) Halide Complexes: Synthesis, Structure, Dehydrogenation, and Catalytic Activity toward Olefin Homopolymerization. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2093-2101.	2.0	5
32	Effect of the Dihedral Angle of Biaryl-Bridged Bis(<i><i>N</i></i> -Heterocyclic Carbene) Ligands on Enantioselectivity in Pd-Catalyzed Asymmetric Aryl-Aryl Cross-Coupling. <i>Organometallics</i> , 2022, 41, 811-819.	2.3	2