Ho-Chol Chang

List of Publications by Year
in descending order

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102	4,952	105849	75688
papers	citations	33 h-index	70 g-index

111	111	111	3889
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formation of a One-Dimensional Array of Oxygen in a Microporous Metal-Organic Solid. Science, 2002, 298, 2358-2361.	19.6	601
2	A Neutral 3D Copper Coordination Polymer Showing 1D Open Channels and the First Interpenetrating NbO-Type Network. Angewandte Chemie - International Edition, 2004, 43, 192-195.	14.2	559
3	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. Chemistry - A European Journal, 2002, 8, 3586.	3.8	395
4	Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption. Angewandte Chemie - International Edition, 2004, 43, 3269-3272.	14.2	381
5	Temperature-controlled hydrothermal synthesis of a 2D ferromagnetic coordination bilayered polymer and a novel 3D network with inorganic Co3(OH)2ferrimagnetic chains. Chemical Communications, 2004, , 418-419.	4.1	220
6	Pseudo-Polyrotaxane andÎ²-Sheet Layer-Based Three-Dimensional Coordination Polymers Constructed with Silver Salts and Flexible Pyridyl-Type Ligands. Inorganic Chemistry, 2002, 41, 4846-4848.	4.1	194
7	Porous lanthanideâ€“organic framework with zeolite-like topology. Chemical Communications, 2005, , 2436.	4.1	179
8	Out-of-plane dimers of Mn(iii) quadridentate Schiff-base complexes with saltmen2â€“ and naphtmen2â€“ ligands: structure analysis and ferromagnetic exchange. Dalton Transactions RSC, 2002, , 1528-1534.	2.1	160
9	A novel three-dimensional coordination polymer constructed with mixed-valence dimeric copper(i,ii) unitsElectronic supplementary information (ESI) available: synthesis and data for 1. See http://www.rsc.org/suppdata/cc/b2/b210914j/. Chemical Communications, 2003, , 428-429.	4.1	151
10	Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption. Angewandte Chemie, 2004, 116, 3331-3334.	2.1	94
11	Metal-Complex Assemblies Constructed from the Flexible Hinge-Like Ligand H2bhnq: Structural Versatility and Dynamic Behavior in the Solid State. Chemistry - A European Journal, 2004, 10, 2647-2660.	3.8	92
12	Synthesis, Structures, and Magnetic Properties of the Copper(II), Cobalt(II), and Manganese(II) Complexes with 9-Acridinecarboxylate and 4-Quinolinecarboxylate Ligands. Inorganic Chemistry, 2005, 44, 9837-9846.	4.1	92
13	Molecule-Based Valence Tautomeric Bistability Synchronized with a Macroscopic Crystal-Melt Phase Transition. Journal of the American Chemical Society, 2008, 130, 5515-5522.	14.1	79
14	Vapochromic Luminescence and Flexibility Control of Porous Coordination Polymers by Substitution of Luminescent Multinuclear Cu(I) Cluster Nodes. Inorganic Chemistry, 2015, 54, 8905-8913.	4.1	70
15	Shapeâ€Memory Platinum(II) Complexes: Intelligent Vaporâ€History Sensor with ONâ€“OFF Switching Function. Chemistry - A European Journal, 2016, 22, 2682-2690.	3.8	70
16	A New Class of Cyclic Hexamer: [Co6L6]24â^' (H6L=hexaazatriphenylene hexacarboxylic acid). Angewandte Chemie - International Edition, 2001, 40, 3817-3819.	14.2	63
17	Photo- and Vapor-Controlled Luminescence of Rhombic Dicopper(I) Complexes Containing Dimethyl Sulfoxide. Inorganic Chemistry, 2013, 52, 13188-13198.	4.1	63
18	Cation-templated construction of three-dimensional Î±-Po cubic-type [M(dca)3]â€“ networks. Syntheses, structures and magnetic properties of A[M(dca)3] (dcaâ€‰=â€‰dicyanamide; for Aâ€‰=â€‰benzyltributylammonium,) Tj ETQq0 0 0 779-782.	2.6	61

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19	Nonprecious-Metal-Assisted Photochemical Hydrogen Production from ortho-Phenylenediamine. Journal of the American Chemical Society, 2013, 135, 8646-8654.	14.1	53
20	Metalâ^'Organic Thin-Film Transistor (MOTFT) Based on a Bis(o-diiminobenzosemiquinonate) Nickel(II) Complex. Journal of the American Chemical Society, 2005, 127, 10012-10013.	14.1	52
21	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):Â X-ray Crystal Structures and Physical Properties. Inorganic Chemistry, 2001, 40, 146-156.	4.1	50
22	Effect of the Metal-Assisted Assembling Mode on the Redox States of Hexaazatriphenylene Hexacarbonitrile. Angewandte Chemie - International Edition, 2005, 44, 2700-2704.	14.2	50
23	Vapor-Controlled Linkage Isomerization of a Vapochromic Bis(thiocyanato)platinum(II) Complex: New External Stimuli To Control Isomerization Behavior. Inorganic Chemistry, 2012, 51, 7508-7519.	4.1	50
24	Syntheses and crystal structures of three one-dimensional copper(II) complexes constructed by salicylate and 4,4â€²-bipyridine: ladder, zig-zag, and linear polymeric assembly. Inorganica Chimica Acta, 2003, 355, 121-126.	2.5	46
25	Structures and Luminescence Properties of Cyclometalated Dinuclear Platinum(II) Complexes Bridged by Pyridinethiolate Ions. Bulletin of the Chemical Society of Japan, 2011, 84, 218-225.	3.3	46
26	Rational Design of a Ferromagnetic Trinuclear Copper(II) Complex with a Novel in-situ Synthesised Metalloligand. European Journal of Inorganic Chemistry, 2003, 2003, 2385-2388.	2.2	45
27	A redox-active columnar metallomesogen and its cyclic voltammetric responses. Journal of Materials Chemistry, 2007, 17, 4136.	6.7	44
28	A Neutral 3D Copper Coordination Polymer Showing 1D Open Channels and the First Interpenetrating NbO-Type Network. Angewandte Chemie, 2004, 116, 194-197.	2.1	41
29	Vapour-adsorption and chromic behaviours of luminescent coordination polymers composed of a Pt(ii)-diimine metalloligand and alkaline-earth metal ions. Dalton Transactions, 2011, 40, 8012.	3.3	39
30	Vapour and mechanically induced chromic behaviour of platinum complexes with a dimer-of-dimer motif and the effects of heterometal ions. Dalton Transactions, 2013, 42, 5514.	3.3	39
31	Synthesis, X-ray crystal structures and properties of chromium complexes with semiquinonate and catecholate. Dalton Transactions RSC, 1999, , 2467-2476.	2.1	37
32	An Unprecedented Mixed-Charged State in a Supramolecular Assembly of Ligand-Based Mixed-Valence Redox Isomers (ET.+)3[CrIII(Cl4SQ)2(Cl4Cat)]â^'[CrIII(Cl4SQ)(Cl4Cat)2]2â^'. Angewandte Chemie - International Edition, 2002, 41, 130-133.	14.2	37
33	A facile and versatile preparation of bilindiones and biladienones from tetraarylporphyrins. Chemical Communications, 2005, , 1309.	4.1	36
34	Synthesis and Ligand-Based Mixed Valency of cis- and trans-CrIII(X4SQ)(X4Cat)(L)n (X = Cl and Br, n = 1) Tj ETQq0 0 0 rgBT /Overlock 10 Dissociation of CrIII(X4SQ)3. Inorganic Chemistry, 2002, 41, 4444-4452.	4.1	33
35	Ambipolar, Singleâ€Component, Metalâ€“Organic Thinâ€Film Transistors with High and Balanced Hole and Electron Mobilities. Advanced Materials, 2008, 20, 3399-3403.	23.6	33
36	Flexible Coordination Polymers Composed of Luminescent Ruthenium(II) Metalloligands: Importance of the Position of the Coordination Site in Metalloligands. Inorganic Chemistry, 2014, 53, 2910-2921.	4.1	32

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37	Dehydrogenation of anhydrous methanol at room temperature by o-aminophenol-based photocatalysts. Nature Communications, 2016, 7, 12333.	12.8	32
38	Chromic Behaviors of Hexagonal Columnar Liquid Crystalline Platinum Complexes with Catecholato, 2-Thiophenolato, and Benzenedithiolato. Inorganic Chemistry, 2011, 50, 4279-4288.	4.1	31
39	Solvent-Dependent Formation of Di- and Trinuclear Rhodium and Iridium Complexes Bridged byN,Nâ€²-Donor Ligands. Bulletin of the Chemical Society of Japan, 2002, 75, 267-275.	3.3	30
40	Dimensionality Control of Vapochromic Hydrogen-Bonded Proton-Transfer Assemblies Composed of a Bis(hydrazone)iron(II) Complex. Inorganic Chemistry, 2011, 50, 8308-8317.	4.1	29
41	Polymorph-Dependent Molecular Valence Tautomerism Synchronized with Crystal-Melt Phase Transitions. Chemistry of Materials, 2009, 21, 1980-1988.	6.8	27
42	Terpyridine platinum(ii) complexes containing triazine di- or tri-thiolate bridges: structures, luminescence, electrochemistry, and aggregation. Dalton Transactions, 2012, 41, 11497.	3.3	26
43	Effect of the Metal-Assisted Assembling Mode on the Redox States of Hexaazatriphenylene Hexacarbonitrile. Angewandte Chemie, 2005, 117, 2760-2764.	2.1	25
44	Lnâ^'Co-Based Rock-Salt-Type Porous Coordination Polymers: Vapor Response Controlled by Changing the Lanthanide Ion. Inorganic Chemistry, 2011, 50, 2061-2063.	4.1	25
45	Systematic structural control of multichromic platinum(<scp>ii</scp>)-diimine complexes ranging from ionic solid to coordination polymer. Dalton Transactions, 2012, 41, 1878-1888.	3.3	22
46	Metal-Dependent and Redox-Selective Coordination Behaviors of Metalloligand [Mo^V(1,2-benzenedithiolato)₃]^{â^'}with Cu^I/Ag^IIons. Inorganic Chemistry, 2011, 50, 2859-2869.	4.1	20
47	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 Ï€â€“Ï€ stacking. CrystEngComm, 2005, 7, 411.	2.3	19
48	Polytypic phase transition in alkyl chain-functionalized valence tautomeric complexes. Dalton Transactions, 2006, , 1377.	3.3	19
49	Acidâ€“Base Behavior of Substituted Hydrazone Complexes Controlled by the Coordination Geometry. Bulletin of the Chemical Society of Japan, 2010, 83, 905-910.	3.3	19
50	Systematic Syntheses and Metalloligand Doping of Flexible Porous Coordination Polymers Composed of a Co(III)â€“Metalloligand. Inorganic Chemistry, 2015, 54, 2522-2535.	4.1	18
51	Substituent-Directed Structural and Physicochemical Controls of Diruthenium Catecholate Complexes with Ligand-Unsupported Ruâ^'Ru Bonds. Inorganic Chemistry, 2005, 44, 3799-3809.	4.1	17
52	Modulable cooperativity in a valence tautomeric complex functionalized with branched alkyl chains. Chemical Communications, 2010, 46, 3729.	4.1	16
53	Synchronic Transformations of Molecular States and Macroscopic Phases in Valenceâ€Tautomeric Complexes. European Journal of Inorganic Chemistry, 2013, 2013, 642-652.	2.2	15
54	Effects of Countercations on the Structures and Redox and Spectroscopic Properties of Diruthenium Catecholate Complexes with Ligand-Unsupported Ruâ^'Ru Bonds. Inorganic Chemistry, 2005, 44, 3810-3817.	4.1	14

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55	Eine neue Klasse von cyclischen Hexameren: [Co6L6]24â˜ (H6L=Hexaazatriphenylen- hexacarbonsÃure). Angewandte Chemie, 2001, 113, 3933-3935.	2.1	13
56	Bimodal three-membered valence tautomerism of an alkyl chain-functionalized manganese dioxolene complex. Chemical Communications, 2009, , 4085.	4.1	13
57	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. Polyhedron, 2002, 21, 1613-1620.	2.3	12
58	ONâ€“OFF Switching of the Solvatochromic Behavior of a Copper(II)â€“Hydrazone Complex Induced by Protonation/Deprotonation. Chemistry Letters, 2011, 40, 1335-1337.	1.4	12
59	Hysteretic vapour response of a heterodinuclear platinum(ii)â€“copper(ii) complex derived from the dimer-of-dimer motif and the guest-absorbing site. Dalton Transactions, 2014, 43, 7514.	3.3	12
60	Impact of Groupâ€…10 Metals on the Solventâ€Induced Disproportionation of oâ€Semiquinonato Complexes. Chemistry - A European Journal, 2019, 25, 8268-8278.	3.8	12
61	Photoinduced Dimerization Reaction Coupled with Oxygenation of a Platinum(II)â€“Hydrazone Complex. Inorganic Chemistry, 2014, 53, 2573-2581.	4.1	11
62	Integration of Alkyl-Substituted Bipyridyl Benzenedithiolato Platinum(II) Complexes with Cadmium(II) Ion via Selective Dative Bond Formation. Inorganic Chemistry, 2013, 52, 4324-4334.	4.1	10
63	Immobilization of a Redox-active Catecholato Pt(II) Complex on an Indium-doped Tin Oxide Electrode via Phosphonate Anchors. Chemistry Letters, 2014, 43, 1189-1191.	1.4	10
64	New coordination networks constructed from N-(4-pyridyl)isonicotinamide. Crystal Engineering, 1999, 2, 115-122.	0.7	9
65	Formation of a Ligand-based Mixed-valence Cluster Triggered by Dehydration Condensation of Semiquinonates witho-Phenylenediamines. Chemistry Letters, 2005, 34, 402-403.	1.4	9
66	Allosteric binding of amino alcohols and diamines by dimeric zinc biladienone. Tetrahedron Letters, 2009, 50, 536-539.	1.3	9
67	Voltammetric Antioxidant Analysis in Mineral Oil Samples Immobilized into Boronâ€Doped Diamond Micropore Array Electrodes. Electroanalysis, 2009, 21, 1341-1347.	3.0	8
68	Coordination site-dependent cation binding and multi-responsible redox properties of Janus-head metalloligand, [MoV(1,2-mercaptophenolato)3]. Dalton Transactions, 2012, 41, 8303.	3.3	8
69	Structural and Spectroscopic Characterization of a Dirutheniumo-Dioxolene Complex Possessing a Singly Occupied Molecular Orbital Delocalized over the Entire Molecule, [Ru2(3,6-DTBDiox)4]-. Inorganic Chemistry, 2006, 45, 3990-3997.	4.1	7
70	Synthesis, structure and photophysical properties of a flavin-based platinum(ii) complex. Dalton Transactions, 2011, 40, 3484.	3.3	6
71	Self-association and columnar liquid crystalline phase of cationic alkyl-substituted-bipyridine benzenedithiolato gold(iii) complexes. Dalton Transactions, 2013, 42, 15995.	3.3	6
72	Synthesis and Vapor-adsorption Behavior of a Flexible Porous Coordination Polymer Built from a Bis(bipyridyl)â€“Cu(I) Metalloligand. Chemistry Letters, 2014, 43, 1070-1072.	1.4	6

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73	Spontaneous Construction of Nanoneedles Using Ruthenium Complex-conjugated Porphyrins on Substrates. Chemistry Letters, 2014, 43, 1201-1203.	1.4	6
74	Direct Photochemical Câ€“H Carboxylation of Aromatic Diamines with CO2 under Electron-Donor- and Base-free Conditions. Scientific Reports, 2018, 8, 14623.	3.4	6
75	Molecular Insights into the Ligandâ€Based Sixâ€Protonâ€and Sixâ€Electronâ€Transfer Processes Between Trisâ€orthoâ€Phenylenediamines and Trisâ€orthoâ€Benzoquinodiimines. Chemistry - A European Journal, 2020, 26, 9609-9619.	3.8	6
76	Photoexcited charge manipulation in conjugated polymers bearing a Ru(<scp>ii</scp>) complex catalyst for visible-light CO₂ reduction. Journal of Materials Chemistry A, 2022, 10, 19821-19828.	10.3	6
77	Structural, Spectroscopic and Magnetic Properties of Charge-Transfercomplex, (TMTSF)[Cr(Cl4SQ)2(Cl4Cat)]Â· 0.5CH2Cl2. Molecular Crystals and Liquid Crystals, 1999, 335, 183-192.	0.3	5
78	Hydrogen-Bond Network of Dimeric Copper Complex of Vanillic Acid (HVA), [Cu(VA)2(H2O)]2. Molecular Crystals and Liquid Crystals, 2000, 342, 97-102.	0.3	5
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91	Tuning the Electron Acceptability of the [Mo6 S8] Cluster Core by Decorating It with Methyl Groups on the Face-Bridging Âμ3 -Sulfides. European Journal of Inorganic Chemistry, 2018, 2018, 3900-3904.	2.2	2
92	Functional Group-Directed Photochemical Reactions of Aromatic Alcohols, Amines, and Thiols Triggered by Excited-State Hydrogen Detachment: Additive-free Oligomerization, Disulfidation, and C(sp²)â€“H Carboxylation with CO₂. Journal of Organic Chemistry, 2021, 86, 959-969.	3.2	2
93	Structural and Spectroscopic Studies on the Interactions of ortho-Phenylenediamine and Li⁺, Na⁺, Mg²⁺, or Ca²⁺ Ions. Chemistry Letters, 2017, 46, 232-235.	1.4	1
94	Excited-state hydrogen detachment from a tris-(o-phenylenediamine) iron(<scp>ii</scp>) complex in THF at room temperature. Chemical Communications, 2020, 56, 15414-15417.	4.1	1
95	Tunable Synchronicity of Molecular Valence Tautomerism with Macroscopic Solidâ€Liquid Transition by Molecular Lattice Engineering. Chemistry - A European Journal, 2021, 27, 16354-16366.	3.8	1
96	Light-induced electron transfer/phase migration of a redox mediator for photocatalytic Câ€“C coupling in a biphasic solution. Dalton Transactions, 2022, 51, 9467-9476.	3.3	1
97	Synthesis of Microporous Aluminosilicate by Direct Thermal Activation of Phenyl-Substituted Single-Source Aluminosilicate Molecular Precursors. Inorganic Chemistry, 2022, 61, 13481-13496.	4.1	1
98	Titelbild: Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption (Angew. Chem. 25/2004). Angewandte Chemie, 2004, 116, 3267-3267.	2.1	0
99	Third-order nonlinear optical properties of soluble Cr(III)-dioxolene complexes. , 2004, , .		0
100	A Facile and Versatile Preparation of Bilindiones and Biladienones from Tetraarylporphyrins.. ChemInform, 2005, 36, no.	0.1	0
101	Assembled Functional Chemistry of Redox-active Complexes. Bulletin of Japan Society of Coordination Chemistry, 2009, 53, 24-32.	0.3	0
102	Switching of the redox centers of a tris-2-mercaptophenolato chromium(<scp>iii</scp>) metalloligand by a guest metal ion. Dalton Transactions, 2023, 52, 1538-1542.	3.3	0