

# Hyosun Lee

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Two-dimensional hexagonal CrN with promising magnetic and optical properties: A theoretical prediction. <i>Nanoscale</i> , 2017, 9, 621-630.	5.6	66
2	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 128-134.	3.9	42
3	Synthesis, characterization, and MMA polymerization activity of tetrahedral Co (II) complex bearing N, N-bis(1-pyrazolyl)methyl ligand based on aniline moiety. <i>Inorganic Chemistry Communication</i> , 2011, 14, 189-193.	3.9	38
4	Copper(II) complexes containing N,N'-bidentate N-substituted N-(pyridin-2-ylmethyl)amine: Synthesis, structure and application towards polymerization of rac-lactide. <i>Polyhedron</i> , 2017, 127, 51-58.	2.2	32
5	Synthesis of polylactide using a zinc complex containing (S)-N-ethyl-N-phenyl-2-pyrrolidinemethanamine. <i>Polyhedron</i> , 2008, 27, 319-324.	2.2	31
6	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. <i>Polyhedron</i> , 2012, 42, 135-141.	2.2	29
7	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). <i>Polyhedron</i> , 2014, 77, 32-38.	2.2	28
8	Synthesis and structural characterization of a dichloro zinc complex of N,N'-bis-(2,6-dichloro-benzyl)-(R,R)-1,2-diaminocyclohexane: Application to ring opening polymerization of rac-lactide. <i>Polyhedron</i> , 2012, 31, 682-687.	2.2	27
9	Synthesis and characterisation of palladium(II) and platinum(II) complexes with N,N'-tridentate ligands based on N,N-di(2-picoly)cycloalkylamine and polymerisation of methyl methacrylate. <i>Polyhedron</i> , 2013, 63, 139-146.	2.2	24
10	Polymerizations of methyl methacrylate and <i>rac</i> -lactide by zinc(II) precatalyst containing <i>N</i> -substituted 2-iminomethylpyridine and 2-iminomethylquinoline. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3837-3858.	2.2	24
11	Palladium(II) complexes containing N,N'-bidentate N-cycloalkyl 2-iminomethylpyridine and 2-iminomethylquinoline: Synthesis, characterisation and methyl methacrylate polymerisation. <i>Polyhedron</i> , 2014, 69, 149-155.	2.2	23
12	Non-intercalative binding mode of bridged binuclear chiral Ru(II) complexes to native duplex DNA. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1569-1575.	3.5	22
13	Synthesis and X-ray crystal structure of dichloro[S-1-phenyl-N-(S-pyrrolidin-2-ylmethyl)ethanamine]zinc(II) and its catalytic application to <i>rac</i> -lactide polymerization. <i>Polyhedron</i> , 2011, 30, 405-409.	2.2	22
14	Zinc complexes bearing N,N'-bidentate enantiopure ligands: Synthesis, structure and catalytic activity toward ring opening polymerisation of <i>rac</i> -lactide. <i>Polyhedron</i> , 2012, 43, 55-62.	2.2	22
15	Facile synthesis of highly crystalline ZnO nanorods with controlled aspect ratios and their optical properties. <i>CrystEngComm</i> , 2017, 19, 1454-1458.	2.6	18
16	Zinc (II), palladium (II) and cadmium (II) complexes containing 4-methoxy-N-(pyridin-2-ylmethylene)aniline derivatives: Synthesis, characterization and methyl methacrylate polymerization. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4797.	3.5	17
17	<i>N</i> , <i>N'</i> , <i>X</i> -bidentate versus <i>N</i> , <i>N'</i> , <i>X</i> -tridentate <i>N</i> -substituted 2-iminomethylpyridine- and 2-iminomethylquinoline-coordinated palladium(II) complexes. <i>Journal of Coordination Chemistry</i> , 2014, 67, 2312-2329.	2.2	16
18	Synthesis, structure and methyl methacrylate polymerization of cobalt(II), zinc(II) and cadmium(II) complexes with <i>N</i> , <i>N'</i> , <i>X</i> -bidentate versus <i>N</i> , <i>N'</i> , <i>X</i> -tridentate <i>N</i> -substituted 2-iminomethylpyridine- and 2-iminomethylquinoline-coordinated palladium(II) complexes. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2391-2402.	2.2	16

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19	Synthesis, characterization, and catalytic application of a zinc(II) complex bearing a pyrazole-based ligand. <i>Polyhedron</i> , 2010, 29, 2404-2408.	2.2	15
20	Synthesis and structural characterization of [(dpca)MX <sub>2</sub> ] (M=Cu, X=Cl; M=Cd, X=Br and M=Zn, X=NO <sub>3</sub> ) complexes containing N,N-di(2-picolyl)cyclohexylamine (dpca) and their application to methyl methacrylate polymerization. <i>Inorganic Chemistry Communication</i> , 2014, 45, 66-70.	3.9	15
21	Zinc(II) complexes containing <i>N</i> -aromatic group substituted <i>N</i> -bis((1 <i>H</i> -pyrazol-1-yl)methyl)amines: Synthesis, characterization, and polymerizations of methyl methacrylate and <i>rac</i> -lactide. <i>Journal of Coordination Chemistry</i> , 2018, 71, 556-584.	2.2	15
22	Polymerizations of methyl methacrylate and <i>rac</i> -lactide by 4-coordinate cobalt(II) complexes supported by <i>N</i> -substituted <i>N</i> , <i>N</i> -bis((1 <i>H</i> -pyrazol-1-yl)methyl)amine derivatives. <i>Polyhedron</i> , 2018, 141, 309-321.	2.2	15
23	Stereoselective polymerization of methyl methacrylate and <i>rac</i> -lactide mediated by iminomethylpyridine based Cu(II) complexes. <i>RSC Advances</i> , 2020, 10, 16209-16220.	3.6	14
24	Synthesis and structural characterisation of tetrahedral zinc(II) and trigonal bipyramidal cadmium(II) complexes containing <i>N</i> -cyclohexyl substituted <i>N</i> , <i>N</i> -bispyrazolyl ligand. <i>Inorganica Chimica Acta</i> , 2015, 435, 313-319.	2.4	13
25	Novel Cobalt(II) complexes containing <i>N</i> , <i>N</i> -di(2-picolyl)amine based ligands; Synthesis, characterization and application towards methyl methacrylate polymerisation. <i>Journal of Molecular Structure</i> , 2016, 1113, 24-31.	3.6	13
26	Palladium(II) complexes containing <i>N</i> , <i>N</i> -bidentate imine ligands derived from picolinaldehyde and substituted anilines: Synthesis, structure and polymerisation of methyl methacrylate. <i>Polyhedron</i> , 2018, 151, 82-89.	2.2	13
27	Five-coordinate dinuclear cobalt (II), copper (II), zinc (II) and cadmium (II) complexes with 4-bromo-2-(2-pyridinylmethylene)benzenamine: Synthesis, characterisation and methyl methacrylate polymerization. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4766.	3.5	12
28	<i>N</i> -heterocyclic carbene-silver complex as a novel reference electrode in electrochemical applications. <i>Talanta</i> , 2010, 81, 482-485.	5.5	11
29	Cadmium(II) complexes containing <i>N</i> -substituted <i>N</i> , <i>N</i> -bispyrazolyl ligands: The formation of 4- and 5-coordinated monomers versus 6-coordinated dimer. <i>Inorganic Chemistry Communication</i> , 2014, 44, 164-168.	3.9	11
30	Cobalt(II) complexes supported by iminomethylpyridine derived ligands: Synthesis, characterization and catalytic application towards methyl methacrylate and <i>rac</i> -lactide polymerisations. <i>Polyhedron</i> , 2021, 196, 115003.	2.2	11
31	Cadmium(II) complexes containing <i>N</i> -substituted <i>N</i> , <i>N</i> -di(2-picolyl)amine: The formation of monomeric versus dimeric complexes is affected by the <i>N</i> -substitution group on the amine moiety. <i>Journal of Organometallic Chemistry</i> , 2015, 783, 55-63.	1.8	10
32	Cobalt(II) complexes containing <i>N</i> -substituted <i>N</i> , <i>N</i> -bis((1 <i>H</i> -pyrazol-1-yl)methyl)amine ligands: The formation of four-coordinate or five-coordinate complexes as a function of the <i>N</i> -substitution group in <i>N</i> , <i>N</i> -bis((1 <i>H</i> -pyrazol-1-yl)methyl)amine. <i>Inorganica Chimica Acta</i> , 2015, 438, 118-127.	2.4	10
33	Synthesis, characterization and polymerisation studies of cadmium(II) complexes containing <i>N</i> , <i>N</i> -X-tridentate X-substituted (X = N, O) 2-iminomethylpyridines. <i>Polyhedron</i> , 2019, 158, 432-440.	2.2	10
34	Cd(II) and Zn(II) Complexes Containing <i>N</i> , <i>N</i> '-Bidentate <i>N</i> -(Pyridin-2-ylmethylene)cyclopentanamine: Synthesis, Characterisation and Methyl Methacrylate Polymerisation. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 2929-2934.	1.9	9
35	Synthesis, structural features, and methyl methacrylate polymerisation of binuclear zinc(II) complexes with tetradentate pyrazolyl ligands. <i>Journal of Molecular Structure</i> , 2014, 1063, 70-76.	3.6	8
36	X-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. <i>Applied Organometallic Chemistry</i> , 2014, 28, 445-453.	3.5	8

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37	Synthesis, structure, and magnetic properties of the halide-bridged dimeric complex [(bpmaL1)Fe( $1/4$ -Cl)Cl] <sub>2</sub> . <i>Inorganica Chimica Acta</i> , 2013, 394, 501-505.	2.4	7
38	Polymerization of Methyl Methacrylate Catalyzed by Co( $\langle$ sc $\rangle$ II $\langle$ /sc $\rangle$ ), Cu( $\langle$ sc $\rangle$ II $\langle$ /sc $\rangle$ ), and Zn( $\langle$ sc $\rangle$ II $\langle$ /sc $\rangle$ ) Complexes Bearing $\langle$ i $\rangle$ N $\langle$ /i $\rangle$ -Methyl $\langle$ i $\rangle$ N $\langle$ /i $\rangle$ -((pyridin $\langle$ 2 $\rangle$ yl)methyl)cyclohexanamine. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 763-766.	1.9	7
39	Synthesis and structural characterization of 5-coordinate cobalt(II), copper(II) and 4-coordinate zinc(II) complexes containing N $\langle$ 2 $\rangle$ -cyclopentyl substituted N,N-bispyrazolylmethylamine. <i>Polyhedron</i> , 2016, 110, 149-156.	2.2	7
40	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. <i>Inorganica Chimica Acta</i> , 2019, 487, 221-227.	2.4	7
41	Diverse coordination geometry of cobalt (II), zinc (II), and cadmium (II) complexes comprising N , N rac -lactide. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6204.	3.5	7
42	Facile N $\langle$ 4 $\rangle$ N coupling and copper (II) promoted cleavage of N,N $\langle$ 2 $\rangle$ -linked N-methylbenzimidazole. <i>Inorganic Chemistry Communication</i> , 2008, 11, 1170-1173.	3.9	6
43	Palladium(II) complexes containing N,N $\langle$ 2 $\rangle$ -bidentate N-(pyridin-2-ylmethyl)aniline and its derivatives: Synthesis, structural characterisation, and methyl methacrylate polymerisation. <i>Polyhedron</i> , 2014, 77, 66-74.	2.2	6
44	Development of a new thiol-reactive prosthetic group for site-specific labeling of biomolecules with radioactive iodine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2875-2878.	2.2	6
45	N-heterocyclic carbene $\langle$ silver complexes: Potential conductive materials for silver pastes in electronic applications. <i>Polyhedron</i> , 2011, 30, 465-469.	2.2	5
46	Synthesis and Structural Characterisation of Palladium(II) Complexes with N,N $\langle$ 2 $\rangle$ ,N-Tridentate N $\langle$ 2 $\rangle$ -Substituted N,N-Di(2-picoyl)amines and their Application to Methyl Methacrylate Polymerisation. <i>Australian Journal of Chemistry</i> , 2014, 67, 953.	0.9	5
47	Synthesis, structures, and catalytic efficiency in ring opening polymerization of $\langle$ i $\rangle$ rac $\langle$ /i $\rangle$ -lactide with tridentate $\langle$ i $\rangle$ vs. $\langle$ /i $\rangle$ bidentate cobalt( $\langle$ sc $\rangle$ ii $\langle$ /sc $\rangle$ ), zinc( $\langle$ sc $\rangle$ ii $\langle$ /sc $\rangle$ ), and cadmium( $\langle$ sc $\rangle$ ii $\langle$ /sc $\rangle$ ) complexes containing $\langle$ i $\rangle$ N $\langle$ /i $\rangle$ -substituted $\langle$ i $\rangle$ N $\langle$ /i $\rangle$ , $\langle$ i $\rangle$ N $\langle$ /i $\rangle$ -bis((3,5-dimethyl-1 $\langle$ i $\rangle$ H $\langle$ /i $\rangle$ -pyrazol-1-yl)methyl)amine ligands. <i>RSC Advances</i> , 2021, 11, 18840-18851.	3.6	5
48	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. <i>Polyhedron</i> , 2022, 216, 115696.	2.2	5
49	Copper( $\langle$ sc $\rangle$ II $\langle$ /sc $\rangle$ ) Complexes Containing $\langle$ i $\rangle$ N,N $\langle$ 2 $\rangle$ $\langle$ /i $\rangle$ -Bidentate $\langle$ i $\rangle$ N $\langle$ /i $\rangle$ -((Pyridin $\langle$ 2 $\rangle$ yl)methyl)aniline and Its Derivatives: Synthesis, Structure and Magnetic Property. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 27-32.	1.9	4
50	Copper(II) complexes containing N $\langle$ 2 $\rangle$ -aromatic group substituted N,N $\langle$ 2 $\rangle$ ,N-bis((3,5-dimethyl-1H-pyrazol-1-yl)methyl)amines: Synthesis, structures, polymerization of methyl methacrylate and ring opening polymerization of rac-lactide. <i>Polyhedron</i> , 2020, 187, 114641.	2.2	4
51	Vinyl-addition polymerizations of norbornene and methyl methacrylate by the palladium(II) complexes ligated by 2-iminomethylquinoline and 2-iminomethylpyridine derivatives. <i>Inorganica Chimica Acta</i> , 2022, 539, 121025.	2.4	3
52	The direct exchange mechanism of induced spin polarization of low-dimensional $\langle$ conjugated carbon- and h-BN fragments at LSMO(001) MnO-terminated interfaces. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 440, 23-29.	2.3	2
53	Solvent-triggered single-crystal-to-single-crystal transformation from a monomeric to polymeric copper(II) complex based on an aza macrocyclic ligand. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 225-232.	1.1	2
54	Application of asymmetric Henry reaction by copper(II) complexes containing (R,R)-1,2-diaminocyclohexane with naphthyl and thiophenyl substituents. <i>Inorganica Chimica Acta</i> , 2021, 525, 120492.	2.4	2

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55	Norbornene and methyl methacrylate polymerizations catalyzed by palladium(II) complexes bearing aminomethylpyridine and aminomethylquinoline derivatives. <i>Journal of Molecular Structure</i> , 2022, 1264, 133238.	3.6	2
56	Template synthesis and X-ray crystal structures of 15-membered unsymmetric monobenzotetraazaannulene nickel(II) complexes. <i>Inorganica Chimica Acta</i> , 2013, 399, 62-66.	2.4	1
57	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. <i>Journal of Physical Chemistry A</i> , 2017, 121, 680-689.	2.5	1
58	Synthesis of N, N- $\alpha$ -X-tridentate 2-aminomethylpyrrole-coordinated palladium(II) complexes via N-H bond activation of pyrrole moiety. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3780.	3.5	1
59	Synthesis, structures and reactivity of cobalt(II) complexes supported by N,N, $\alpha$ - $\alpha$ -tetradentate N $\alpha$ -substituted bis((1H-pyrazol-1-yl)methyl)amine. <i>Inorganica Chimica Acta</i> , 2019, 496, 119071.	2.4	1
60	Dibromorhodamine-based photoredox catalysis under visible light for the colorimetric detection of Hg(II) ion. <i>Bulletin of the Korean Chemical Society</i> , 0, , .	1.9	0