Recent advances in guest effects on spin-crossover beha
metal-organic frameworks

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#	Article	IF	Citations
1	Magnetic solid phase extraction of typical polycyclic aromatic hydrocarbons from environmental water samples with metal organic framework MIL-101 (Cr) modified zero valent iron nano-particles. Journal of Chromatography A, 2017, 1487, 22-29.	1.8	64
2	Co II /Mn II MOFs containing the characteristic double metal chains: Synthesis, structure and magnetic property. Inorganic Chemistry Communication, 2017, 80, 23-26.	1.8	12
3	A ladder-type iron(<scp>ii</scp>) coordination polymer with enhanced spin-crossover behavior. Inorganic Chemistry Frontiers, 2017, 4, 921-926.	3.0	5
4	Reversible crystal-to-crystal transformation from a trinuclear cluster to a 1D chain and the corresponding spin crossover (SCO) behaviour change. Chemical Communications, 2017, 53, 7820-7823.	2.2	35
5	Twoâ€Step Spinâ€Crossover with Three Inequivalent Fe^{II} Sites in a Twoâ€Dimensional Hofmannâ€Type Coordination Polymer. Chemistry - A European Journal, 2017, 23, 10034-10037.	1.7	31
6	Guest Induced Strong Cooperative One- and Two-Step Spin Transitions in Highly Porous Iron(II) Hofmann-Type Metalâ€“Organic Frameworks. Inorganic Chemistry, 2017, 56, 7038-7047.	1.9	55
7	Nanoscale crystalline architectures of Hofmann-type metalâ€“organic frameworks. Coordination Chemistry Reviews, 2017, 346, 123-138.	9.5	80
8	Spin States of Homochiral and Heterochiral Isomers of [Fe(PyBox)₂]²⁺ Derivatives. Chemistry - A European Journal, 2017, 23, 9067-9075.	1.7	30
9	Emerging trends in spin crossover (SCO) based functional materials and devices. Coordination Chemistry Reviews, 2017, 346, 176-205.	9.5	612
10	Guestâ€Switchable Multiâ€Step Spin Transitions in an Amineâ€Functionalized Metalâ€“Organic Framework. Angewandte Chemie, 2017, 129, 15178-15182.	1.6	19
11	Guestâ€Switchable Multiâ€Step Spin Transitions in an Amineâ€Functionalized Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2017, 56, 14982-14986.	7.2	91
12	Guest induced hysteretic tristability in 3D pillared Hofmann-type microporous metalâ€“organic frameworks. New Journal of Chemistry, 2017, 41, 12384-12387.	1.4	13
13	Hysteretic Twoâ€Step Spinâ€Crossover Behavior in Two Twoâ€Dimensional Hofmannâ€Type Coordination Polymers. Chemistry - A European Journal, 2017, 23, 18252-18257.	1.7	29
14	Chiral and Racemic Spin Crossover Polymorphs in a Family of Mononuclear Iron(II) Compounds. Inorganic Chemistry, 2017, 56, 13535-13546.	1.9	35
15	Integrating spin-crossover nanoparticles with silver nanowires: toward magnetic and conductive bifunctional nanomaterials. New Journal of Chemistry, 2017, 41, 10062-10068.	1.4	12
16	Back to back 2,6-bis(pyrazol-1-yl)pyridine and 2,2â€²:6â€²,2â€³-terpyridine ligands: Untapped potential for spin crossover research and beyond. Coordination Chemistry Reviews, 2017, 353, 247-277.	9.5	25
17	Iron(II) Complexes of 2,4-Dipyrazolyl-1,3,5-triazine Derivativesâ€"The Influence of Ligand Geometry on Metal Ion Spin State. Inorganic Chemistry, 2017, 56, 8817-8828.	1.9	37
18	Coordination Polymers Comprised of an Exo Bifunctional Schiff Base Ligand and Succinate Dianion: Critical Analysis of Factors Affecting the Structures and Framework Dimensionality. ChemistrySelect, 2017, 2, 11677-11685.	0.7	4

#	Article	IF	Citations
19	Crystal structure of bis(<i>Î¼</i> ₂-2-chlorobenzoato-Îº³) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 757 Td (<i>O C₅₂H₃₆Cd₂Cl₄N₄O₁₀. Zeitschrift Fur Kristallographie - New Crystal Structures, 2017, 232, 787-789.	0.1	0
20	Breathing 3D Frameworks with T-Shaped Connecting Ligand Exhibiting Solvent Induction, Metal Ions Effect and Luminescent Properties. Crystals, 2017, 7, 311.	1.0	2
21	Water molecule induced reversible single-crystal-to-single-crystal transformation between two trinuclear Fe(<scp>ii</scp>) complexes with different spin crossover behaviour. Dalton Transactions, 2018, 47, 4307-4314.	1.6	33
22	{[Hg(SCN)₃]₂(Î¼-L)}^{2â€“}: An Efficient Secondary Building Unit for the Synthesis of 2D Iron(II) Spin-Crossover Coordination Polymers. Inorganic Chemistry, 2018, 57, 1562-1571.	1.9	22
23	Spin-Crossover Iron(II) Coordination Polymer with Fluorescent Properties: Correlation between Emission Properties and Spin State. Journal of the American Chemical Society, 2018, 140, 700-709.	6.6	169
24	Reversible three equal-step spin crossover in an iron(<scp>ii</scp>) Hofmann-type metalâ€“organic framework. Dalton Transactions, 2018, 47, 1407-1411.	1.6	39
25	Mononuclear ferrous and ferric complexes. Comptes Rendus Chimie, 2018, 21, 1196-1208.	0.2	33
26	External Pressure Effect on a Twofold Interpenetrated 3D <i>PtS</i>-Type Spin-Crossover Coordination Polymer. Crystal Growth and Design, 2018, 18, 1931-1934.	1.4	13
27	Cyanidoâ€Bridged Fe^{II}â€“M^I Dimetallic Hofmannâ€Like Spinâ€Crossover Coordination Polymers Based on 2,6â€Naphthyridine. European Journal of Inorganic Chemistry, 2018, 2018, 289-296.	1.0	24
28	Spin Crossover Nanomaterials: From Fundamental Concepts to Devices. Advanced Materials, 2018, 30, 1703862.	11.1	403
29	Switchable cobalt coordination polymers: Spin crossover and valence tautomerism. Coordination Chemistry Reviews, 2018, 375, 256-266.	9.5	87
30	Spin State Crossover, Vibrational, Computational, and Structural Studies of Fe^{II} 1â€Isopropylâ€1 <i>H</i>â€tetrazole Derivatives. European Journal of Inorganic Chemistry, 2018, 2018, 394-413.	1.0	7
31	Synthesis and Optical Properties of Phenanthrolineâ€Derived Schiff Baseâ€Like Dinuclear Ru^{II}â€“Ni^{II} Complexes. Chemistry - A European Journal, 2018, 24, 5100-5111.	1.7	15
32	Heterometallic Hexanuclear [Ln₄Cr₂] Cluster-Based Three-Dimensional Sulfate Frameworks as a Magnetic Refrigerant and Single Molecular Magnet. Crystal Growth and Design, 2018, 18, 7335-7342.	1.4	19
33	Atomically Thin Two-Dimensional Nanosheets with Tunable Spin-Crossover Properties. Journal of Physical Chemistry Letters, 2018, 9, 7052-7058.	2.1	29
34	Bimetallic Hofmann-Type Metalâ€“Organic Framework Nanoparticles for Efficient Electrocatalysis of Oxygen Evolution Reaction. ACS Applied Energy Materials, 0, , .	2.5	22
35	Novel cadmium(II) frameworks with mixed carboxylate and imidazole-containing ligands for selective detection of antibiotics. Polyhedron, 2018, 154, 350-356.	1.0	37
36	Seven-coordinated iron(ii) spin-crossover molecules: some learning from iron substitution in [FexMn1â^'x(L222N3O2)(CN)2]Â·H2O solid solutions. Dalton Transactions, 2018, 47, 14741-14750.	1.6	10

#	Article	IF	Citations
37	Thermo- and photo-modulation of exciplex fluorescence in a 3D spin crossover Hofmann-type coordination polymer. Chemical Science, 2018, 9, 8446-8452.	3.7	59
38	Synthesis of iron(II) complexes with asymmetric N2O2 coordinating Schiff base-like ligands and their spin crossover properties. Frontiers of Chemical Science and Engineering, 2018, 12, 400-408.	2.3	14
39	Switchable Spin-Crossover Hofmann-Type 3D Coordination Polymers Based on Tri- and Tetratopic Ligands. Inorganic Chemistry, 2018, 57, 12195-12205.	1.9	24
40	Cyclic OFF/Part/ON switching of single-molecule magnet behaviours <i>via</i> multistep single-crystal-to-single-crystal transformation between discrete Fe(<scp>ii</scp>)â€“Dy(<scp>iii</scp>) complexes. Chemical Communications, 2018, 54, 10886-10889.	2.2	37
41	Increasing spin crossover cooperativity in 2D Hofmann-type materials with guest molecule removal. Chemical Science, 2018, 9, 5623-5629.	3.7	84
42	A New Porous Three-Dimensional Iron(II) Coordination Polymer with Solvent-Induced Reversible Spin-Crossover Behavior. Crystal Growth and Design, 2018, 18, 5214-5219.	1.4	22
43	Tuning the Spin States of Two Apical Iron(II) Ions in a Pentanuclear Iron(II) Cluster Helicate through the Choice of Anions. Crystals, 2018, 8, 119.	1.0	4
44	Rhodamine 6G-Labeled Pyridyl Aroylhydrazone Fe(II) Complex Exhibiting Synergetic Spin Crossover and Fluorescence. Journal of the American Chemical Society, 2018, 140, 9426-9433.	6.6	93
45	The influence of NCE^{âˆ’} (E = S, Se, BH₃) ligands on the temperature of spin crossover in a family of iron(<scp>ii</scp>) mononuclear complexes. Inorganic Chemistry Frontiers, 2018, 5, 1671-1676.	3.0	26
46	Covalent Attachment of Metal-Organic Framework Thin Films on Surfaces. , 2018, , 646-671.		7
47	Polynuclear Fe(II) complexes: Di/trinuclear molecules and coordination networks. Comptes Rendus Chimie, 2018, 21, 1209-1229.	0.2	17
48	Three Co(II) metal-organic frameworks based on a substituted thiophene carboxylic acid ligand with semiconductive properties. Journal of Solid State Chemistry, 2018, 267, 68-75.	1.4	5
49	Guest-Responsive Elastic Frustration â€œOnâ€“Offâ€•Switching in Flexible, Two-Dimensional Spin Crossover Frameworks. Inorganic Chemistry, 2018, 57, 11068-11076.	1.9	25
50	Conformation versatility of ligands in coordination polymers: From structural diversity to properties and applications. Coordination Chemistry Reviews, 2018, 375, 558-586.	9.5	93
51	An unusual werner type clathrate of Mn(II) benzoate involving energetically significant weak C Hâ‹¯C contacts: A combined experimental and theoretical study. Journal of Molecular Structure, 2019, 1175, 130-138.	1.8	29
52	Hysteretic four-step spin-crossover in a 3D Hofmann-type metalâ€“organic framework with aromatic guest. Chemical Communications, 2019, 55, 11033-11036.	2.2	47
53	Influence of Hostâ€“Guest and Hostâ€“Host Interactions on the Spin-Crossover 3D Hofmann-type Clathrates {Fe^{II}(<i>pina</i>)[M^I(CN)₂]₂}Â·<i>x</i>MeOH (M^I = Ag, Au). Inorganic Chemistry, 2019, 58, 10038-10046.	1.9	29
54	Investigation of SCO propertyâ€“structural relationships in a family of mononuclear Fe(<scp>ii</scp>) complexes. Inorganic Chemistry Frontiers, 2019, 6, 2194-2199.	3.0	14

#	Article	IF	Citations
55	Spin-crossover modulation <i>via</i> single-crystal to single-crystal photochemical [2 + 2] reaction in Hofmann-type frameworks. Chemical Science, 2019, 10, 7496-7502.	3.7	46
56	Supramolecular Iron Metallocubanes Exhibiting Site-Selective Thermal and Light-Induced Spin-Crossover. Journal of the American Chemical Society, 2019, 141, 18759-18770.	6.6	30
57	Thermally Induced Spin Transition in a 2D Ferrous Nitroprusside. European Journal of Inorganic Chemistry, 2019, 2019, 4966-4973.	1.0	18
58	A heterotrimetallic synthetic approach in versatile functionalization of nanosized {MxCu13â€"xW7}3+ and {M1Cu8W6} (M = Co, Ni, Mn, Fe) metalâ€"cyanide magnetic clusters. Inorganic Chemistry Frontiers, 2019, 6, 3104-3118.	3.0	8
59	Metalâ€"organic-framework-derived porous 3D heterogeneous NiFe_x/NiFe₂O₄@NC nanoflowers as highly stable and efficient electrocatalysts for the oxygen-evolution reaction. Journal of Materials Chemistry A, 2019, 7, 21338-21348.	5.2	71
60	Tuning the net topology of a ternary Ag(i)-1,2,4,5-tetra(4-pyridyl)benzene-carboxylate framework: structures and photoluminescence. CrystEngComm, 2019, 21, 6446-6451.	1.3	9
61	Hofmann-like metalâ€"organic-framework-derived Pt_xFe/C/N-GC composites as efficient electrocatalysts for methanol oxidation. RSC Advances, 2019, 9, 26450-26455.	1.7	6
62	Magnetic cage-like metallasilsesquioxanes. Coordination Chemistry Reviews, 2019, 398, 213015.	9.5	28
63	Werner type clathrates involving guest benzoic acid and benzoate in discrete Mn(II) hosts: Experimental and theoretical studies. Polyhedron, 2019, 159, 387-399.	1.0	28
64	A spin crossover porous hybrid architecture for potential sensing applications. Chemical Communications, 2019, 55, 194-197.	2.2	40
65	Qualitative Guest Sensing via Iron(II) Triazole Complexes. Inorganic Chemistry, 2019, 58, 8188-8197.	1.9	9
66	Structural Insights into the Two-Step Spin-Crossover Compound Fe(3,4-dimethyl-pyridine)2[Ag(CN)2]2. Crystals, 2019, 9, 316.	1.0	3
67	Spin crossover and photomagnetic behaviors in one-dimensional looped coordination polymers. Dalton Transactions, 2019, 48, 9243-9249.	1.6	15
68	Simultaneous Improvement of Mechanical and Fire-Safety Properties of Polymer Composites with Phosphonate-Loaded MOF Additives. ACS Applied Materials & Interfaces, 2019, 11, 20325-20332.	4.0	71
69	A BrÃ¸nstedâ€Ligandâ€Based Iron Complex as a Molecular Switch with Five Accessible States. Angewandte Chemie, 2019, 131, 5714-5718.	1.6	14
70	The Electronic Determinants of Spin Crossover Described by Density Functional Theory. Challenges and Advances in Computational Chemistry and Physics, 2019, , 1-33.	0.6	2
71	Solvent-induced high-spin transition in double-decker <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:mrow><mml:m metallacrowns. Physical Review B, 2019, 99, .	1.1	7
72	An unprecedented hetero-bimetallic three-dimensional spin crossover coordination polymer based on the tetrahedral [Hg(SeCN)4]2â^' building block. Chemical Communications, 2019, 55, 4607-4610.	2.2	17

#	Article	IF	Citations
73	Hofmann Metalâ€“Organic Framework Monolayer Nanosheets as an Axial Coordination Platform for Biosensing. ACS Applied Materials & Interfaces, 2019, 11, 12986-12992.	4.0	32
74	Spin crossover and structural phase transition in homochiral and heterochiral Fe[(pybox)2]2+ complexes. Dalton Transactions, 2019, 48, 6323-6327.	1.6	15
75	Metalâ€“organic layer derived metal hydroxide nanosheets for highly efficient oxygen evolution. Chemical Communications, 2019, 55, 5467-5470.	2.2	33
76	The literature of heterocyclic chemistry, part XVII, 2017. Advances in Heterocyclic Chemistry, 2019, 129, 337-418.	0.9	5
77	Electrical Voltage Control of the Pressure-Induced Spin Transition at Room Temperature in the Microporous 3D Polymer [Fe(pz)Pt(CN)₄]. Journal of Physical Chemistry C, 2019, 123, 5642-5646.	1.5	16
78	Room temperature hysteretic spin crossover in a new cyanoheterometallic framework. Chemical Communications, 2019, 55, 3359-3362.	2.2	28
79	A BrÃ¸nstedâ€Ligandâ€Based Iron Complex as a Molecular Switch with Five Accessible States. Angewandte Chemie - International Edition, 2019, 58, 5658-5662.	7.2	46
80	Enantioselective separation under humid conditions by chiral Hofmann clathrates: new opportunities for vintage materials. Inorganic Chemistry Frontiers, 2019, 6, 3245-3254.	3.0	7
81	Azide and carboxylate as simultaneous coupler for magnetic coordination polymers. Coordination Chemistry Reviews, 2019, 382, 1-31.	9.5	113
82	Kinetic Trapping Effects in Amphiphilic Iron(II) Spin Crossover Compounds. Inorganic Chemistry, 2019, 58, 1278-1289.	1.9	32
83	A Multi-Stimuli-Responsive Fe(II) SCO Complex Based on an Acylhydrazone Ligand. Inorganic Chemistry, 2019, 58, 999-1002.	1.9	27
84	Benzotriazol-based structure assemble directed by transition metals. Structural Chemistry, 2019, 30, 227-235.	1.0	1
85	Goal-directed design of metalâ€“organic frameworks for liquid-phase adsorption and separation. Coordination Chemistry Reviews, 2019, 378, 310-332.	9.5	82
86	Recent advances about metalâ€“organic frameworks in the removal of pollutants from wastewater. Coordination Chemistry Reviews, 2019, 378, 17-31.	9.5	479
87	Switching in Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2020, 59, 4652-4669.	7.2	211
88	Schalten in Metallâ€organischen GerÃ¼sten. Angewandte Chemie, 2020, 132, 4680-4699.	1.6	22
89	Confined Crystallization of Spinâ€Crossover Nanoparticles in Blockâ€Copolymer Micelles. Angewandte Chemie - International Edition, 2020, 59, 5765-5770.	7.2	24
90	The substituent guest effect on four-step spin-crossover behavior. Inorganic Chemistry Frontiers, 2020, 7, 911-917.	3.0	30

#	Article	IF	Citations
91	Extrinsic<i>vs.</i>intrinsic luminescence and their interplay with spin crossover in 3D Hofmann-type coordination polymers. Journal of Materials Chemistry C, 2020, 8, 1623-1633.	2.7	33
92	Dehydration-actuated single-chain magnet through charge transfer in a cyanide-bridged Fe2Co chain. Inorganic Chemistry Communication, 2020, 112, 107715.	1.8	9
93	A homochiral 3D framework of mechanically interlocked 1D loops with solvent-dependent spin-state switching behaviors. Chemical Communications, 2020, 56, 133-136.	2.2	12
94	Switchable onâ€"off spin-crossover properties of iron(<scp>ii</scp>) compounds by trimming intermolecular hydrogen bonds. Dalton Transactions, 2020, 49, 998-1001.	1.6	14
95	Singleâ€Crystal Xâ€Ray Diffraction Study of Pressure and Temperatureâ€Induced Spin Trapping in a Bistable Iron(II) Hofmann Framework. Angewandte Chemie, 2020, 132, 3130-3135.	1.6	1
96	Singleâ€Crystal Xâ€Ray Diffraction Study of Pressure and Temperatureâ€Induced Spin Trapping in a Bistable Iron(II) Hofmann Framework. Angewandte Chemie - International Edition, 2020, 59, 3106-3111.	7.2	12
97	Confined Crystallization of Spinâ€Crossover Nanoparticles in Blockâ€Copolymer Micelles. Angewandte Chemie, 2020, 132, 5814-5819.	1.6	3
98	Guest Modulated Spin States of Metal Complex Assemblies. European Journal of Inorganic Chemistry, 2020, 2020, 3709-3719.	1.0	13
99	Guest Removal and External Pressure Variation Induce Spin Crossover in Halogen-Functionalized 2-D Hofmann Frameworks. Inorganic Chemistry, 2020, 59, 14296-14305.	1.9	19
100	Bimetallic metalâ€"organic framework-derived carbon nanocubes as efficient electrocatalysts for oxygen evolution reaction. Journal of Solid State Chemistry, 2020, 291, 121679.	1.4	8
101	Direct Synthesis of ZIFâ€8 on Transmission Electron Microscopy Grids Allows Structure Analysis and 3D Reconstruction. Particle and Particle Systems Characterization, 2020, 37, 2000209.	1.2	2
102	Structureâ€"property relationships and the mechanisms of multistep transitions in spin crossover materials and frameworks. Inorganic Chemistry Frontiers, 2020, 7, 4424-4437.	3.0	36
103	Water Molecule-Induced Reversible Magnetic Switching in a Bis-Terpyridine Cobalt(II) Complex Exhibiting Coexistence of Spin Crossover and Orbital Transition Behaviors. Inorganic Chemistry, 2020, 59, 16843-16852.	1.9	30
104	Physical stimulus and chemical modulations of bistable molecular magnetic materials. Chemical Communications, 2020, 56, 13702-13718.	2.2	65
105	Cooperative Large-Hysteresis Spin-Crossover Transition in the Iron(II) Triazolate [Fe(ta)₂] Metalâ€"Organic Framework. Inorganic Chemistry, 2020, 59, 10501-10511.	1.9	23
106	Spin crossover in the Prussian blue analogue FePt(CN)₆induced by pressure or X-ray irradiation. Dalton Transactions, 2020, 49, 12940-12944.	1.6	17
107	Reversible Spin-State Switching and Tuning of Nuclearity and Dimensionality via Nonlinear Pseudohalides in Cobalt(II) Complexes. Inorganic Chemistry, 2020, 59, 17638-17649.	1.9	17
108	Spin crossover modulation in a coordination polymer with the redox-active bis-pyridyltetrathiafulvalene (py2TTF) ligand. Chemical Communications, 2020, 56, 10469-10472.	2.2	10

#	Article	IF	Citations
109	Functional metalâ€“organic frameworks as effective sensors of gases and volatile compounds. Chemical Society Reviews, 2020, 49, 6364-6401.	18.7	784
110	Single-molecule magnet behavior in heterolopetic Dy³⁺-chloro-diazabutadiene complexes: influence of the nuclearity and ligand redox state. Dalton Transactions, 2020, 49, 11890-11901.	1.6	17
111	Solid state mononuclear divalent nickel spin crossover complexes. Dalton Transactions, 2020, 49, 17106-17114.	1.6	10
112	Reversible guest-induced gate-opening with multiplex spin crossover responses in two-dimensional Hofmann clathrates. Chemical Science, 2020, 11, 11224-11234.	3.7	36
113	Monitoring the spin crossover phenomenon of [Fe(2â€mpz)₂Ni(CN)₄] 2D Hofmannâ€type polymer nanoparticles via temperatureâ€dependent Raman spectroscopy. Journal of Raman Spectroscopy, 2020, 51, 2171-2181.	1.2	13
114	Solvent-Induced Reversible Spin-Crossover in a 3D Hofmann-Type Coordination Polymer and Unusual Enhancement of the Lattice Cooperativity at the Desolvated State. Inorganic Chemistry, 2020, 59, 13024-13028.	1.9	26
115	Luminescent triphenylamine-based metalâ€“organic frameworks: recent advances in nitroaromatics detection. Dalton Transactions, 2020, 49, 12929-12939.	1.6	18
116	Tuning of Spin Crossover Properties in a Series of Mononuclear Cobalt(II) Complexes Based on Macrocyclic Tetradentate Ligand and Pseudohalide Coligands. Dalton Transactions, 2020, , .	1.6	11
117	Sequential installation of Fe(<scp>ii</scp>) complexes in MOFs: towards the design of solvatochromic porous solids. Journal of Materials Chemistry C, 2020, 8, 16826-16833.	2.7	11
118	Temperature-dependent hysteretic two-step spin crossover in two-dimensional Hofmann-type compounds. Dalton Transactions, 2020, 49, 7245-7251.	1.6	11
119	Influence of CF 3 Substituents on the Spin Crossover Behavior of Iron(II) Coordination Polymers with Schiff Baseâ€like Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 800-807.	0.6	5
120	Construction of SCO-Active Fe(II) Mononuclear Complexes from the Thio-pybox Ligand. Inorganic Chemistry, 2020, 59, 7398-7407.	1.9	14
121	Octacyanidorhenate(V) Ion as an Efficient Linker for Hysteretic Twoâ€Step Iron(II) Spin Crossover Switchable by Temperature, Light, and Pressure. Angewandte Chemie - International Edition, 2020, 59, 15741-15749.	7.2	71
122	Enhanced dielectricity coupled to spin-crossover in a one-dimensional polymer iron(ii) incorporating tetrathiafulvalene. Chemical Science, 2020, 11, 6229-6235.	3.7	32
123	Modular approach towards functional multimetallic coordination clusters. Coordination Chemistry Reviews, 2020, 419, 213394.	9.5	38
124	Manipulating metal spin states for biomimetic, catalytic and molecular materials chemistry. Dalton Transactions, 2020, 49, 15560-15567.	1.6	29
125	Reversible thermo-induced spin crossover in a mononuclear<i>cis</i>-dicyanamido-cobalt(<scp>ii</scp>) complex containing a macrocyclic tetradentate ligand. Dalton Transactions, 2020, 49, 9208-9212.	1.6	19
126	Bivariate Metalâ€“Organic Frameworks with Tunable Spinâ€Crossover Properties. Chemistry - A European Journal, 2020, 26, 12472-12480.	1.7	6

#	Article	IF	Citations
127	Exploring the influence of metal ions/ligands ratio for the structure of polyoxometalate-based host-guest compounds, exhibiting different magnetic phenomena. Journal of Molecular Structure, 2020, 1219, 128566.	1.8	4
128	Iron(II) Spin Crossover Complexes Based on a Redox Active Equatorial Schiff-Base-Like Ligand. Inorganic Chemistry, 2020, 59, 8320-8333.	1.9	21
129	Epitaxial Thin-Film vs Single Crystal Growth of 2D Hofmann-Type Iron(II) Materials: A Comparative Assessment of their Bi-Stable Spin Crossover Properties. ACS Applied Materials & Interfaces, 2020, 12, 29461-29472.	4.0	16
130	Tunable microwave absorption of switchable complexes operating near room temperature. RSC Advances, 2020, 10, 21621-21628.	1.7	6
131	CO₂â€Induced Spinâ€State Switching at Room Temperature in a Monomeric Cobalt(II) Complex with the Porous Nature. Angewandte Chemie - International Edition, 2020, 59, 10658-10665.	7.2	25
132	An electrochemiluminescence aptasensor based on Ru(bpy)32+ encapsulated titanium-MIL-125 metal-organic framework for bisphenol A assay. Mikrochimica Acta, 2020, 187, 227.	2.5	13
133	Spin-crossover in an organicâ€“inorganic hybrid perovskite. Chemical Communications, 2020, 56, 4551-4554.	2.2	18
134	A large dinuclear Fe(<scp>ii</scp>) triple helicate demonstrating a two-step spin crossover. Chemical Communications, 2020, 56, 8838-8841.	2.2	15
135	Electrical conductivity and magnetic bistability in metalâ€“organic frameworks and coordination polymers: charge transport and spin crossover at the nanoscale. Chemical Society Reviews, 2020, 49, 5601-5638.	18.7	122
136	Octacyanidorhenate(V) Ion as an Efficient Linker for Hysteretic Twoâ€Step Iron(II) Spin Crossover Switchable by Temperature, Light, and Pressure. Angewandte Chemie, 2020, 132, 15871-15879.	1.6	8
137	Synthesis, Structure, Magnetic and Photoluminescent Properties of Dysprosium(III) Schiff Base Singleâ€Molecule Magnets: Investigation of the Relaxation of the Magnetization. Chemistry - an Asian Journal, 2020, 15, 2706-2715.	1.7	10
138	Elucidating the Structural Chemistry of a Hysteretic Iron(II) Spinâ€Crossover Compound From its Copper(II) and Zinc(II) Congeners. Chemistry - A European Journal, 2020, 26, 4833-4841.	1.7	8
139	Asymmetric seven-/eight-step spin-crossover in a three-dimensional Hofmann-type metalâ€“organic framework. Inorganic Chemistry Frontiers, 2020, 7, 1685-1690.	3.0	33
140	Spin crossover in mononuclear Fe(II) complexes based on a tetradentate ligand. Journal of Physics Condensed Matter, 2020, 32, 174001.	0.7	1
141	Light- and temperature-assisted spin state annealing: accessing the hidden multistability. Chemical Science, 2020, 11, 3281-3289.	3.7	33
142	Efficient Selective Removal of Pb(II) by Using 6-Aminothiouracil-Modified Zr-Based Organic Frameworks: From Experiments to Mechanisms. ACS Applied Materials & Interfaces, 2020, 12, 7162-7178.	4.0	99
143	Bistable molecular materials with dynamic structures. Chemical Communications, 2020, 56, 2071-2086.	2.2	73
144	CO 2 â€Induced Spinâ€State Switching at Room Temperature in a Monomeric Cobalt(II) Complex with the Porous Nature. Angewandte Chemie, 2020, 132, 10745-10752.	1.6	4

#	Article	IF	Citations
145	Hofmann-Like Frameworks Fe(2-methylpyrazine)_{<i>n</i>}[M(CN)₂]₂ (M = Au, Ag): Spin-Crossover Defined by the Precious Metal. Inorganic Chemistry, 2020, 59, 6541-6549.	1.9	12
146	From a mononuclear FeL2 complex to a Fe4L4 molecular square: Designed assembly and spin-crossover property. Nano Research, 2021, 14, 398-403.	5.8	13
147	Hydrazone based spin crossover complexes: Behind the extra flexibility of the hydrazone moiety to switch the spin state. Coordination Chemistry Reviews, 2021, 431, 213666.	9.5	38
148	A new spin crossover Fe^{II} coordination environment in a two-fold interpenetrated 3-D Hofmann-type framework material. Chemical Communications, 2021, 57, 85-88.	2.2	11
149	Guest induced reversible onâ€"off switching of elastic frustration in a 3D spin crossover coordination polymer with room temperature hysteretic behaviour. Chemical Science, 2021, 12, 1317-1326.	3.7	36
150	Thermally induced spin transition in Fe(pyrazine)[Fe(CN)5NO]. Journal of Physics and Chemistry of Solids, 2021, 150, 109843.	1.9	14
151	Spin crossover crystalline materials engineered <i>via</i> single-crystal-to-single-crystal transformations. CrystEngComm, 2021, 23, 7899-7915.	1.3	14
152	A spin-crossover phenomenon in a 2D heterometallic coordination polymer with [Pd(SCN)₄]^{2â^'}building blocks. Dalton Transactions, 2021, 50, 4152-4158.	1.6	4
153	Spin crossover metalâ€"organic frameworks with inserted photoactive guests: on the quest to control the spin state by photoisomerization. Dalton Transactions, 2021, 50, 8877-8888.	1.6	11
154	Single crystal to single crystal transformation of spin-crossover coordination polymers from 3D frameworks to 2D layers. Journal of Materials Chemistry C, 2021, 9, 5082-5087.	2.7	6
155	Spin crossover in iron(<scp>ii</scp>) Hofmann clathrates analogues with 1,2,3-triazole. Dalton Transactions, 2021, 50, 9250-9258.	1.6	11
156	Auxiliary alkyl chain modulated spin crossover behaviour of [Fe(H₂Bpz₂)₂(C_{<i>n</i>}-bipy)] complexes. Dalton Transactions, 2021, 50, 12835-12842.	1.6	3
157	Slight ligand modifications within multitopic linear hydroxamates promotes connectivity differences in Cu(ii) 1-D coordination polymers. CrystEngComm, 2021, 23, 5531-5539.	1.3	1
158	Dual-supramolecular contacts induce extreme Hofmann framework distortion and multi-stepped spin-crossover. Dalton Transactions, 2021, 50, 1434-1442.	1.6	9
159	Surface morphology-induced spin-crossover-inactive high-spin state in a coordination framework. Chemical Communications, 2021, 57, 1462-1465.	2.2	6
160	Two-Dimensional Metal-Organic Framework Materials: Synthesis, Structures, Properties and Applications. Chemical Reviews, 2021, 121, 3751-3891.	23.0	442
161	Hierarchical Spinâ€Crossover Cooperativity in Hybrid 1D Chains of Fe^{II}â€1,2,4â€Triazole Trimers Linked by [Au(CN)₂]^{â^'} Bridges. Chemistry - A European Journal, 2021, 27, 5136-5141.	1.7	4
162	Thermal- and photo-induced spin crossover in the 1D coordination polymer [Fe(4-<i>t</i>Bupy)3][Au(CN)2]2 (4-<i>t</i>Bupyâ€‰=â€‰4-<i>tert</i>-butylpyridine). Journal of Applied Physics, 2021, 129, .	1.1	3

#	Article	IF	Citations
163	Spin-Crossover 2-D Hofmann Frameworks Incorporating an Amide-Functionalized Ligand: N-(pyridin-4-yl)benzamide. Chemistry, 2021, 3, 360-372.	0.9	3
164	Engineering Nanoscale Metalâ€Organic Frameworks for Heterogeneous Catalysis. Small Structures, 2021, 2, 2000141.	6.9	28
165	Three Distinct Spin-Crossover Pathways in Halogen-Appended 2D Hofmann Frameworks. Inorganic Chemistry, 2021, 60, 3871-3878.	1.9	15
166	Reversible Photo- and Thermo-Induced Spin-State Switching in a Heterometallic {<i>5d-3d</i>} W₂Fe₂ Molecular Square Complex. Inorganic Chemistry, 2021, 60, 7545-7552.	1.9	15
167	Transition metal nitroprussides: Crystal and electronic structure, and related properties. Coordination Chemistry Reviews, 2021, 434, 213764.	9.5	35
168	Reverse Hofmann-Type Spin-Crossover Compound Showing a Multichannel Controllable Color Change in an Ambient Environment. Inorganic Chemistry, 2021, 60, 7337-7344.	1.9	13
169	Bistable Hofmann-Type Fe^{II} Spin-Crossover Two-Dimensional Polymers of 4-Alkyldisulfanylpyridine for Prospective Grafting of Monolayers on Metallic Surfaces. Inorganic Chemistry, 2021, 60, 9040-9049.	1.9	6
170	Spin crossover in FeII cyanometallic frameworks. Inorganica Chimica Acta, 2021, 521, 120303.	1.2	21
171	Downsizing of Nanocrystals While Retaining Bistable Spin Crossover Properties in Three-Dimensional Hofmann-Type {Fe(pz)[Pt(CN)₄]}â€"Iodine Adducts. Inorganic Chemistry, 2021, 60, 8851-8860.	1.9	5
172	Iron/2,6â€Di(pyrazolâ€1â€yl)pyridine Complexes with a Discotic Pattern of Alkyl or Alkynyl Substituents. European Journal of Inorganic Chemistry, 2021, 2021, 2999-3007.	1.0	2
173	Adsorptive removal of different pollutants using metal-organic framework adsorbents. Journal of Molecular Liquids, 2021, 333, 115593.	2.3	85
174	Spin Crossover in a Series of Non-Hofmann-Type Fe(II) Coordination Polymers Based on [Hg(SeCN)₃]^{â^’} or [Hg(SeCN)₄]^{2â€"} Building Blocks. Inorganic Chemistry, 2021, 60, 11048-11057.	1.9	3
175	Four-step spin-crossover in an oxamide-decorated metal-organic framework. Chinese Chemical Letters, 2022, 33, 1381-1384.	4.8	8
176	Enhanced Interplay between Hostâ€"Guest and Spin-Crossover Properties through the Introduction of an N Heteroatom in 2D Hofmann Clathrates. Inorganic Chemistry, 2021, 60, 11866-11877.	1.9	7
177	Neutral Nitrogen Donor Ligandâ€based MOFs for Sensing Applications. Chemistry - an Asian Journal, 2021, 16, 2569-2587.	1.7	9
178	Iron(II) Spin Crossover Coordination Polymers Derived From a Redox Active Equatorial Tetrathiafulvalene Schiff-Base Ligand. Frontiers in Chemistry, 2021, 9, 692939.	1.8	5
179	The Zn2Dy2 single-molecule magnet constructed by salen-type ligand and hydroximic acid. Journal of Molecular Structure, 2021, 1246, 131231.	1.8	1
180	Thermo- and photoinduced spin state switching in an iron(<scp>ii</scp>) 2D coordination network associated with large light-induced thermal hysteresis and tuning of dimensionality<i>via</i>ligand modulation. Dalton Transactions, 2021, 50, 7725-7735.	1.6	12

#	Article	IF	Citations
181	Reversible step spin crossover modulation <i>via</i> water absorption and dehydration in a 3D Hofmann-type framework. Inorganic Chemistry Frontiers, 2021, 8, 4334-4340.	3.0	9
182	Modern Methods in Magnetism and Spin Crossover. , 2021, , 183-197.		0
183	Effect of Guest Molecules on Spin Transition Temperature in Loaded Hofmannâ€Like Clathrates with Improved Porosity. European Journal of Inorganic Chemistry, 2020, 2020, 764-769.	1.0	15
184	New Applications of Spin-Crossover Complexes: Microwave Absorption, Chiroptical Switching and Enantioselective Detection. NATO Science for Peace and Security Series B: Physics and Biophysics, 2020, , 119-143.	0.2	5
185	Two high tunable proton-conducting cobalt(II) complexes derived from imidazole multi-carboxylate-based ligand. Journal of Solid State Chemistry, 2020, 286, 121313.	1.4	5
186	Post-synthetic anion exchange in iron(<scp>ii</scp>) 1,2,4-triazole based spin crossover materials <i>via</i> mechanochemistry. Dalton Transactions, 2020, 49, 2966-2971.	1.6	17
187	High temperature Fe(<scp>iii</scp>) spin crossover behaviours in three unprecedented Fe^{III}â€“M^{II}â€“Fe^{III}(M = Fe, Cd) linear trinuclear complexes. Inorganic Chemistry Frontiers, 2020, 7, 1526-1531.	3.0	7
188	Iron(II) Spin Crossover Polymers of Planar N2O2 Schiff Base Templates and 4,4â€™-bis(pyridyl)urea Bridges. Open Chemistry Journal, 2019, 6, 10-18.	4.3	2
189	A critical review of the T(LIESST) temperature in spin crossover materials â^' What it is and what it is not. , 0, 2, 2.		53
190	Tunable magnetic anisotropy in luminescent cyanido-bridged {Dy₂Pt₃} molecules incorporating heteroligand Pt^{IV}linkers. Dalton Transactions, 2021, 50, 16242-16253.	1.6	5
191	Abundant Solvatomorphism-Tuned Spin Crossover in a Dinuclear Fe(II) Compound: Computational Insights on Molecular Distortion and Packing Effects. Crystal Growth and Design, 2021, 21, 6671-6683.	1.4	5
192	Guestâ€Driven Lightâ€Induced Spin Change in an Azobenzene Loaded Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2021, 60, 27144-27150.	7.2	39
193	Structural diversity in the solid-state architectures of bis(4-pyridyl)acetylene and its derivatives. European Journal of Chemistry, 2020, 11, 6-14.	0.3	0
194	Tuning of crystallization method and ligand conformation to give a mononuclear compound or two-dimensional SCO coordination polymer based on a new semi-rigid V-shaped bis-pyridyl bis-amide ligand. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 412-418.	0.2	1
195	Crystal structure of <i>catena</i>-poly[[[diaqua[1,2-bis(pyridin-4-yl)ethene]{4-[2-(pyridin-4-yl)ethenyl]pyridinium}gold(I)iron(II)]-di-Î¼-cyanido] bis[dicyanidogold(I)] 1,2-bis(pyridin-4-yl)ethene dihydrate]. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 944-947.	0.2	0
196	Synergic Bistability between Spin Transition and Fluorescence in Polyfluorene Composites with Spin Crossover Polymers. Journal of Physical Chemistry Letters, 2021, 12, 10479-10485.	2.1	8
197	Guestâ€Driven Lightâ€Induced Spin Change in an Azobenzene Loaded Metalâ€“Organic Framework. Angewandte Chemie, 2021, 133, 27350-27356.	1.6	5
198	Solvent Effect on the Spin State of an Iron(II)â€Triazole Trimer. European Journal of Inorganic Chemistry, 2021, 2021, 112-116.	1.0	2

#	ARTICLE	IF	CITATIONS
199	Group 10 metal-cyanide scaffolds in complexes and extended frameworks: Properties and applications. Coordination Chemistry Reviews, 2022, 452, 214310.	9.5	13
200	Reversible on-off switching of spin-crossover behavior via photochemical [2+2] cycloaddition reaction. Science China Chemistry, 2022, 65, 120-127.	4.2	15
201	Old Materials for New Functions: Recent Progress on Metal Cyanide Based Porous Materials. Advanced Science, 2022, 9, e2104234.	5.6	24
202	Recent advances in structures and applications of coordination polymers based on cyclohexanepolycarboxylate ligands. Dalton Transactions, 2022, 51, 2992-3003.	1.6	15
203	Guest-Induced Multistep-to-One-Step Reversible Spin Transition with Enhanced Hysteresis in a 2D Hofmann Framework. Inorganic Chemistry, 2022, 61, 4572-4580.	1.9	12
204	Two-Step Spin Crossover in Hofmann-Type Coordination Polymers [Fe(2-phenylpyrazine)₂{M(CN)₂}₂] (M = Ag, Au). Inorganic Chemistry, 2022, 61, 2093-2104.	1.9	13
205	Cation modulated spin state and near room temperature transition within a family of compounds containing the same [FeL₂]^{2âˆ’} center. Dalton Transactions, 2022, 51, 3894-3901.	1.6	2
206	A trinuclear {FeIII2FeII} complex involving both spin and non-spin transitions exhibits three-step and wide thermal hysteresis. Science China Chemistry, 2022, 65, 532-538.	4.2	14
207	Steric Quenching of Mn(III) Thermal Spin Crossover: Dilution of Spin Centers in Immobilized Solutions. Magnetochemistry, 2022, 8, 8.	1.0	6
208	Manipulating Selective Metalâ€toâ€Metal Electron Transfer to Achieve Multiâ€Phase Transitions in an Asymmetric [Fe₂Co]â€Assembled Mixedâ€Valence Chain. Angewandte Chemie - International Edition, 2022, 61, .	7.2	16
209	Manipulating Selective Metalâ€toâ€Metal Electron Transfer to Achieve Multiâ€Phase Transitions in an Asymmetric [Fe 2 Co]â€Assembled Mixedâ€Valence Chain. Angewandte Chemie, 0, , .	1.6	4
210	The first exploration of coordination chemistry using a methyl substituted <i>o</i>-vanillin based ligand: an example starting with Dy₄/Zn₂Dy₂ systems displaying slow relaxation of magnetization. New Journal of Chemistry, 2022, 46, 5627-5637.	1.4	9
211	Schiff base tetranuclear Zn₂Ln₂ single-molecule magnets bridged by hydroxamic acid in association with near-infrared luminescence. Dalton Transactions, 2022, 51, 6918-6926.	1.6	8
212	Co-crystallisation as a modular approach to the discovery of spin-crossover materials. Chemical Science, 2022, 13, 3176-3186.	3.7	7
213	Heteroleptic iron(<scp>ii</scp>) complexes of chiral 2,6-bis(oxazolin-2-yl)-pyridine (PyBox) and 2,6-bis(thiazolin-2-yl)pyridine ligands â€" the interplay of two different ligands on the metal ion spin sate. Dalton Transactions, 2022, 51, 4262-4274.	1.6	6
214	Light-induced hidden multistability in a spin crossover metalâ€"organic framework. Inorganic Chemistry Frontiers, 2022, 9, 1770-1776.	3.0	11
215	A Mononuclear Iron(II) Spin-Crossover Molecule Decorated by Photochromic Azobenzene Group. Molecules, 2022, 27, 1571.	1.7	0
216	Halobenzene Clathrates of the Porous Metalâ€"Organic Spin-Crossover Framework [Fe(tvp)₂(NCS)₂]_{<i>n</i>}. Stabilization of a Four-Step Transition. Inorganic Chemistry, 2022, 61, 4484-4493.	1.9	3

#	Article	IF	Citations
217	Inclusion of methylviologen dication in a cadmium tetracyanoplatinate host clathrate showing photochromism and photoluminescence modulation. Chinese Chemical Letters, 2023, 34, 107346.	4.8	3
218	[Au^I(CN)₂]-Armed [Fe^{III}₂Fe^{II}₂] Square Complex Showing Unusual Spin-Crossover Behavior Due to a Symmetry-Breaking Phase Transition. Inorganic Chemistry, 2022, 61, 5855-5860.	1.9	9
219	Hofmann-Type Metalâ€"Organic Framework Nanosheets for Oxygen Evolution. ACS Applied Nano Materials, 2021, 4, 14161-14168.	2.4	7
220	2D/3D spin crossover porous coordination polymers based on isomeric tetrapyridyl benzene ligands. CrystEngComm, 0, , .	1.3	2
221	A series of dynamic single crystals of [M^{II}(en)₃]SO₄ (M = Ni, Mn,) Tj ETQq0 0 0 rgBT /Overlock 1 2022, , .	1.6	1
222	Synchronously tuning the spin-crossover and fluorescence properties of a two-dimensional Fe(<scp>ii</scp>) coordination polymer by solvent guests. Inorganic Chemistry Frontiers, 2022, 9, 3251-3258.	3.0	10
223	New family of Hofmann-like coordination polymers constructed with imidazole ligands and associated with spin crossover and anisotropic thermal expansions. New Journal of Chemistry, 2022, 46, 10540-10544.	1.4	4
224	Probing the SO₂Adsorption Mechanism in Hofmann Clathrates via Inelastic Neutron Scattering and Density Functional Theory Calculations. Journal of Physical Chemistry C, 2022, 126, 8090-8099.	1.5	7
225	Ligand Stabilization Strategy Boosted Electrode Kinetics in Cyanide Metal Organic Framework for Electrocatalytic Oxygen Evolution Reaction. ChemNanoMat, 0, , .	1.5	0
226	Impact of N-donor auxiliary ligands on two new Co(<scp>ii</scp>)-based MOFs with N-heterocyclic ligands and a magnetism study. New Journal of Chemistry, 2022, 46, 11623-11631.	1.4	27
227	An Ag(I) Complex with Excellent Stability, Luminescent and Sensing Properties. SSRN Electronic Journal, 0, , .	0.4	0
228	Co-existence of five- and six-coordinate iron(<scp>ii</scp>) species captured in a geometrically strained spin-crossover Hofmann framework. Dalton Transactions, 2022, 51, 9596-9600.	1.6	1
229	Effect of Ligand Chain Length for Tuning of Molecular Dimensionality and Magnetic Relaxation in Redox Active Cobalt(II) EDOT Complexes (EDOT=3,4â€Ethylenedioxythiophene). Chemistry - an Asian Journal, 2022, 17, .	1.7	2
230	Reversible Switchability of Magnetic Anisotropy and Magnetodielectric Effect Induced by Intermolecular Motion. Angewandte Chemie, 2022, 134, .	1.6	3
231	Reversible Switchability of Magnetic Anisotropy and Magnetodielectric Effect Induced by Intermolecular Motion. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
232	Shedding light on bifunctional luminescent spin crossover materials. Coordination Chemistry Reviews, 2022, 467, 214625.	9.5	21
233	Three angular Zn₂Dy complexes showing the effect of remote coordination at Zn and counter ions on slow magnetic relaxation at Dy centres. New Journal of Chemistry, 2022, 46, 13546-13557.	1.4	6
234	Substituent Dependence on Series of Cationic Gyroidal MOFs in utc-c Topology with High CO₂ Affinity and Ultrahigh Anionic Dye Adsorption Capacity. Inorganic Chemistry, 2022, 61, 9897-9905.	1.9	4

#	Article	IF	Citations
235	Single-Crystal to Single-Crystal Transformation of a Spin-Crossover Hybrid Perovskite via Thermal-Induced Cyanide Linkage Isomerization. Inorganic Chemistry, 2022, 61, 9047-9054.	1.9	5
236	A spin-crossover framework endowed with pore-adjustable behavior by slow structural dynamics. Nature Communications, 2022, 13, .	5.8	14
237	The joint effect of elasticity, interaction energy and entropy on behavior of pressure- and temperature-induced electronic bistability in a family of two-dimensional Hofman-like coordination polymers. Journal of Materials Chemistry C, 2022, 10, 11388-11400.	2.7	4
238	Metal-organic frameworks (MOFs), rare earth MOFs, and rare earth functionalized MOF hybrid materials. , 2022, , 3-40.		0
239	Coexistence of luminescence and spin-crossover in 2D iron(<scp>ii</scp>) Hofmann clathrates modulated through guest encapsulation. Journal of Materials Chemistry C, 2022, 10, 10686-10698.	2.7	11
240	Fluorescence emission modulation in cyanido-bridged Fe(II) spin crossover coordination polymers. Science China Chemistry, 2022, 65, 1569-1576.	4.2	13
241	Spinâ€State Modulation in Fe^{II}â€Based Hofmannâ€Type Coordination Polymers: From Molecules to Materials. Chemical Record, 2022, 22, .	2.9	8
242	Effectiveness of metal-organic framework as sensors: Comprehensive review. , 2022, , 47-64.		2
243	Guest-Induced Multistep to Single-Step Spin-Crossover Switching in a 2-D Hofmann-Like Framework with an Amide-Appended Ligand. Inorganic Chemistry, 2022, 61, 11667-11674.	1.9	2
244	Redox-Programmable Spin-Crossover Behaviors in a Cationic Framework. Journal of the American Chemical Society, 2022, 144, 14888-14896.	6.6	12
245	A series of new Fe(II) coordination polymers based-on [Hg(XCN)3]â^’ or [Hg(XCN)4]2â^’ (X = S, Se) building blocks: Synthesis, crystal structure and magnetic property. Journal of Solid State Chemistry, 2022, 315, 123455.	1.4	3
246	Simultaneous Photoâ€Induced Magnetic and Dielectric Switching in an Iron(II)â€Based Spinâ€Crossover Hofmannâ€Type Metalâ€Organic Framework. Angewandte Chemie - International Edition, 2022, 61, .	7.2	13
247	Simultaneous Photoâ€Induced Magnetic and Dielectric Switching in an Iron(II)â€Based Spinâ€Crossover Hofmannâ€Type Metalâ€OrganicÂFramework. Angewandte Chemie, 0, , .	1.6	0
248	A solid state Ag(I) complex with excellent stability, luminescent and sensing properties. Polyhedron, 2022, 227, 116148.	1.0	0
249	Influence of bridging and chelating co-ligands on the distinct single-molecule magnetic behaviours in ZnDy complexes. New Journal of Chemistry, 2022, 46, 18751-18763.	1.4	3
250	Hidden ordered structure in the archetypical Fe(pyrazine)[Pt(CN)₄] spin-crossover porous coordination compound. CrystEngComm, 2022, 24, 6349-6356.	1.3	6
251	The Investigation of Spin-Crossover Systems by Raman Spectroscopy: A Review. Magnetochemistry, 2022, 8, 108.	1.0	4
252	Host Spinâ€Crossover Thermodynamics Indicate Guest Fit. Angewandte Chemie, 0, , .	1.6	0

#	Article	IF	Citations
253	Host Spinâ€Crossover Thermodynamics Indicate Guest Fit. Angewandte Chemie - International Edition, 2022, 61, .	7.2	9
254	Highly Porous Cyanometallic Spin-Crossover Frameworks Employing Pyridazino[4,5-d]pyridazine Bridge. Inorganics, 2022, 10, 195.	1.2	0
255	Selective and moisture-sensitive degradation of bromocresol green for isostructural MOFs assembled with D-camphorate and bipyridine. Inorganic Chemistry Communication, 2022, 146, 110044.	1.8	0
256	A water-tuned reversible spin transition with the largest hysteresis loop in 3D Hofmann frameworks pillared by flexible ligands. Inorganic Chemistry Frontiers, 2022, 10, 305-315.	3.0	4
257	Spin crossover mediated by hydrogen bonds in iodine-substituted manganese complexes. Journal of Molecular Structure, 2023, 1275, 134513.	1.8	1
258	Spin Crossover Coordination Polymers with Pyridine-Like Modification through Selective Guest Molecules. Crystal Growth and Design, 2022, 22, 7555-7563.	1.4	3
259	Vapochromic effect in switchable molecular-based spin crossover compounds. Chemical Society Reviews, 2023, 52, 705-727.	18.7	20
260	Broad-range spin-crossover modulation in guest-responsive 2D Hofmann-type coordination polymers. Inorganic Chemistry Frontiers, 2023, 10, 600-611.	3.0	4
261	Honeycomb-like Hofmann-type metal-organic framework membranes for C2H2/CO2 and H2/CO2 separation. Journal of Membrane Science, 2023, 669, 121282.	4.1	6
262	Magnetic and Dielectric Switchings Actuated by the Rotation of the Picoline Ligand in an Iron-Based Dinuclear Phase-Transition Complex. Inorganic Chemistry, 0, , .	1.9	1
263	Two-Dimensional Coordination Polymer Showing Spin-Crossover Behavior with a 64 K Wide Hysteresis Loop. Inorganic Chemistry, 2022, 61, 20232-20236.	1.9	1
264	Organosulfonateâ€Modulated Spinâ€Crossover Behavior in Three Halogenâ€Functionalized Cobalt(II) Complexes. European Journal of Inorganic Chemistry, 2023, 26, .	1.0	3
265	Spin-Crossover Behaviors of Iron(II) Complexes Bearing Halogen Ligands in Solid State and Solution. Inorganic Chemistry, 2023, 62, 1354-1361.	1.9	2
266	Room-Temperature Bistability in Spin Crossover-Loaded Metalâ€"Organic Frameworks. Chemistry of Materials, 2023, 35, 719-727.	3.2	2
267	Pressure-Induced Hysteretic and Abrupt Spin Transition in Amine Functionalized Isoquinoline-Based Two-Dimensional Fe^{II} Hofmann Frameworks. Crystal Growth and Design, 2023, 23, 1832-1839.	1.4	2
268	Hybrid nanostructures based on gold nanoparticles and functional coordination polymers: Chemistry, physics and applications in biomedicine, catalysis and magnetism. Coordination Chemistry Reviews, 2023, 480, 215025.	9.5	25
269	Theoretical approach to the one-step versus two-step spin transitions in Hofmann-like FeII SCO metal-organic frameworks. Materials Today Chemistry, 2023, 30, 101489.	1.7	1
270	Magnetic Switchability via Thermal-Induced Structural Phase Transitions in Molecular Solids. Magnetochemistry, 2023, 9, 80.	1.0	0

#	Article	IF	Citations
271	Spin in Organic Cocrystals. Chemistry - A European Journal, 2023, 29, .	1.7	3
272	Cooperative Spin Crossover Near Room Temperature in Fe(II) Complexes Based on Acylhydrazone Ligands. Crystal Growth and Design, 0, , .	1.4	3
273	Three new Mn^{II}â€"[Mo^{III}(CN)₇]^{4â^'} molecular magnets constructed from chiral bidentate chelating ligands. Dalton Transactions, 0, , .	1.6	1
274	Thermal-Driven Guest-Induced Spin Crossover Behavior in 3D Fe(II)-Based Porous Coordination Polymers. Crystal Growth and Design, 0, , .	1.4	0
275	Variation of the Cooperativity in Diluted Hofmann-Based Spin-Crossover Coordination Solids {Fe_{1â€"<i>x</i>}M_{<i>x</i>}(pz)[Pd(CN)₄]}. Crystal Growth and Design, 2023, 23, 3496-3508.	1.4	2
276	Competitive electronic and steric effects in spin-state modulation of a 3D-Hofmann framework and its extension toward nanoscale. Journal of Materials Chemistry C, 0, , .	2.7	1
287	Two-Step Spin Crossover 3D Hofmann-Type Coordination Polymers Including a Functional Group in the Organic Moiety. Crystal Growth and Design, 2023, 23, 3952-3957.	1.4	1
310	Development of new generation magnets based on porous coordination polymers. , 2024, , 317-339.		0