

Kazuyuki Takahashi

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.

96
papers

3,487
citations

30
h-index

57
g-index

104
ext. papers

3,763
ext. citations

5.5
avg, IF

4.78
L-index

#	Paper	IF	Citations
96	Spin-Crossover-Triggered Linkage Isomerization by the Pedal-like Motion of the Azobenzene Ligand in a Neutral Heteroleptic Iron(III) Complex. <i>Inorganic Chemistry</i> , 2021 , 60, 12735-12739	5.1	2
95	The Impact of the Next-Nearest Neighbor Dispersion Interactions on Spin Crossover Transition Enthalpy Evidenced by Experimental and Computational Analyses of Neutral π -Extended Heteroleptic Fe(III) Complexes. <i>Inorganic Chemistry</i> , 2020 , 59, 12295-12303	5.1	2
94	Ligand mixed-valence and electrical conductivity in coordination complexes containing a redox-active phenalenol-substituted ligand. <i>Dalton Transactions</i> , 2019 , 48, 8053-8056	4.3	5
93	High-Temperature Cooperative Spin Crossover Transitions and Single-Crystal Reflection Spectra of [FeIII(qsal)2](CH3OSO3) and Related Compounds. <i>Crystals</i> , 2019 , 9, 81	2.3	6
92	Dynamics of Water Molecules in a 3-Fold Interpenetrated Hydrogen-Bonded Organic Framework Based on Tetrakis(4-pyridyl)methane. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6599-6606	3.8	2
91	Contribution of Coulomb Interactions to a Two-Step Crystal Structure Phase Transformation Coupled with a Significant Change in Spin Crossover Behavior for a Series of Charged Fe Complexes from 2,6-Bis(2-methylthiazol-4-yl)pyridine. <i>Inorganic Chemistry</i> , 2018 , 57, 1277-1287	5.1	15
90	Paramagnetic ionic plastic crystals containing the octamethylferrocenium cation: counteranion dependence of phase transitions and crystal structures. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 3019-3028	3.6	22
89	Photogeneration of Microporous Amorphous Coordination Polymers from Organometallic Ionic Liquids. <i>Chemistry - A European Journal</i> , 2018 , 24, 9490-9493	4.8	15
88	Paramagnetic organometallic ionic liquids exhibiting thermochromism based on monomer-dimer equilibrium of cationic half-sandwich complexes. <i>Journal of Molecular Liquids</i> , 2018 , 269, 882-885	6	3
87	Single-crystal-to-single-crystal transformation in hydrogen-bond-induced high-spin pseudopolymorphs from protonated cation salts with a π -extended spin crossover Fe(III) complex anion. <i>Polyhedron</i> , 2017 , 136, 170-175	2.7	3
86	Cooperative spin-crossover transition from three-dimensional purely π -stacking interactions in a neutral heteroleptic azobisphenolate Fe complex with a NO coordination sphere. <i>Dalton Transactions</i> , 2017 , 46, 5786-5789	4.3	16
85	Thermochromic Magnetic Ionic Liquids from Cationic Nickel(II) Complexes Exhibiting Intramolecular Coordination Equilibrium. <i>Chemistry - A European Journal</i> , 2017 , 23, 823-831	4.8	20
84	Spin-Singlet Transition in the Magnetic Hybrid Compound from a Spin-Crossover Fe(III) Cation and π -Radical Anion. <i>Inorganics</i> , 2017 , 5, 54	2.9	4
83	Development of Novel Functional Molecular Crystals by Utilizing Dynamic Hydrogen Bonds. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2017 , 75, 1045-1054	0.2	2
82	Above Room Temperature Organic Ferroelectrics: Diprotonated 1,4-Diazabicyclo[2.2.2]octane Shifts between Two 2-Chlorobenzoates. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12005-8	16.4	62
81	Directional Electron Transfer in Crystals of [CrCo] Dinuclear Complexes Achieved by Chirality-Assisted Preparative Method. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14170-14173	16.4	34
80	The Role of Coulomb Interactions for Spin Crossover Behaviors and Crystal Structural Transformation in Novel Anionic Fe(III) Complexes from a π -Extended ONO Ligand. <i>Crystals</i> , 2016 , 6, 49	2.3	12

79	A New Family of Anionic Fe(III) Spin Crossover Complexes Featuring a Weak-Field N ₂ O ₄ Coordination Octahedron. <i>Chemistry - A European Journal</i> , 2016 , 22, 1253-7	4.8	31
78	Coherent interface structures and intergrain Josephson coupling in dense MgO/Mg ₂ Si/MgB ₂ nanocomposites. <i>Journal of Applied Physics</i> , 2016 , 120, 015102	2.5	1
77	Novel Fe(II) spin crossover complexes involving a chalcogen-bond and π -stacking interactions with a paramagnetic and nonmagnetic M(dmit) ₂ anion (M = Ni, Au; dmit = 4,5-dithiolato-1,3-dithiole-2-thione). <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7858-7864	7.1	10
76	Antiferromagnetic Transition in a Novel Star-shaped High-spin Fe(III) Tetranuclear Cluster from a Mononuclear Coordination Anion Featuring π -Extended Schiff Base Ligands. <i>Chemistry Letters</i> , 2015 , 44, 840-842	1.7	6
75	New tris- and pentakis-fused donors containing extended tetrathiafulvalenes: New positive electrode materials for rechargeable batteries. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 1136-47	2.5	16
74	Synthesis of racemic and chiral BEDT-TTF derivatives possessing hydroxy groups and their achiral and chiral charge transfer complexes. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 1561-9	2.5	9
73	Organometallic ionic liquids from half-sandwich Ru(II) complexes with various chelating ligands. <i>Inorganica Chimica Acta</i> , 2015 , 438, 112-117	2.7	5
72	Synergistic spin transition between spin crossover and spin-Peierls-like singlet formation in the halogen-bonded molecular hybrid system: [Fe(lqsal) ₂][Ni(dmit) ₂] \cdot CH ₃ CN \cdot H ₂ O. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1983-6	16.4	63
71	Reversible iodine absorption of nonporous coordination polymer Cu(TCNQ). <i>New Journal of Chemistry</i> , 2014 , 38, 739-743	3.6	18
70	A biferrrocenium salt containing paramagnetic tetracyanoquinodimethane hexamers: charge disproportionation via donor-acceptor interactions. <i>Chemical Communications</i> , 2014 , 50, 13370-2	5.8	3
69	Molecular motor-driven abrupt anisotropic shape change in a single crystal of a Ni complex. <i>Nature Chemistry</i> , 2014 , 6, 1079-83	17.6	85
68	Gapless quantum spin liquid in an organic spin-1/2 triangular-lattice H ₃ (Cat-EDT-TTF) ₂ . <i>Physical Review Letters</i> , 2014 , 112, 177201	7.4	109
67	Synergistic Spin Transition between Spin Crossover and Spin-Peierls-like Singlet Formation in the Halogen-Bonded Molecular Hybrid System: [Fe(lqsal) ₂][Ni(dmit) ₂] \cdot CH ₃ CN \cdot H ₂ O. <i>Angewandte Chemie</i> , 2014 , 126, 2014-2017	3.6	8
66	A spin-crossover ionic liquid from the cationic iron(III) Schiff base complex. <i>Chemical Communications</i> , 2013 , 49, 7662-4	5.8	42
65	A less common spin-crossover process observed in the six-coordinated model heme complexes. <i>Polyhedron</i> , 2013 , 66, 60-64	2.7	3
64	Hydrogen bond-promoted metallic state in a purely organic single-component conductor under pressure. <i>Nature Communications</i> , 2013 , 4, 1344	17.4	118
63	Optical conductivity measurement of a dimer Mott-insulator to charge-order phase transition in a two-dimensional quarter-filled organic salt compound. <i>Physical Review Letters</i> , 2013 , 111, 217801	7.4	11
62	Preparation of Nanoribbons of Blue Potassium Molybdenum Bronze. <i>Chemistry Letters</i> , 2013 , 42, 1514-1516	1.6	1

61	Cooperative spin transition and thermally quenched high-spin state in new polymorph of [Fe(qsal) ₂] ₃ 2013 , 297-301		
60	Synthesis and properties of catechol-fused tetrathiafulvalene derivatives and their hydrogen-bonded conductive charge-transfer salts. <i>Tetrahedron Letters</i> , 2012 , 53, 4385-4388	2	42
59	Vapochromic ionic liquids from metal-chelate complexes exhibiting reversible changes in color, thermal, and magnetic properties. <i>Chemistry - A European Journal</i> , 2012 , 18, 11929-36	4.8	71
58	Development of chiral molecular crystals. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012 , 9, 1146-1148		3
57	Reversible iodine absorption by alkali-TCNQ salts with associated changes in physical properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8361		16
56	Charge-order driven proton arrangement in a hydrogen-bonded charge-transfer complex based on a pyridyl-substituted TTF derivative. <i>Chemical Communications</i> , 2012 , 48, 8673-5	5.8	37
55	Cooperative spin transition and thermally quenched high-spin state in new polymorph of [Fe(qsal) ₂] ₃ . <i>Hyperfine Interactions</i> , 2012 , 206, 1-5	0.8	8
54	Manipulation of the heme electronic structure by external stimuli and ligand field. <i>Hyperfine Interactions</i> , 2012 , 206, 23-33	0.8	
53	Magnetism and Pressure-Induced Superconductivity of Checkerboard-Type Charge-Ordered Molecular Conductor κ (meso-DMBEDT-TTF) ₂ X (X = PF ₆ and AsF ₆). <i>Crystals</i> , 2012 , 2, 1502-1513	2.3	12
52	One-dimensional antiferromagnetic behavior of a chiral molecular crystal, κ -(S,S-DMBEDT-TTF) ₂ PF ₆ . <i>Synthetic Metals</i> , 2011 , 161, 1563-1565	3.6	11
51	Structures and Electrical Properties of (BTM-TS-TTP) ₄ PF ₆ . <i>Bulletin of the Chemical Society of Japan</i> , 2011 , 84, 79-81	5.1	5
50	Structural and Magnetic Studies on Two-Dimensional Square Planar Lattice Magnets Composed of Organic Radical Cation Salts (Benzo[1,2-d:4,5-d']Bis[1,3,2]dithiazolyl-2-zolium) _n X (X = TlBr ₄ , TlI ₄ , and InI ₄). <i>Crystal Growth and Design</i> , 2011 , 11, 575-582	3.5	14
49	Metallic coordination supramolecule, [Cu(I)ClO ₂ Br _{1.3} (pyra-TTF) _{0.5+}]. <i>Journal of Materials Chemistry</i> , 2010 , 20, 10130		5
48	Correlation between the magnetic behaviors and dimensionality of intermolecular interactions in Fe(III) spin crossover compounds. <i>Physica B: Condensed Matter</i> , 2010 , 405, S65-S68	2.8	21
47	Peculiar electric-field-induced metastable state of charge-ordered molecular conductor κ (meso-DMBEDT-TTF) ₂ PF ₆ . <i>Physica B: Condensed Matter</i> , 2010 , 405, S37-S40	2.8	3
46	Dielectric response of novel one-dimensional hydrogen-bonded molecular crystal [4,6-dmpH][Hca]. <i>Physica B: Condensed Matter</i> , 2010 , 405, S341-S343	2.8	3
45	Superconductivity competitive with checkerboard-type charge ordering in the organic conductor κ (meso-DMBEDT-TTF) ₂ PF ₆ . <i>Physical Review B</i> , 2009 , 80,	3.3	14
44	Mechanism of reversible spin transition with a thermal hysteresis loop in [Fe ^{III} (qsal) ₂][Ni(dmise) ₂] · 2CH ₃ CN: Selenium analogue of the precursor of an Fe(III) spin-crossover molecular conducting system. <i>Polyhedron</i> , 2009 , 28, 1776-1781	2.7	34

43	Syntheses, crystal structures, and physical properties of copper complexes with dimethylthio-pyrazino-selenathiafulvalene (=Dmt-Pyra-STF) as ligand: trans-[CuCl ₂ (Dmt-Pyra-STF) ₂] and [Cu ₂ Br _{2.5} (Dmt-Pyra-STF)]. <i>Solid State Sciences</i> , 2008 , 10, 1724-1728	3.4	6
42	Evidence of the chemical uniaxial strain effect on electrical conductivity in the spin-crossover conducting molecular system: [Fe(III)(qnal) ₂][Pd(dmit) ₂] ₅ .acetone. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6688-9	16.4	139
41	Intrinsic carrier doping in antiferromagnetically interacted supramolecular copper complexes with (pyrazino)tetrathiafulvalene (pyra-TTF) as the ligand, [CuIICl ₂ (pyra-TTF)] and (pyra-TTF) ₂ [CuI ₃ Cl ₄ (pyra-TTF)]. <i>Inorganic Chemistry</i> , 2008 , 47, 4140-5	5.1	30
40	Dielectric Response and Electric-Field-Induced Metastable State in an Organic Conductor [meso-DMBEDT-TTF) ₂ PF ₆ . <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 073710	1.5	29
39	Metal-organic frameworks from copper dimers with cis- and trans-1,4-cyclohexanedicarboxylate and cis,cis-1,3,5-cyclohexanetricarboxylate. <i>Inorganic Chemistry</i> , 2007 , 46, 5949-56	5.1	44
38	(nBu ₄ N)[Ni(dmstfdt) ₂]: A Planar Nickel Coordination Complex with an Extended-TTF Ligand Exhibiting Metallic Conduction, Metal/Insulator Transition, and Weak Ferromagnetism. <i>Chemistry of Materials</i> , 2007 , 19, 553-558	9.6	17
37	Ferroelectric porous molecular crystal, [Mn ₃ (HCOO) ₆](C ₂ H ₅ OH), exhibiting ferrimagnetic transition. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15074-5	16.4	224
36	Magnetic transitions of single-component molecular metal [Au(tmtdt) ₂] and its alloy systems. <i>Journal of the American Chemical Society</i> , 2006 , 128, 3872-3	16.4	67
35	Electrical conductivity modulation coupled to a high-spin-low-spin conversion in the molecular system [FeIII(qsal) ₂][Ni(dmit) ₂] ₃ .CH ₃ CN.H ₂ O. <i>Inorganic Chemistry</i> , 2006 , 45, 5739-41	5.1	124
34	Hybrid organic-inorganic conductor with a magnetic chain anion: kappa-BETS ₂ [Fe(III)(C ₂ O ₄)Cl ₂][BETS = bis(ethylenedithio)tetraselenafulvalene]. <i>Inorganic Chemistry</i> , 2006 , 45, 3275-80	5.1	31
33	A Magnetic Organic Conductor Based on a π-Donor with a Stable Radical and a Magnetic Anion: A Step to Magnetic Organic Metals with Two Kinds of Localized Spin Systems. <i>Chemistry Letters</i> , 2006 , 35, 130-131	1.7	10
32	Control of the Optical Properties of Liquid Crystal-Infiltrated Inverse Opal Structures Using Photo Irradiation and/or an Electric Field. <i>Chemistry of Materials</i> , 2005 , 17, 2298-2309	9.6	85
31	The Light-induced Excited Spin State Trapping Effect on Ni(dmit) ₂ Salt with an Fe(III) Spin-crossover Cation: [Fe(qsal) ₂][Ni(dmit) ₂] ₂ .CH ₃ CN. <i>Chemistry Letters</i> , 2005 , 34, 1240-1241	1.7	50
30	Organic Metals Based on an Asymmetric π-Donor PEDT-TSF, (PEDT-TSF) ₂ FeX ₄ (PEDT-TSF = Pyrazinoethylenedithiotetraselenafulvalene; X = Cl, Br). <i>Chemistry Letters</i> , 2005 , 34, 1598-1599	1.7	1
29	Dielectric properties of porous molecular crystals that contain polar molecules. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6508-12	16.4	100
28	Novel Co complex with high transformation temperature of valence tautomerism. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 161, 243-246	4.7	25
27	Mechanism and relaxation kinetics of photo-induced valence tautomerism of [Co(phen)(3,5-DBSQ) ₂][C ₆ H ₅ Cl]. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 167, 69-73	4.7	33
26	Tetrathiapentalene-type donors containing (thio)pyran-4-ylidene as a promising π-electron framework for multi-dimensional molecular conductors. <i>European Physical Journal Special Topics</i> , 2004 , 114, 431-437		

25	Tunable photonic band gap crystals based on a liquid crystal-infiltrated inverse opal structure. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8314-9	16.4	167
24	Cover Picture: Structural Color and the Lotus Effect (Angew. Chem. Int. Ed. 8/2003). <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 839-839	16.4	1
23	Structural color and the lotus effect. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 894-7	16.4	367
22	Fabrication of an Efficient Solid-State Dye-Sensitized Solar Cell. <i>Langmuir</i> , 2003 , 19, 3572-3574	4	306
21	Synthesis and properties of new extended TTP analogs. <i>Synthetic Metals</i> , 2003 , 135-136, 671-672	3.6	2
20	Synthesis and properties of dimeric BDT-TTP derivatives. <i>Synthetic Metals</i> , 2003 , 137, 937-938	3.6	4
19	An abrupt spin transition based on short S...S contacts in a novel Fe(II) complex whose ligand contains a 1,3-dithiole ring. <i>Chemical Communications</i> , 2003 , 2374-5	5.8	33
18	Metastable photoinduced phase of Cu(II) ethylenediamine complexes studied by x-ray-absorption fine-structure spectroscopy. <i>Physical Review B</i> , 2003 , 67,	3.3	14
17	Reversible valence tautomerism induced by a single-shot laser pulse in a cobalt-iron Prussian blue analog. <i>Physical Review Letters</i> , 2003 , 90, 167403	7.4	59
16	Photo-induced valence tautomerism in a Co compound. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002 , 149, 111-114	4.7	30
15	Photo-induced reverse valence tautomerism in a metastable Co compound. <i>Chemical Physics Letters</i> , 2002 , 355, 169-174	2.5	66
14	Preparation and Properties of Metal Complexes with TTP-Dithiolate Ligands. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 379, 71-76	0.5	7
13	Photo-reversible Valence Tautomerism in a Co Compound. <i>Phase Transitions</i> , 2002 , 75, 779-785	1.3	12
12	Preparation and Characterization of Novel Aromatic-inserted Tris-fused Tetrathiafulvalenes. <i>Chemistry Letters</i> , 2002 , 31, 1002-1003	1.7	23
11	Control of the optical band structure of liquid crystal infiltrated inverse opal by a photoinduced nematic-isotropic phase transition. <i>Journal of the American Chemical Society</i> , 2002 , 124, 10950-1	16.4	106
10	Unusually long-lived light-induced metastable state in a thermochromic copper(II) complex. <i>Chemical Communications</i> , 2002 , 1578-9	5.8	20
9	New TTP Donors Containing Chalcogenopyran-4-ylidene: Preparation, Structures, and Electrical Properties. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 376, 107-112	0.5	5
8	A Novel Organic Conductor with Two-Dimensional Molecular Array by the Edge-to-Edge Donor Interaction. <i>Chemistry Letters</i> , 2001 , 30, 162-163	1.7	4

7	Furan-fused TCNQ and DCNQI: synthesis and properties. <i>Journal of Organic Chemistry</i> , 2000 , 65, 2577-9	4.2	19
6	Preparation and redox properties of longitudinally twinned TCNQ: Hexacyanostilbenequinodimethane dianion. <i>Tetrahedron Letters</i> , 1999 , 40, 5349-5352	2	3
5	Thiophene-fused DCNQI Derivatives: Their Copper Iodide Complexes as a New Family of Molecular Conductors. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1997 , 120, 421-422	1	4
4	Design, Synthesis, and Characterization of π -Cross-Conjugated Polycarbenes with High-Spin Ground States. <i>ACS Symposium Series</i> , 1996 , 142-156	0.4	8
3	A novel coordination polymer derived from thiophene-fused DCNQI and CuI: a new family of DCNQI-based conducting copper complexes. <i>Chemical Communications</i> , 1996 , 2275	5.8	14
2	Conducting Polynuclear CuI Complexes with Thiophene-Fused DCNQI Ligands. <i>Molecular Crystals and Liquid Crystals</i> , 1996 , 285, 175-180		
1	Design, Synthesis, and Characterization of Three Kinds of π -Cross-Conjugated Hexacarbenes with High-Spin ($S = 6$) Ground States. <i>Journal of the American Chemical Society</i> , 1995 , 117, 5550-5560	16.4	120