Hyosun Lee

List of Publications by Year
in descending order

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60	806	516710 16	580821 25
papers	citations	h-index	g-index

61	61	61	706
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of initiator on the catalytic performance of zinc(II) complexes supported by aminomethylquinoline and aminomethylpyridine derived ligands in stereoselective ring opening polymerization of rac-lactide. Polyhedron, 2022, 216, 115696.	2.2	5
2	Norbornene and methyl methacrylate polymerizations catalyzed by palladium(II) complexes bearing aminomethylpyridine and aminomethylquinoline derivatives. Journal of Molecular Structure, 2022, 1264, 133238.	3.6	2
3	Vinyl-addition polymerizations of norbornene and methyl methacrylate by the palladium(II) complexes ligated by 2-iminomethylquinoline and 2-iminomethylpyridine derivatives. Inorganica Chimica Acta, 2022, 539, 121025.	2.4	3
4	Synthesis, structures, and catalytic efficiency in ring opening polymerization of rac-lactide with tridentate vs. bidentate cobalt(<scp>ii</scp>), zinc(<scp>ii</scp>), and cadmium(<scp>ii</scp>) complexes containing N-substituted N,N-bis((3,5-dimethyl-1H-pyrazol-1-yl)methyl)amine ligands. RSC Advances, 2021, 11, 18840-18851.	3.6	5
5	Diverse coordination geometry of cobalt (II), zinc (II), and cadmium (II) complexes comprising N , N rac â€lactide. Applied Organometallic Chemistry, 2021, 35, e6204.	3.5	7
6	Cobalt(II) complexes supported by iminomethylpyridine derived ligands: Synthesis, characterization and catalytic application towards methyl methacrylate and rac-lactide polymerisations. Polyhedron, 2021, 196, 115003.	2.2	11
7	Application of asymmetric Henry reaction by copper(II) complexes containing (R,R)-1,2-diaminocyclohexane with naphthyl and thiophenyl substituents. Inorganica Chimica Acta, 2021, 525, 120492.	2.4	2
8	Solvent-triggered single-crystal-to-single-crystal transformation from a monomeric to polymeric copper(II) complex based on an aza macrocyclic ligand. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 225-232.	1.1	2
9	Copper(II) complexes containing Nâ€²-aromatic group substituted N,Nâ€²,N-bis((3,5-dimethyl-1H-pyrazol-1-yl)methyl)amines: Synthesis, structures, polymerization of methyl methacrylate and ring opening polymerization of rac-lactide. Polyhedron, 2020, 187, 114641.	2.2	4
10	Stereoselective polymerization of methyl methacrylate and rac-lactide mediated by iminomethylpyridine based Cu(<scp>ii</scp>) complexes. RSC Advances, 2020, 10, 16209-16220.	3.6	14
11	Synthesis, structures and reactivity of cobalt(II) complexes supported by N,N,Nâ€²,Nâ€³-tetradentate Nâ€²-substituted bis((1H-pyrazol-1-yl)methyl)amine. Inorganica Chimica Acta, 2019, 496, 119071.	2.4	1
12	Fiveâ€coordinate dinuclar cobalt (II), copper (II), zinc (II) and cadmium (II) complexes with 4â€bromoâ€Nâ€(2â€pyridinylmethylene)benzenamine: Synthesis, characterisation and methyl methacrylate polymerization. Applied Organometallic Chemistry, 2019, 33, e4766.	3.5	12
13	Zinc (II), palladium (II) and cadmium (II) complexes containing 4â€methoxyâ€Nâ€(pyridinâ€2â€ylmethylene) aniline derivatives: Synthesis, characterization and methyl methacrylate polymerization. Applied Organometallic Chemistry, 2019, 33, e4797.	3.5	17
14	Synthesis, structural characterization and MMA polymerization studies of dimeric 5-coordinate copper(II), cadmium(II), and monomeric 4-coordinate zinc(II) complexes supported by N-methyl-N-((pyridine-2-yl)methyl)benzeneamine. Inorganica Chimica Acta, 2019, 487, 221-227.	2.4	7
15	Synthesis, characterization and polymerisation studies of cadmium(II) complexes containing N,Nâ€²,X-tridentate X-substituted (Xâ€¯=â€¯N, O) 2-iminomethylpyridines. Polyhedron, 2019, 158, 432-440.	2.2	10
16	Zinc(II) complexes containing Nâ€²-aromatic group substituted N,Nâ€²,N-bis((1H-pyrazol-1-yl)methyl)amines: Synthesis, characterization, and polymerizations of methyl methacrylate and rac-lactide. Journal of Coordination Chemistry, 2018, 71, 556-584.	2.2	15
17	Polymerizations of methyl methacrylate and rac-lactide by 4-coordinate cobalt(II) complexes supported by Nâ€²-substituted N,Nâ€²,N-bis((1H-pyrazol-1-yl)methyl)amine derivatives. Polyhedron, 2018, 141, 309-321.	2.2	15
18	Palladium(II) complexes containing N,Nâ€²-bidentate imine ligands derived from picolinaldehyde and substituted anilines: Synthesis, structure and polymerisation of methyl methacrylate. Polyhedron, 2018, 151, 82-89.	2.2	13

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19	Development of a new thiol-reactive prosthetic group for site-specific labeling of biomolecules with radioactive iodine. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2875-2878.	2.2	6
20	Theoretical Investigation of the Interfaces and Mechanisms of Induced Spin Polarization of 1D Narrow Zigzag Graphene- and h-BN Nanoribbons on a SrO-Terminated LSMO(001) Surface. Journal of Physical Chemistry A, 2017, 121, 680-689.	2.5	1
21	The direct exchange mechanism of induced spin polarization of low-dimensional Ï€-conjugated carbon- and h-BN fragments at LSMO(001) MnO-terminated interfaces. Journal of Magnetism and Magnetic Materials, 2017, 440, 23-29.	2.3	2
22	Facile synthesis of highly crystalline ZnO nanorods with controlled aspect ratios and their optical properties. CrystEngComm, 2017, 19, 1454-1458.	2.6	18
23	Copper(II) complexes containing N,Nâ€²-bidentate N-substituted N-(pyridin-2-ylmethyl)amine: Synthesis, structure and application towards polymerization of rac-lactide. Polyhedron, 2017, 127, 51-58.	2.2	32
24	Synthesis of N , N â€², X â€tridentate 2â€iminomethylpyrroleâ€coordinated palladium(II) complexes via Nâ”€H bond activation of pyrrole moiety. Applied Organometallic Chemistry, 2017, 31, e3780.	3.5	1
25	Two-dimensional hexagonal CrN with promising magnetic and optical properties: A theoretical prediction. Nanoscale, 2017, 9, 621-630.	5.6	66
26	Polymerizations of methyl methacrylate and rac-lactide by zinc(II) precatalyst containing N-substituted 2-iminomethylpyridine and 2-iminomethylquinoline. Journal of Coordination Chemistry, 2017, 70, 3837-3858.	2.2	24
27	Copper(<scp>II</scp>) Complexes Containing N,Nâ€²â€Bidentate Nâ€(Pyridinâ€2â€ylmethyl)aniline and Its Derivatives: Synthesis, Structure and Magnetic Property. Bulletin of the Korean Chemical Society, 2016, 37, 27-32.	1.9	4
28	Synthesis, structure and methyl methacrylate polymerization of cobalt(II), zinc(II) and cadmium(II) complexes with N,Nâ€²,N-bidentate versus N,Nâ€²,N-tridentate N,Nâ€²,N-bis((1H-pyrazol-1-yl)methyl)amines. Journal of Coordination Chemistry, 2016, 69, 2391-2402.	2.2	16
29	Polymerization of Methyl Methacrylate Catalyzed by Co(<scp>II</scp>), Cu(<scp>II</scp>), and Zn(<scp>II</scp>) Complexes Bearing Nâ€Methylâ€Nâ€((pyridinâ€2â€yl)methyl)cyclohexanamine. Bulletin of the Korean Chemical Society, 2016, 37, 763-766.	1.9	7
30	Synthesis and structural characterization of 5-coordinate cobalt(II), copper(II) and 4-coordinate zinc(II) complexes containing Nâ€²-cyclopentyl substituted N,N-bispyrazolylmethylamine. Polyhedron, 2016, 110, 149-156.	2.2	7
31	Novel Cobalt(II) complexes containing N,N-di(2-picolyl)amine based ligands; Synthesis, characterization and application towards methyl methacrylate polymerisation. Journal of Molecular Structure, 2016, 1113, 24-31.	3.6	13
32	Cadmium(II) complexes containing Nâ€²-substituted N,N-di(2-picolyl)amine: The formation of monomeric versus dimeric complexes is affected by the Nâ€²-substitution group on the amine moiety. Journal of Organometallic Chemistry, 2015, 783, 55-63.	1.8	10
33	Synthesis and structural characterisation of tetrahedral zinc(II) and trigonal bipyramidal cadmium(II) complexes containing Nâ€²-cyclohexyl substituted N,N-bispyrazolyl ligand. Inorganica Chimica Acta, 2015, 435, 313-319.	2.4	13
34	Cobalt(II) complexes containing Nâ€²-substituted N,Nâ€²,N-bis((1H-pyrazol-1-yl)methyl)amine ligands: The formation of four-coordinate or five-coordinate complexes as a function of the Nâ€²-substitution group in N,Nâ€²,N-bis((1H-pyrazol-1-yl)methyl)amine. Inorganica Chimica Acta, 2015, 438, 118-127.	2.4	10
35	N,Nâ€²,X-bidentate versus N,Nâ€²,X-tridentate N-substituted 2-iminomethylpyridine- and 2-iminomethylquinoline-coordinated palladium(II) complexes. Journal of Coordination Chemistry, 2014, 67, 2312-2329.	2.2	16
36	Synthesis and structural characterization of [(dpca)MX2] (M=Cu, X=Cl; M=Cd, X=Br and M=Zn, X=NO3) complexes containing N,N-di(2-picolyl)cyclohexylamine (dpca) and their application to methyl methacrylate polymerization. Inorganic Chemistry Communication, 2014, 45, 66-70.	3.9	15

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37	Synthesis and structural characterisation of zinc complexes bearing furanylmethyl and thiophenylmethyl derivatives of (R,R)-1,2-diaminocyclohexanes for stereoselective polymerisation of poly(rac-lactide). Polyhedron, 2014, 77, 32-38.	2.2	28
38	Palladium(II) complexes containing N,Nâ€²-bidentate N-cycloalkyl 2-iminomethylpyridine and 2-iminomethylquinoline: Synthesis, characterisation and methyl methacrylate polymerisation. Polyhedron, 2014, 69, 149-155.	2.2	23
39	Synthesis, structural features, and methyl methacrylate polymerisation of binuclear zinc(II) complexes with tetradentate pyrazolyl ligands. Journal of Molecular Structure, 2014, 1063, 70-76.	3.6	8
40	Cadmium(II) complexes containing Nâ€²-substituted N,N-bispyrazolyl ligands: The formation of 4- and 5-coordinated monomers versus 6-coordinated dimer. Inorganic Chemistry Communication, 2014, 44, 164-168.	3.9	11
41	Palladium(II) complexes containing N,Nâ€²-bidentate N-(pyridin-2-ylmethyl)aniline and its derivatives: Synthesis, structural characterisation, and methyl methacrylate polymerisation. Polyhedron, 2014, 77, 66-74.	2.2	6
42	Synthesis and Structural Characterisation of Palladium(II) Complexes with N,Nâ€²,N-Tridentate Nâ€²-Substituted N,N-Di(2-picolyl)amines and their Application to Methyl Methacrylate Polymerisation. Australian Journal of Chemistry, 2014, 67, 953.	0.9	5
43	Xâ€ray crystal structures and MMA polymerization of cadmium(II) complexes with bidentate pyrazole ligands: the formation of monomers or dimers as a function of a methyl substituent on the pyrazole and aniline rings. Applied Organometallic Chemistry, 2014, 28, 445-453.	3.5	8
44	Cd(II) and Zn(II) Complexes Containing N,N'-Bidentate N-(Pyridin-2-ylmethylene)cyclopentanamine: Synthesis, Characterisation and Methyl Methacrylate Polymerisation. Bulletin of the Korean Chemical Society, 2014, 35, 2929-2934.	1.9	9
45	Synthesis and characterisation of palladium(II) and platinum(II) complexes with N,Nâ€²,N-tridentate ligands based on N,N-di(2-picolyl)cycloalkylamine and polymerisation of methyl methacrylate. Polyhedron, 2013, 63, 139-146.	2.2	24
46	Synthesis, structure, and magnetic properties of the halide-bridged dimeric complex [(bpmaL1)Fe(Î¼-Cl)Cl]2. Inorganica Chimica Acta, 2013, 394, 501-505.	2.4	7
47	Template synthesis and X-ray crystal structures of 15-membered unsymmetric monobenzotetraazaannulene nickel(II) complexes. Inorganica Chimica Acta, 2013, 399, 62-66.	2.4	1
48	Synthesis and X-ray crystal structure of derivatives from the N,N-bis(1H-pyrazolyl-1-methyl)aniline(dichloro)Zn(II) complex: Substituent effects on the phenyl ring versus the pyrazole ring. Polyhedron, 2012, 42, 135-141.	2.2	29
49	Zinc complexes bearing N,Nâ€²-bidentate entiopure ligands: Synthesis, structure and catalytic activity toward ring opening polymerisation of rac-lactide. Polyhedron, 2012, 43, 55-62.	2.2	22
50	Synthesis and structural characterization of a dichloro zinc complex of Nâ€²-bis-(2,6-dichloro-benzyl)-(R,R)-1,2-diaminocyclohexane: Application to ring opening polymerization of rac-lactide. Polyhedron, 2012, 31, 682-687.	2.2	27
51	Non-intercalative binding mode of bridged binuclear chiral Ru(II) complexes to native duplex DNA. Journal of Inorganic Biochemistry, 2011, 105, 1569-1575.	3.5	22
52	Synthesis, spectroscopic, crystal structure and DNA binding of Ru(II) complexes with 2-hydroxy-benzoic acid [1-(4-hydroxy-6-methyl-2-oxo-2H-pyran-3-yl)-ethylidene]-hydrazide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 128-134.	3.9	42
53	Synthesis, characterization, and MMA polymerization activity of tetrahedral Co (II) complex bearing N, N-bis(1-pyrazolyl)methyl ligand based on aniline moiety. Inorganic Chemistry Communication, 2011, 14, 189-193.	3.9	38
54	Synthesis and X-ray crystal structure of dichloro[S-1-phenyl-N-(S-pyrrolidin-2-ylmethyl)ethanamine]zinc(II) and its catalytic application to rac-lactide polymerization. Polyhedron, 2011, 30, 405-409.	2.2	22

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55	N-heterocyclic carbeneâ€“silver complexes: Potential conductive materials for silver pastes in electronic applications. Polyhedron, 2011, 30, 465-469.	2.2	5
56	Synthesis, characterization, and catalytic application of a zinc(II) complex bearing a pyrazole-based ligand. Polyhedron, 2010, 29, 2404-2408.	2.2	15
57	N-heterocyclic carbeneâ€“silver complex as a novel reference electrode in electrochemical applications. Talanta, 2010, 81, 482-485.	5.5	11
58	Synthesis of polylactide using a zinc complex containing (S)-N-ethyl-N-phenyl-2-pyrrolidinemethanamine. Polyhedron, 2008, 27, 319-324.	2.2	31
59	Facile Nâ€“N coupling and copper (II) promoted cleavage of N,Nâ€²-linked N-methylbenzimidazole. Inorganic Chemistry Communication, 2008, 11, 1170-1173.	3.9	6
60	Dibromorhodamineâ€based photoredox catalysis under visible light for the colorimetric detection of Hg(<scp>II</scp>) ion. Bulletin of the Korean Chemical Society, 0, , .	1.9	0