

Ho-Chol Chang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

4,597
citations

32
h-index

67
g-index

111
ext. papers

4,743
ext. citations

5.9
avg, IF

4.97
L-index

#	Paper	IF	Citations
101	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
100	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	
99	Molecular Insights into the Ligand-Based Six-Proton- and Six-Electron-Transfer Processes Between Tris-ortho-Phenylenediamines and Tris-ortho-Benzoquinodiiimines. <i>Chemistry - A European Journal</i> , 2020 , 26, 9609-9619	4.8	1
98	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
97	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
96	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
95	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
94	Tuning the Electron Acceptability of the [Mo6S8] 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
93	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
92	Tuning the Electron Acceptability of the [Mo6S8] 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	
91	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
90	Coordination Behavior of N,N'-Bis(diisopropylphosphinoacetyl)-o-phenylenediamide with NiII and CuI Ions. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 3498-3507	2.3	2
89	A Coordination Network with Ligand-Centered Redox Activity Based on facial-[Cr(2-mercaptophenolato)] Metalloligands. <i>Chemistry - A European Journal</i> , 2017 , 23, 9919-9925	4.8	2
88	Dehydrogenation of anhydrous methanol at room temperature by o-aminophenol-based photocatalysts. <i>Nature Communications</i> , 2016 , 7, 12333	17.4	25
87	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
86	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
85	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

84	Syntheses and Structures of Molybdenum-Oxo Complexes Prepared by the Reactions of [MoII ₂ (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
83	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
82	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
81	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
80	Photoinduced dimerization reaction coupled with oxygenation of a platinum(II)-hydrazone complex. <i>Inorganic Chemistry</i> , 2014 , 53, 2573-81	5.1	7
79	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
78	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
77	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
76	Spontaneous Construction of Nanoneedles Using Ruthenium Complex-conjugated Porphyrins on Substrates. <i>Chemistry Letters</i> , 2014 , 43, 1201-1203	1.7	6
75	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
74	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
73	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
72	Nonprecious-metal-assisted photochemical hydrogen production from ortho-phenylenediamine. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8646-54	16.4	43
71	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
70	Photo- and vapor-controlled luminescence of rhombic dicopper(I) complexes containing dimethyl sulfoxide. <i>Inorganic Chemistry</i> , 2013 , 52, 13188-98	5.1	51
69	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
68	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
67	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

66	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
65	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
64	Dimensionality control of vapochromic hydrogen-bonded proton-transfer assemblies composed of a bis(hydrazone)iron(II) complex. <i>Inorganic Chemistry</i> , 2011 , 50, 8308-17	5.1	28
63	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
62	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
61	Synthesis, structure and photophysical properties of a flavin-based platinum(II) complex. <i>Dalton Transactions</i> , 2011 , 40, 3484-9	4.3	6
60	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
59	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
58	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
57	Modulable cooperativity in a valence tautomeric complex functionalized with branched alkyl chains. <i>Chemical Communications</i> , 2010 , 46, 3729-31	5.8	16
56	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
55	Voltammetric Antioxidant Analysis in Mineral Oil Samples Immobilized into Boron-Doped Diamond Micropore Array Electrodes. <i>Electroanalysis</i> , 2009 , 21, 1341-1347	3	7
54	Allosteric binding of amino alcohols and diamines by dimeric zinc biladienone. <i>Tetrahedron Letters</i> , 2009 , 50, 536-539	2	6
53	Polymorph-Dependent Molecular Valence Tautomerism Synchronized with Crystal-Melt Phase Transitions. <i>Chemistry of Materials</i> , 2009 , 21, 1980-1988	9.6	27
52	Bimodal three-membered valence tautomerism of an alkyl chain-functionalized manganese dioxolene complex. <i>Chemical Communications</i> , 2009 , 4085-7	5.8	12
51	Assembled Functional Chemistry of Redox-active Complexes. <i>Bulletin of Japan Society of Coordination Chemistry</i> , 2009 , 53, 24-32	0.3	
50	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
49	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

48	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
47	A redox-active columnar metallomesogen and its cyclic voltammetric responses. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4136		41
46	Polytypic phase transition in alkyl chain-functionalized valence tautomeric complexes. <i>Dalton Transactions</i> , 2006 , 1377-82	4.3	19
45	Structural and spectroscopic characterization of a diruthenium o-dioxolene complex possessing a singly occupied molecular orbital delocalized over the entire molecule, [Ru ₂ (3,6-DTBDOx) ₄]. <i>Inorganic Chemistry</i> , 2006 , 45, 3990-7	5.1	7
44	A facile and versatile preparation of bilindiones and biladienones from tetraarylporphyrins. <i>Chemical Communications</i> , 2005 , 1309-11	5.8	27
43	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
42	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
41	Substituent-directed structural and physicochemical controls of diruthenium catecholate complexes with ligand-unsupported Ru-Ru bonds. <i>Inorganic Chemistry</i> , 2005 , 44, 3799-809	5.1	17
40	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
39	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
38	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
37	Formation of a Ligand-based Mixed-valence Cluster Triggered by Dehydration Condensation of Semiquinonates with o-Phenylenediamines. <i>Chemistry Letters</i> , 2005 , 34, 402-403	1.7	9
36	Porous lanthanide-organic framework with zeolite-like topology. <i>Chemical Communications</i> , 2005 , 2436-8.8	5.8	177
35	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
34	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
33	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
32	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
31	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

30	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	
29	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
28	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
27	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	
26	Metal-complex assemblies constructed from the flexible hinge-like ligand H2bhnq: structural versatility and dynamic behavior in the solid state. <i>Chemistry - A European Journal</i> , 2004 , 10, 2647-60	4.8	86
25	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
24	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
23	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
22	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
21	Cation-templated construction of three-dimensional Po cubic-type $[\text{M}(\text{dca})_3]$ networks. Syntheses, structures and magnetic properties of $\text{A}[\text{M}(\text{dca})_3]$ (dca = dicyanamide; for A = benzyltributylammonium, M = Mn ²⁺ , Co ²⁺ ; for A = benzyltriethylammonium, M = Mn ²⁺ , Fe ²⁺). <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 417, 773-780	3.6	56
20	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 ²⁻ . <i>Angewandte Chemie</i> , 2002 , 114, 138-141	3.6	3
19	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
18	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 ²⁻ . <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 130-3	16.4	35
17	Syntheses and crystal structures of mononuclear rhodium hydrido complexes from the reactions of [Rh(H) ₂ (PPh ₃) ₂ (EtOH) ₂][ClO ₄] with various nitrogen ligands. <i>Polyhedron</i> , 2002 , 21, 1613-1620	2.7	12
16	Formation of a one-dimensional array of oxygen in a microporous metal-organic solid. <i>Science</i> , 2002 , 298, 2358-61	33.3	552
15	X-ray Crystal Structures and Two-dimensional π -Stacking Interaction of Cr(III) (X ₄ SQ) ₃ · 4C ₆ H ₆ (X=Cl and Br). <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 376, 275-282	0.5	3
14	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
13	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

12	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
11	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
10	New One-dimensional Chain Compounds of [M (pdz) 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
9	Eine neue Klasse von cyclischen Hexameren: [Co ₆ L ₆] ₂₄ [(H ₆ L=Hexaazatriphenylenhexacarbonsäure). <i>Angewandte Chemie</i> , 2001 , 113, 3933-3935	3.6	7
8	A New Class of Cyclic Hexamer: [Co ₆ L ₆](H ₆ L=hexaazatriphenylene hexacarboxylic acid). <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3817-3819	16.4	54
7	New molecular assemblies of redox isomers, [Cr(III)(X ₄ SQ) _{3-n} (X ₄ Cat) _n]-n (X = Cl and Br; n = 0, 1, and 2), with metallocenium cations, [M(III)Cp ₂] ⁺ (M = Co and Fe): X-ray crystal structures and physical properties. <i>Inorganic Chemistry</i> , 2001 , 40, 146-56	5.1	45
6	Syntheses, structures, and physicochemical properties of diruthenium compounds of tetrachlorocatecholate 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
5	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
4	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
3	New coordination networks constructed from N-(4-pyridyl)isonicotinamide. <i>Crystal Engineering</i> , 1999 , 2, 115-122		9
2	Structural, Spectroscopic and Magnetic Properties of Charge-Transfercomplex, (TMTSF)[Cr(Cl ₄ SQ) ₂ (Cl ₄ Cat)] _{0.5} CH ₂ Cl ₂ . <i>Molecular Crystals and Liquid Crystals</i> , 1999 , 335, 183-192		5
1	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