

# Hiroschi

## List of Publications by Year in descending order

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citations

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#	ARTICLE	IF	CITATIONS
1	Dinuclear Cobalt(II) Complexes of an Acyclic Phenol-Based Dinucleating Ligand with Four Methoxyethyl Chelating Arms $\hat{=}$ First Magnetic Analyses in an Axially Distorted Octahedral Field. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 2027-2032.	2.0	118
2	Synthesis, Structure, and Magnetic Properties of Dinuclear Cobalt(II) Complexes with a New Phenol-Based Dinucleating Ligand with Four Hydroxyethyl Chelating Arms. <i>Inorganic Chemistry</i> , 2002, 41, 4058-4062.	4.0	98
3	Tetrametallic macrocyclic frameworks constructed from ferrocenedicarboxylato and 2,2'-bipyridine: synthesis, molecular structures and characteristics. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 1218-1229.	1.8	69
4	Hexacyanocobaltate(III) Anions as Precursors of Co(II) $\hat{=}$ Ni(II) Cyano-Bridged Multidimensional Assemblies: A Hydrothermal Syntheses, Crystal and Powder X-ray Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2005, 44, 8399-8406.	4.0	62
5	Magnetic susceptibility equation for dinuclear high-spin cobalt(II) complexes considering the exchange interaction between two axially distorted octahedral cobalt(II) ions. <i>Inorganica Chimica Acta</i> , 2006, 359, 2097-2100.	2.4	50
6	Dicyanamido-metal(II) complexes. Part 4: Synthesis, structure and magnetic characterization of polynuclear Cu(II) and Ni(II) complexes bridged by 1,5-dicyanamide. <i>Inorganica Chimica Acta</i> , 2009, 362, 4073-4080.	2.4	47
7	Synthesis, structure, and magnetic properties of dinuclear nickel(II) complexes with a phenol-based dinucleating ligand with four methoxyethyl chelating arms. <i>Inorganica Chimica Acta</i> , 2005, 358, 1897-1903.	2.4	39
8	Dinuclear Mn complexes as functional models of Mn catalase. <i>Pure and Applied Chemistry</i> , 1995, 67, 273-280.	1.9	32
9	Manganese(II) complexes of an acyclic phenol-based dinucleating ligand with four methoxyethyl chelating arms: synthesis, structure, magnetism and electrochemistry. <i>Inorganica Chimica Acta</i> , 2000, 310, 163-168.	2.4	32
10	Double azido-bridged and mixed-bridged binuclear copper(II) and nickel(II) compounds with N,N,O-donor Schiff bases: Synthesis, structure, magnetic and DFT study. <i>Polyhedron</i> , 2015, 89, 49-54.	2.2	32
11	The structures and magnetism of trinuclear Ni(II), Co(II) and Mn(II) complexes derived from unsymmetrical compartmental ligands. <i>Inorganica Chimica Acta</i> , 2004, 357, 3648-3656.	2.4	31
12	A Dinuclear( $\frac{1}{4}$ -Carboxylato)manganese(II) Complex Derived from a Macrocyclic Ligand: A Structural Model for Active Sites in Natural Systems. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 2535-2537.	4.4	30
13	Two typical cases of magnetism for dinuclear high-spin cobalt(II) complexes in trigonal-bipyramidal fields. <i>Inorganica Chimica Acta</i> , 2002, 338, 255-259.	2.4	30
14	Hydrogen-bonding interactions and magnetic relaxation dynamics in tetracoordinated cobalt(II) single-ion magnets. <i>Dalton Transactions</i> , 2019, 48, 395-399.	3.3	30
15	Dinuclear nickel(II) complexes of a series of dinucleating macrocycles with similar or dissimilar coordination sites: synthesis, structure and physicochemical property. <i>Inorganica Chimica Acta</i> , 1993, 212, 183-190.	2.4	29
16	Different interpenetrated coordination polymers based on flexible dicarboxylate ligands: topological diversity and magnetism. <i>CrystEngComm</i> , 2014, 16, 3103-3112.	2.6	29
17	Polarized Neutron Diffraction as a Tool for Mapping Molecular Magnetic Anisotropy: Local Susceptibility Tensors in Co(II) Complexes. <i>Chemistry - A European Journal</i> , 2016, 22, 724-735.	3.3	29
18	Aminopeptidase function of dinuclear zinc(II) complexes of phenol-based dinucleating ligands: effect of p-substituents. <i>Inorganica Chimica Acta</i> , 2003, 351, 256-260.	2.4	28

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19	$\frac{1}{4}$ -Acetato-di- $\frac{1}{4}$ -phenolato-metal(II)cobalt(II) (Metal = Fe, Co, Ni, Cu, Zn) Complexes with Low-Spin Co(II): Synthesis, Structures, and Magnetism. Bulletin of the Chemical Society of Japan, 2004, 77, 1343-1351.	3.2	28
20	A manganese(III) complex of 3,5-bis((salicylideneamino)methyl)pyrazole: synthesis, structure, and properties. Inorganic Chemistry, 1992, 31, 4987-4990.	4.0	26
21	Magnetic behavior of dinuclear cobalt(II) complexes assumed to be caused by a paramagnetic impurity can be explained by tilts of local distortion axes. Inorganic Chemistry Communication, 2007, 10, 944-947.	3.9	26
22	An unusual self-penetrated metal-organic framework from mixed ligands: Synthesis, structure and magnetism. Inorganic Chemistry Communication, 2012, 19, 27-30.	3.9	25
23	Synthesis and properties of copper(II)-lanthanide(III) complexes of N,N'-bis(3-formyl-5-methylsalicylidene)-1,3-propanediamine. Polyhedron, 1997, 16, 3345-3351.	2.2	24
24	Local magnetic moments in a dinuclear Co(II) complex as seen by polarized neutron diffraction: Beyond the effective spin- $\frac{1}{2}$ complex	2.2	24
25	Identification of cis/trans isomers of bis(acetylacetonato)nickel(II) complexes in solution based on electronic spectra. Inorganica Chimica Acta, 2010, 363, 168-172.	2.4	21
26	An unusual zig-zag 1D copper(II) coordination polymer displaying magnetic phase transition. Dalton Transactions, 2017, 46, 15178-15180.	3.3	21
27	Synthesis of copper(II)-lanthanum(III) complex of a dinucleating macrocycle and its hydrolytic property for 4-nitrophenylphosphate. Inorganic Chemistry Communication, 2002, 5, 56-58.	3.9	20
28	Temperature identification on two 3D Mn(II) metal-organic frameworks: syntheses, adsorption and magnetism. RSC Advances, 2014, 4, 20605.	3.6	19
29	Cobalt(II) Magnetic Metal-Organic Framework with an Effective Kagomé Lattice, Large Surface Area, and High Spin-Canted Ordering Temperature. ACS Applied Materials & Interfaces, 2017, 9, 38181-38186.	8.0	19
30	Template Synthesis and Crystal Structure of a Dilead(II) Complex of a Macrocyclic with N4O2 Donor Set. Bulletin of the Chemical Society of Japan, 1990, 63, 3337-3339.	3.2	18
31	A Novel Discrete d-f Heterobinuclear Complex Designed from Tetrahedrally Distorted [Cu(salabza)](H2salabza: N,N'-Bis(salicylidene)-2-aminobenzylamine) and [Gd(hfac)3]. Chemistry Letters, 1998, 27, 911-912.	1.3	18
32	Electronic spectrum and magnetic properties of a dinuclear nickel(II) complex with two nickel(II) ions of C2-twisted octahedral geometry. Inorganica Chimica Acta, 2011, 365, 183-189.	2.4	17
33	V(IV)O <sup>2+</sup> -Ln(III) complexes (Ln = La, Eu or Gd) of the compartmental ligand N,N'-bis(3-hydroxysalicylidene)ethylenediamine. Journal of Alloys and Compounds, 1996, 238, 23-27.	5.5	16
34	A new 2D'2D interpenetrating polymer containing polyrotaxane- and polycatenane-like motifs: The tilt of local distortion axes for the magnetic behavior. Inorganic Chemistry Communication, 2012, 25, 10-13.	3.9	16
35	Conformational analysis of an octahedral zinc(II) complex with six dimethylsulfoxide. Polyhedron, 2016, 119, 512-516.	2.2	15
36	Copper(II)-Lanthanide(III) Complexes of Symmetric Dinucleating Macrocyclic with Two Phenolate Bridges. Bulletin of the Chemical Society of Japan, 1998, 71, 379-383.	3.2	14

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37	Synthesis, Structure and Magnetic Property of a Tetranuclear Iron(III) Complex of "Face-to-Face" Type. Bulletin of the Chemical Society of Japan, 2003, 76, 1009-1010.	3.2	14
38	Dinuclear nickel complexes of phenolbased dinucleating macrocycles: Synthesis, structure, and properties. Supramolecular Chemistry, 1996, 6, 293-302.	1.2	13
39	Trigonal-Bipyramidal Geometry in a Cobalt(II) Complex with an Unsymmetrical Tripodal Ligand. Bulletin of the Chemical Society of Japan, 2001, 74, 2131-2132.	3.2	13
40	Aminopeptidase function of dinuclear zinc(II) complexes with chiral dinucleating ligands: Stereoselectivity by chiral substrate recognition. Inorganic Chemistry Communication, 2005, 8, 372-374.	3.9	13
41	Magnetic analysis of a tetranuclear octahedral high-spin cobalt(ii) complex based on a newly derived magnetic susceptibility equation. Dalton Transactions, 2014, 43, 14542-14545.	3.3	12
42	Biomimetic Polyelectrolytes Based on Polymer Nanosheet Films and Their Proton Conduction Mechanism. Langmuir, 2019, 35, 3302-3307.	3.5	12
43	<i>d</i> -Orbital orientation in a dimer cobalt complex: link to magnetic properties?. Acta Crystallographica Section B: Structural Science, 2011, 67, 324-332.	1.8	11
44	Synthesis, Characterization, and Magnetic Properties of Two Transition Metal Coordination Polymers Based on 2,5-Furandicarboxylic Acid and N-Donor Ligands. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 1053-1060.	3.7	11
45	A neutral paddlewheel-type diruthenium(III) complex with benzamidinato ligands: Synthesis, crystal structure, magnetism, and electrochemical and absorption properties. Polyhedron, 2017, 136, 87-92.	2.2	11
46	Magneto-structural correlation of hexakis-dmsco cobalt(ii) complex. Dalton Transactions, 2017, 46, 16306-16314.	3.3	11
47	Zero-field slow relaxation of magnetization in cobalt(II) single-ion magnets: suppression of quantum tunneling of magnetization by tailoring the intermolecular magnetic coupling. RSC Advances, 2020, 10, 43472-43479.	3.6	11
48	Syntheses and Structures of Three Complexes of Formulas $[L_3Co(\frac{1}{4}O)_2P(Bn)_2]_3Co^{2+}[L^3]$ , Featuring Octahedral and Tetrahedral Cobalt(II) Geometries; Variable-Temperature Magnetic Susceptibility Measurement and Analysis on $[(py)_3Co(\frac{1}{4}O)_2PBn_2]_3Co(py)[ClO_4]$ . Inorganic Chemistry, 2012, 51, 4903-4905.	4.0	10
49	Synthesis and magnetic properties of a dinuclear manganese(II) complex with two manganese(II) ions of C <sub>2</sub> -twisted octahedral geometry. Polyhedron, 2016, 111, 32-37.	2.2	10
50	Two metal-organic frameworks constructed from 2,5-thiophenedicarboxylate and methyl-functionalized N-donorligands with magnetic, luminescent and catalytic studies. Inorganic Chemistry Communication, 2018, 91, 39-43.	3.9	10
51	Electronic spectral studies of dinuclear Cobalt(II) complexes with a phenol-based dinucleating ligand containing four methoxyethyl chelating arms. Inorganica Chimica Acta, 2004, 357, 4309-4312.	2.4	9
52	Formation of polar crystals of a chiral dinuclear nickel(II) complex and their pyroelectric effect and electro-optic effect. Inorganic Chemistry Communication, 2006, 9, 18-20.	3.9	9
53	Structural Elucidation of Glycosphingolipids by Collision-Induced Dissociation of Sodium Ion Complex.. Chemical and Pharmaceutical Bulletin, 1997, 45, 1611-1614.	1.3	8
54	Magnetic Properties of a Dinuclear Nickel(II) Complex with 2,6-Bis[(2-hydroxyethyl)methylaminomethyl]-4-methylphenolate. Inorganic Chemistry, 2017, 56, 138-146.	4.0	8

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55	A highly-flexible cyclic-decavanadate ligand for interconversion of dinuclear- and trinuclear-cobalt( $\text{II}$ ) and manganese( $\text{II}$ ) cores. <i>RSC Advances</i> , 2017, 7, 37666-37674.	3.6	8
56	Synthesis, Crystal Structures and Magnetic Properties of Mixed-Valent Tetranuclear Complexes with Y-Shaped $\text{MnII}_2\text{MnIII}_2$ Core. <i>Magnetochemistry</i> , 2019, 5, 8.	2.4	8
57	Synthesis of water-soluble dinuclear metal complexes [metal=cobalt(II) and nickel(II)] and their behavior in solution. <i>Inorganica Chimica Acta</i> , 2008, 361, 2918-2922.	2.4	7
58	Synthesis and Crystal Structure of a Hexa-DMF Nickel(II) Complex that Belongs to an $S_6$ Point Group. <i>X-ray Structure Analysis Online</i> , 2011, 27, 71-72.	0.2	7
59	Redox active mixed-valence hexamanganese double-cubane complexes supported by tetravanadates. <i>New Journal of Chemistry</i> , 2019, 43, 17703-17710.	2.8	7
60	An uncommon 3D Co <sub>5</sub> -cluster-based metal-organic framework: Synthesis, structure and magnetism. <i>Inorganic Chemistry Communication</i> , 2017, 82, 24-26.	3.9	6
61	Enumeration of conformers for octahedral $[\text{MX}(\text{AB})_5]$ and $[\text{MX}(\text{ABC})_5]$ complexes on the basis of computational group theory. <i>Journal of Mathematical Chemistry</i> , 2017, 55, 1360-1366.	1.5	6
62	The crystal structure of $[\text{Mg}(\text{dmsO})_6][\text{BPh}_4]_2$ and the formation mechanism of the conformer on the basis of conformational analysis. <i>Dalton Transactions</i> , 2019, 48, 10174-10179.	3.3	6
63	Reversible crystal-to-crystal phase transition of an octahedral zinc(II) complex with six dimethylsulfoxide. <i>Polyhedron</i> , 2019, 158, 494-498.	2.2	6
64	Structures of Dimer-of-Dimers Type Defect Cubane Tetranuclear Copper(II) Complexes with Novel Dinucleating Ligands. <i>Molecules</i> , 2022, 27, 576.	3.8	6
65	Prediction of Blood-Brain Barrier Penetration (BBBP) Based on Molecular Descriptors of the Free-Form and In-Blood-Form Datasets. <i>Molecules</i> , 2021, 26, 7428.	3.8	6
66	Structure Controlling Factors of Oxido-Bridged Dinuclear Iron(III) Complexes. <i>Molecules</i> , 2021, 26, 897.	3.8	5
67	Trigonally-compressed octahedral geometry of hexaamminecobalt(III) complex cation in aqueous solution investigated from the electronic spectra. <i>Spectroscopy Letters</i> , 2017, 50, 111-114.	1.0	4
68	Magnetic and Electrochemical Properties of Lantern-Type Dinuclear Ru(II,III) Complexes with Axial Chloride Ions or Water Molecules. <i>Magnetochemistry</i> , 2019, 5, 18.	2.4	4
69	Detailed magnetic analysis and successful deep-neural-network-based conformational prediction for $[\text{VO}(\text{dmsO})_5][\text{BPh}_4]_2$ . <i>RSC Advances</i> , 2020, 10, 9678-9685.	3.6	4
70	Structural investigation of nickel(II) complexes with bidentate aminoether ligands in solution based on the electronic spectra. <i>Polyhedron</i> , 2015, 96, 44-50.	2.2	3
71	Paddlewheel-type diruthenium( $\text{III}$ , $\text{III}$ ) tetrakis(2-aminopyridinate) complexes with NIR absorption features: combined experimental and theoretical study. <i>Dalton Transactions</i> , 2019, 48, 12421-12429.	3.3	3
72	Theoretical Equations of Zeeman Energy Levels for Distorted Metal Complexes with $3T_1$ Ground Terms. <i>Magnetochemistry</i> , 2019, 5, 17.	2.4	3

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73	Enumeration of conformers for octahedral trans/cis-[MX <sub>2</sub> (AB) <sub>4</sub> ] and trans/cis-[MX <sub>2</sub> (ABC) <sub>4</sub> ] complexes on the basis of computational group theory. Journal of Mathematical Chemistry, 2018, 56, 3126-3135.	1.5	2
74	Theoretical equations of Zeeman energy levels for distorted metal complexes with ${}^5T_{2g}$ ground terms. Journal of Mathematical Chemistry, 2019, 57, 858-874.	1.5	2
75	Formation and decomposition of Nickel(II) complexes with tridentate aminoether or aminoalcohol ligands. Polyhedron, 2020, 175, 114228.	2.2	2
76	Mixed-Valent Trinuclear Co(III)-Co(II)-Co(III) Complex with 1,3-Bis(5-chlorosalicylideneamino)-2-propanol. Molecules, 2022, 27, 4211.	3.8	2
77	Structural prediction for square-planar [M(dmf) <sub>4</sub> ] type and octahedral cis/trans-[MX <sub>2</sub> (dmf) <sub>4</sub> ] type complexes on the basis of group theory method. Journal of Molecular Structure, 2021, 1229, 129605.	3.6	0
78	Magneto-Structural Relationship of Tetragonally-Compressed Octahedral Iron(II) Complex Surrounded by a pseudo-S <sub>6</sub> Symmetric Hexakis-Dimethylsulfoxide Environment. Magnetochemistry, 2021, 7, 30.	2.4	0
79	Crystal structure, magnetic properties, and structural prediction for an oxidovanadium(IV) complex [VO(dmf) <sub>5</sub> ][PF <sub>6</sub> ] <sub>2</sub> . Journal of Coordination Chemistry, 2021, 74, 1222-1232.	2.2	0