

Ho-Chol Chang

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101
papers

4,597
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h-index

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111
ext. papers

4,743
ext. citations

5.9
avg, IF

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L-index

#	Paper	IF	Citations
101	Formation of a one-dimensional array of oxygen in a microporous metal-organic solid. <i>Science</i> , 2002 , 298, 2358-61	33.3	552
100	A neutral 3D copper coordination polymer showing 1D open channels and the first interpenetrating NbO-type network. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 192-5	16.4	536
99	Novel flexible frameworks of porous cobalt(II) coordination polymers that show selective guest adsorption based on the switching of hydrogen-bond pairs of amide groups. <i>Chemistry - A European Journal</i> , 2002 , 8, 3586-600	4.8	374
98	Expanding and shrinking porous modulation based on pillared-layer coordination polymers showing selective guest adsorption. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3269-72	16.4	363
97	Temperature-controlled hydrothermal synthesis of a 2D ferromagnetic coordination bilayered polymer and a novel 3D network with inorganic Co ₃ (OH) ₂ ferrimagnetic chains. <i>Chemical Communications</i> , 2004 , 418-9	5.8	213
96	Pseudo-polyrotaxane and beta-sheet layer-based three-dimensional coordination polymers constructed with silver salts and flexible pyridyl-type ligands. <i>Inorganic Chemistry</i> , 2002 , 41, 4846-8	5.1	186
95	Porous lanthanide-organic framework with zeolite-like topology. <i>Chemical Communications</i> , 2005 , 2436-8	5.8	177
94	Out-of-plane dimers of Mn(III) quadridentate Schiff-base complexes with saltmen ²⁺ and naphtmen ²⁺ ligands: structure analysis and ferromagnetic exchange. <i>Dalton Transactions RSC</i> , 2002 , 1528-1534		153
93	A novel three-dimensional coordination polymer constructed with mixed-valence dimeric copper(I,II) units. <i>Chemical Communications</i> , 2003 , 428-9	5.8	145
92	Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption. <i>Angewandte Chemie</i> , 2004 , 116, 3331-3334	3.6	91
91	Synthesis, structures, and magnetic properties of the copper(II), cobalt(II), and manganese(II) complexes with 9-acridinecarboxylate and 4-quinolinecarboxylate ligands. <i>Inorganic Chemistry</i> , 2005 , 44, 9837-46	5.1	87
90	Metal-complex assemblies constructed from the flexible hinge-like ligand H ₂ bhnq: structural versatility and dynamic behavior in the solid state. <i>Chemistry - A European Journal</i> , 2004 , 10, 2647-60	4.8	86
89	Molecule-based valence tautomeric bistability synchronized with a macroscopic crystal-melt phase transition. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5515-22	16.4	74
88	Cation-templated construction of three-dimensional Po cubic-type [M(dca) ₃] networks. Syntheses, structures and magnetic properties of A[M(dca) ₃](dca = dicyanamide; for A = benzyltributylammonium, M = Mn ²⁺ , Co ²⁺ ; for A = benzyltriethylammonium, M = Mn ²⁺ , Fe ²⁺). <i>New Journal of Chemistry</i> , 2003 , 27, 779-782	3.6	56
87	Vapochromic luminescence and flexibility control of porous coordination polymers by substitution of luminescent multinuclear Cu(I) cluster nodes. <i>Inorganic Chemistry</i> , 2015 , 54, 8905-13	5.1	54
86	A New Class of Cyclic Hexamer: [Co ₆ L ₆] (H L = hexaazatriphenylene hexacarboxylic acid). <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3817-3819	16.4	54
85	Shape-Memory Platinum(II) Complexes: Intelligent Vapor-History Sensor with ON-OFF Switching Function. <i>Chemistry - A European Journal</i> , 2016 , 22, 2682-90	4.8	52

84	Photo- and vapor-controlled luminescence of rhombic dicopper(I) complexes containing dimethyl sulfoxide. <i>Inorganic Chemistry</i> , 2013 , 52, 13188-98	5.1	51
83	Metal-organic thin-film transistor (MOTFT) based on a bis(o-diiminobenzosemiquinonate) nickel(II) complex. <i>Journal of the American Chemical Society</i> , 2005 , 127, 10012-3	16.4	47
82	Effect of the metal-assisted assembling mode on the redox states of hexaazatriphenylene hexacarbonitrile. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2700-2704	16.4	47
81	Syntheses and crystal structures of three one-dimensional copper(II) complexes constructed by salicylate and 4,4'-bipyridine: ladder, zig-zag, and linear polymeric assembly. <i>Inorganica Chimica Acta</i> , 2003 , 355, 121-126	2.7	45
80	New molecular assemblies of redox isomers, [CrIII(X4SQ)3-n(X4Cat)n]-n (X = Cl and Br; n = 0, 1, and 2), with metallocenium cations, [MIIICp2]+ (M = Co and Fe): X-ray crystal structures and physical properties. <i>Inorganic Chemistry</i> , 2001 , 40, 146-56	5.1	45
79	Vapor-controlled linkage isomerization of a vapochromic bis(thiocyanato)platinum(II) complex: new external stimuli to control isomerization behavior. <i>Inorganic Chemistry</i> , 2012 , 51, 7508-19	5.1	43
78	Nonprecious-metal-assisted photochemical hydrogen production from ortho-phenylenediamine. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8646-54	16.4	43
77	Rational Design of a Ferromagnetic Trinuclear Copper(II) Complex with a Novel in-situ Synthesised Metalloligand. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 2385-2388	2.3	43
76	Structures and Luminescence Properties of Cyclometalated Dinuclear Platinum(II) Complexes Bridged by Pyridinethiolate Ions. <i>Bulletin of the Chemical Society of Japan</i> , 2011 , 84, 218-225	5.1	41
75	A redox-active columnar metallomesogen and its cyclic voltammetric responses. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4136		41
74	A Neutral 3D Copper Coordination Polymer Showing 1D Open Channels and the First Interpenetrating NbO-Type Network. <i>Angewandte Chemie</i> , 2004 , 116, 194-197	3.6	39
73	Vapour-adsorption and chromic behaviours of luminescent coordination polymers composed of a Pt(II)-diimine metalloligand and alkaline-earth metal ions. <i>Dalton Transactions</i> , 2011 , 40, 8012-8	4.3	38
72	An unprecedented mixed-charged state in a supramolecular assembly of ligand-based mixed-valence redox isomers (ET(*+))(3)[Cr(III)(Cl(4)SQ)(2)(Cl(4)Cat)](-)[Cr(III)(Cl(4)SQ)(Cl(4)Cat)(2)](2-). <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 130-3	16.4	35
71	Vapour and mechanically induced chromic behaviour of platinum complexes with a dimer-of-dimer motif and the effects of heterometal ions. <i>Dalton Transactions</i> , 2013 , 42, 5514-23	4.3	33
70	Synthesis, X-ray crystal structures and properties of chromium complexes with semiquinonate and catecholate. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 2467-2476		33
69	Ambipolar, Single-Component, Metal-Organic Thin-Film Transistors with High and Balanced Hole and Electron Mobilities. <i>Advanced Materials</i> , 2008 , 20, 3399-3403	24	31
68	Synthesis and ligand-based mixed valency of cis- and trans-Cr(III)(X(4)SQ)(X(4)Cat)(L)(n) (X = Cl and Br, n = 1 or 2) complexes: effects of solvent media on intramolecular charge distribution and ligand dissociation of Cr(III)(X(4)SQ)(3). <i>Inorganic Chemistry</i> , 2002 , 41, 4444-52	5.1	31
67	Flexible coordination polymers composed of luminescent ruthenium(II) metalloligands: importance of the position of the coordination site in metalloligands. <i>Inorganic Chemistry</i> , 2014 , 53, 2910-21	5.1	30

66	Chromic behaviors of hexagonal columnar liquid crystalline platinum complexes with catecholato, 2-thiophenolato, and benzenedithiolato. <i>Inorganic Chemistry</i> , 2011 , 50, 4279-88	5.1	29
65	Dimensionality control of vapo-chromic hydrogen-bonded proton-transfer assemblies composed of a bis(hydrazone)iron(II) complex. <i>Inorganic Chemistry</i> , 2011 , 50, 8308-17	5.1	28
64	Solvent-Dependent Formation of Di- and Trinuclear Rhodium and Iridium Complexes Bridged by N,N'-Donor Ligands. <i>Bulletin of the Chemical Society of Japan</i> , 2002 , 75, 267-275	5.1	28
63	Polymorph-Dependent Molecular Valence Tautomerism Synchronized with Crystal-Melt Phase Transitions. <i>Chemistry of Materials</i> , 2009 , 21, 1980-1988	9.6	27
62	A facile and versatile preparation of bilindiones and biladienones from tetraarylporphyrins. <i>Chemical Communications</i> , 2005 , 1309-11	5.8	27
61	Dehydrogenation of anhydrous methanol at room temperature by o-aminophenol-based photocatalysts. <i>Nature Communications</i> , 2016 , 7, 12333	17.4	25
60	Terpyridine platinum(II) complexes containing triazine di- or tri-thiolate bridges: structures, luminescence, electrochemistry, and aggregation. <i>Dalton Transactions</i> , 2012 , 41, 11497-506	4.3	23
59	Syntheses, structures, and physicochemical properties of diruthenium compounds of tetrachlorocatecholato with metal-metal bonded Ru(3+)(μ -OR)(2)Ru(3+) and Ru(3.5+)(μ -OR)(2)Ru(3.5+) cores (R = CH(3) and C(2)H(5)). <i>Inorganic Chemistry</i> , 2001 , 40, 3544-54	5.1	23
58	Systematic structural control of multichromic platinum(II)-diimine complexes ranging from ionic solid to coordination polymer. <i>Dalton Transactions</i> , 2012 , 41, 1878-88	4.3	22
57	Effect of the Metal-Assisted Assembling Mode on the Redox States of Hexaazatriphenylene Hexacarbonitrile. <i>Angewandte Chemie</i> , 2005 , 117, 2760-2764	3.6	22
56	Ln-Co-based rock-salt-type porous coordination polymers: vapor response controlled by changing the lanthanide ion. <i>Inorganic Chemistry</i> , 2011 , 50, 2061-3	5.1	21
55	Metal-dependent and redox-selective coordination behaviors of metalloligand [MoV(1,2-benzenedithiolato) ₃] ⁻ with CuI/AgI ions. <i>Inorganic Chemistry</i> , 2011 , 50, 2859-69	5.1	19
54	Polytypic phase transition in alkyl chain-functionalized valence tautomeric complexes. <i>Dalton Transactions</i> , 2006 , 1377-82	4.3	19
53	Acid-Base Behavior of Substituted Hydrazone Complexes Controlled by the Coordination Geometry. <i>Bulletin of the Chemical Society of Japan</i> , 2010 , 83, 905-910	5.1	18
52	Formation of 3D networks by H-bonding from novel trinuclear or 1D chain complexes of zinc(II) and cadmium(II) with isonicotinic acid analogues and the effects of π -stacking. <i>CrystEngComm</i> , 2005 , 7, 411	3.3	17
51	Substituent-directed structural and physicochemical controls of diruthenium catecholato complexes with ligand-unsupported Ru-Ru bonds. <i>Inorganic Chemistry</i> , 2005 , 44, 3799-809	5.1	17
50	Modulable cooperativity in a valence tautomeric complex functionalized with branched alkyl chains. <i>Chemical Communications</i> , 2010 , 46, 3729-31	5.8	16
49	Systematic syntheses and metalloligand doping of flexible porous coordination polymers composed of a Co(III)-metalloligand. <i>Inorganic Chemistry</i> , 2015 , 54, 2522-35	5.1	14

48	Synchronic Transformations of Molecular States and Macroscopic Phases in Valence-Tautomeric Complexes. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 642-652	2.3	14
47	Effects of countercations on the structures and redox and spectroscopic properties of diruthenium catecholate complexes with ligand-unsupported Ru-Ru bonds. <i>Inorganic Chemistry</i> , 2005 , 44, 3810-7	5.1	13
46	Bimodal three-membered valence tautomerism of an alkyl chain-functionalized manganese dioxolene complex. <i>Chemical Communications</i> , 2009 , 4085-7	5.8	12
45	Syntheses and crystal structures of mononuclear rhodium hydrido complexes from the reactions of $[Rh(H)2(PPh3)2(EtOH)2]ClO4$ with various nitrogen ligands. <i>Polyhedron</i> , 2002 , 21, 1613-1620	2.7	12
44	ON/OFF Switching of the Solvatochromic Behavior of a Copper(II)Hydrazone Complex Induced by Protonation/Deprotonation. <i>Chemistry Letters</i> , 2011 , 40, 1335-1337	1.7	11
43	Hysteretic vapour response of a heterodinuclear platinum(II)-copper(II) complex derived from the dimer-of-dimer motif and the guest-absorbing site. <i>Dalton Transactions</i> , 2014 , 43, 7514-21	4.3	10
42	Immobilization of a Redox-active Catecholato Pt(II) Complex on an Indium-doped Tin Oxide Electrode via Phosphonate Anchors. <i>Chemistry Letters</i> , 2014 , 43, 1189-1191	1.7	10
41	Formation of a Ligand-based Mixed-valence Cluster Triggered by Dehydration Condensation of Semiquinonates witho-Phenylenediamines. <i>Chemistry Letters</i> , 2005 , 34, 402-403	1.7	9
40	New coordination networks constructed from N-(4-pyridyl)isonicotinamide. <i>Crystal Engineering</i> , 1999 , 2, 115-122		9
39	Coordination site-dependent cation binding and multi-responsible redox properties of Janus-head metalloligand, $[Mo(V)(1,2-mercaptophenolato)3]$. <i>Dalton Transactions</i> , 2012 , 41, 8303-15	4.3	8
38	Photoinduced dimerization reaction coupled with oxygenation of a platinum(II)-hydrazone complex. <i>Inorganic Chemistry</i> , 2014 , 53, 2573-81	5.1	7
37	Integration of alkyl-substituted bipyridyl benzenedithiolato platinum(II) complexes with cadmium(II) ion via selective dative bond formation. <i>Inorganic Chemistry</i> , 2013 , 52, 4324-34	5.1	7
36	Voltammetric Antioxidant Analysis in Mineral Oil Samples Immobilized into Boron-Doped Diamond Micropore Array Electrodes. <i>Electroanalysis</i> , 2009 , 21, 1341-1347	3	7
35	Structural and spectroscopic characterization of a diruthenium o-dioxolene complex possessing a singly occupied molecular orbital delocalized over the entire molecule, $[Ru2(3,6-DTBDiox)4]^-$. <i>Inorganic Chemistry</i> , 2006 , 45, 3990-7	5.1	7
34	Eine neue Klasse von cyclischen Hexameren: $[Co6L6]24[H6L=Hexaazatriphenylenhexacarbonsäure]$. <i>Angewandte Chemie</i> , 2001 , 113, 3933-3935	3.6	7
33	A New Class of Cyclic Hexamer: $[Co(6)L(6)](24-)(H(6)L=hexaazatriphenylene hexacarboxylic acid)$. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3817-3819	16.4	7
32	Synthesis and Vapor-adsorption Behavior of a Flexible Porous Coordination Polymer Built from a Bis(bipyridyl)Cu(I) Metalloligand. <i>Chemistry Letters</i> , 2014 , 43, 1070-1072	1.7	6
31	Spontaneous Construction of Nanoneedles Using Ruthenium Complex-conjugated Porphyrins on Substrates. <i>Chemistry Letters</i> , 2014 , 43, 1201-1203	1.7	6

30	Self-association and columnar liquid crystalline phase of cationic alkyl-substituted-bipyridine benzenedithiolato gold(III) complexes. <i>Dalton Transactions</i> , 2013 , 42, 15995-6005	4.3	6
29	Synthesis, structure and photophysical properties of a flavin-based platinum(II) complex. <i>Dalton Transactions</i> , 2011 , 40, 3484-9	4.3	6
28	Allosteric binding of amino alcohols and diamines by dimeric zinc biladienone. <i>Tetrahedron Letters</i> , 2009 , 50, 536-539	2	6
27	Highly polar solvent-induced disproportionation of a cationic Pt(II)-diimine complex containing an o-semiquinonato. <i>Dalton Transactions</i> , 2016 , 45, 4974-7	4.3	5
26	Structural, Spectroscopic and Magnetic Properties of Charge-Transfercomplex, (TMTSF)[Cr(Cl4SQ)2(Cl4Cat)] \cdot 0.5CH ₂ Cl ₂ . <i>Molecular Crystals and Liquid Crystals</i> , 1999 , 335, 183-192		5
25	Impact of Group 10 Metals on the Solvent-Induced Disproportionation of o-Semiquinonato Complexes. <i>Chemistry - A European Journal</i> , 2019 , 25, 8268-8278	4.8	4
24	Direct Photochemical C-H Carboxylation of Aromatic Diamines with CO under Electron-Donor- and Base-free Conditions. <i>Scientific Reports</i> , 2018 , 8, 14623	4.9	4
23	Interactions between the trianionic ligand-centred redox-active metalloligand [Cr(III)(perfluorocatecholato) ₃](3-) and guest metal ions. <i>Dalton Transactions</i> , 2015 , 44, 14304-14	4.3	3
22	Tuning the Mesomorphism and Redox Response of Anionic-Ligand-Based Mixed-Valent Nickel(II) Complexes by Alkyl-Substituted Quaternary Ammonium Cations. <i>Chemistry - A European Journal</i> , 2018 , 24, 7398-7409	4.8	3
21	An Unprecedented Mixed-Charged State in a Supramolecular Assembly of Ligand-Based Mixed-Valence Redox Isomers (ET.+) ₃ [Cr(III)(Cl ₄ SQ) ₂ (Cl ₄ Cat)][Cr(III)(Cl ₄ SQ)(Cl ₄ Cat) ₂] \cdot 2H ₂ O. <i>Angewandte Chemie</i> , 2002 , 114, 138-141	3.6	3
20	X-ray Crystal Structures and Two-dimensional π - π Stacking Interaction of Cr(III)(X ₄ SQ) ₃ \cdot 4C ₆ H ₆ (X=Cl and Br). <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 376, 275-282	0.5	3
19	New One-dimensional Chain Compounds of [M(pdz) ₂ Cl ₂] _n (M=Cu(II), Fe(II), Mn(II); pdz = pyridazine and Their Magnetic Properties. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 376, 283-288	0.5	3
18	Hydrogen-Bond Network of Dimeric Copper Complex of Vanillic Acid (HVA), [Cu(VA) ₂ (H ₂ O)] ₂ . <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 342, 97-102		3
17	Coordination Behavior of N,N'-Bis(diisopropylphosphinoacetyl)-o-phenylenediamide with Ni(II) and Cu(I) Ions. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 3498-3507	2.3	2
16	A Coordination Network with Ligand-Centered Redox Activity Based on facial-[Cr(2-mercaptophenolato)] ₃ Metalloligands. <i>Chemistry - A European Journal</i> , 2017 , 23, 9919-9925	4.8	2
15	Tuning the Electron Acceptability of the [Mo ₆ S ₈] Cluster Core by Decorating It with Methyl Groups on the Face-Bridging μ -3-Sulfides. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3900-3904	2.3	2
14	Syntheses and Structures of Molybdenum-Oxo Complexes Prepared by the Reactions of [Mo(II)(OAc) ₄] with tert-Butyl- or Bromo-Substituted Catechols. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 74-83	5.1	2
13	Dynamic torsional motion of a diruthenium complex with four homo-catecholates and first synthesis of a diruthenium complex with mixed-catecholates. <i>Journal of Molecular Structure</i> , 2008 , 890, 303-308	3.4	2

12	Magnetism of a one-dimensional array of oxygen in a micro-porous metal-organic solid. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E643-E645	2.8	2
11	Effect of Countercations on the Structural Isomerization of a Dianionic Diruthenium Complex with a Ligand-unsupported Ru-Ru Bond. <i>Chemistry Letters</i> , 2005 , 34, 1662-1663	1.7	2
10	Structural and Spectroscopic Studies on the Interactions of ortho-Phenylenediamine and Li ⁺ , Na ⁺ , Mg ²⁺ , or Ca ²⁺ Ions. <i>Chemistry Letters</i> , 2017 , 46, 232-235	1.7	1
9	Molecular Insights into the Ligand-Based Six-Proton- and Six-Electron-Transfer Processes Between Tris-ortho-Phenylenediamines and Tris-ortho-Benzoquinodiimines. <i>Chemistry - A European Journal</i> , 2020 , 26, 9609-9619	4.8	1
8	Functional Group-Directed Photochemical Reactions of Aromatic Alcohols, Amines, and Thiols Triggered by Excited-State Hydrogen Detachment: Additive-free Oligomerization, Disulfidation, and C(sp)-H Carboxylation with CO. <i>Journal of Organic Chemistry</i> , 2021 , 86, 959-969	4.2	1
7	Excited-state hydrogen detachment from a tris-(o-phenylenediamine) iron(ii) complex in THF at room temperature. <i>Chemical Communications</i> , 2020 , 56, 15414-15417	5.8	0
6	Facile and selective synthesis of zeolites L and W from a single-source heptanuclear aluminosilicate precursor. <i>CrystEngComm</i> , 2020 , 22, 5862-5870	3.3	0
5	Cover Picture: Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption (Angew. Chem. Int. Ed. 25/2004). <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3205-3205	16.4	
4	Titelbild: Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption (Angew. Chem. 25/2004). <i>Angewandte Chemie</i> , 2004 , 116, 3267-3267	3.6	
3	Assembled Functional Chemistry of Redox-active Complexes. <i>Bulletin of Japan Society of Coordination Chemistry</i> , 2009 , 53, 24-32	0.3	
2	Tuning the Electron Acceptability of the [Mo ₆ S ₈] Cluster Core by Decorating It with Methyl Groups on the Face-Bridging μ ₃ -Sulfides. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3884-3884	2.3	
1	Tunable Synchronicity of Molecular Valence Tautomerism with Macroscopic Solid-Liquid Transition by Molecular Lattice Engineering. <i>Chemistry - A European Journal</i> , 2021 , 27, 16354-16366	4.8	