M Carmen MuÃ±oz

List of Publications by Year
in descending order

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200	11,322	25034	37204
papers	citations	57 h-index	96 g-index

230	230	230	5838
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermal, pressure and light switchable spin-crossover materials. Dalton Transactions, 2005, , 2062.	3.3	650
2	Bidirectional Chemoâ€Switching of Spin State in a Microporous Framework. Angewandte Chemie - International Edition, 2009, 48, 4767-4771.	13.8	474
3	Cooperative Spin Crossover Behavior in Cyanide-Bridged Fe(II)â^'M(II) Bimetallic 3D Hofmann-like Networks (M = Ni, Pd, and Pt). Inorganic Chemistry, 2001, 40, 3838-3839.	4.0	463
4	Thermo-, piezo-, photo- and chemo-switchable spin crossover iron(II)-metallocyanate based coordination polymers. Coordination Chemistry Reviews, 2011, 255, 2068-2093.	18.8	404
5	Crystalline-State Reaction with Allosteric Effect in Spin-Crossover, Interpenetrated Networks with Magnetic and Optical Bistability. Angewandte Chemie - International Edition, 2003, 42, 3760-3763.	13.8	354
6	Spin Crossover in 1D, 2D and 3D Polymeric Fe(II) Networks. Topics in Current Chemistry, 2004, , 229-257.	4.0	238
7	Precise Control and Consecutive Modulation of Spin Transition Temperature Using Chemical Migration in Porous Coordination Polymers. Journal of the American Chemical Society, 2011, 133, 8600-8605.	13.7	191
8	Thermal-, Pressure-, and Light-Induced Spin Transition in Novel Cyanide-Bridged FeIIbAgI Bimetallic Compounds with Three-Dimensional Interpenetrating Double Structures {FeIILx[Ag(CN)2]2}â‹…G. Chemistry - A European Journal, 2002, 8, 2446.	3.3	164
9	Oxidative Addition of Halogens on Open Metal Sites in a Microporous Spinâ€Crossover Coordination Polymer. Angewandte Chemie - International Edition, 2009, 48, 8944-8947.	13.8	164
10	Thermal and Light-Induced Spin Crossover Phenomena in New 3D Hofmann-Like Microporous Metalorganic Frameworks Produced As Bulk Materials and Nanopatterned Thin Films. Chemistry of Materials, 2008, 20, 6721-6732.	6.7	152
11	Ferromagnetic Coupling through Spin Polarization in a Dinuclear Copper(II) Metallacyclophane. Angewandte Chemie - International Edition, 2001, 40, 3039-3042.	13.8	150
12	Synergy between Spin Crossover and Metallophilicity in Triple Interpenetrated 3D Nets with the NbO Structure Type. Journal of the American Chemical Society, 2003, 125, 14224-14225.	13.7	149
13	Spin Crossover in Novel Dihydrobis(1-pyrazolyl)borate [H2B(pz)2]-Containing Iron(II) Complexes. Synthesis, X-ray Structure, and Magnetic Properties of [FeL{H2B(pz)2}2] (L = 1,10-Phenanthroline and) Tj ETQq1 1 0.784314 rgBT /Ov		
14	Light- and Thermal-Induced Spin Crossover in {Fe(abpt)2[N(CN)2]2}. Synthesis, Structure, Magnetic Properties, and High-Spin â†” Low-Spin Relaxation Studies. Inorganic Chemistry, 2001, 40, 3986-3991.	4.0	131
15	Dinuclear iron(ii) spin crossover compounds: singular molecular materials for electronics. Journal of Materials Chemistry, 2006, 16, 2522-2533.	6.7	128
16	Organocatalytic Asymmetric Addition of Naphthols and Electronâ€Rich Phenols to Isatinâ€Derived Ketimines: Highly Enantioselective Construction of Tetrasubstituted Stereocenters. Angewandte Chemie - International Edition, 2015, 54, 6320-6324.	13.8	127
17	Thermal- and Photoinduced Spin-State Switching in an Unprecedented Three-Dimensional Bimetallic Coordination Polymer. Chemistry - A European Journal, 2005, 11, 2047-2060.	3.3	126
18	Crystal structure and magnetic properties of bis(isothiocyanato)bis(pyrazine)iron polymer, a 2D sheetlike polymer. Inorganic Chemistry, 1991, 30, 2701-2704.	4.0	118

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19	A Switchable Molecular Rotator: Neutron Spectroscopy Study on a Polymeric Spin-Crossover Compound. Journal of the American Chemical Society, 2012, 134, 5083-5089.	13.7	118
20	Synthesis and Characterisation of a New Series of Bistable Iron(II) Spinâ€Crossover 2D Metalâ€“Organic Frameworks. Chemistry - A European Journal, 2009, 15, 10960-10971.	3.3	114
21	Metal Dilution Effects on the Spin-Crossover Properties of the Three-Dimensional Coordination Polymer Fe(pyrazine)[Pt(CN)4]. Journal of Physical Chemistry B, 2005, 109, 14859-14867.	2.6	109
22	Enhanced bistability by guest inclusion in Fe(ii) spin crossover porous coordination polymers. Chemical Communications, 2012, 48, 4686.	4.1	107
23	Synergetic Effect of Hostâ€“Guest Chemistry and Spin Crossover in 3D Hofmannâ€like Metalâ€“Organic Frameworks [Fe(bpac)M(CN)₄] (M=Pt, Pd, Ni). Chemistry - A European Journal, 2012, 18, 507-516.	3.3	107
24	Thermal and Optical Switching of Molecular Spin States in the {[FeL[H2B(pz)2]2} Spin-Crossover System (L = bpy, phen)â€. Journal of Physical Chemistry B, 2002, 106, 4276-4283.	2.6	105
25	Long-Range Magnetic Coupling through Extended Ï€-Conjugated Aromatic Bridges in Dinuclear Copper(II) Metallacyclophanes. Journal of the American Chemical Society, 2003, 125, 10770-10771.	13.7	103
26	Spin-Crossover Behavior in Cyanide-bridged Iron(II)â^'Gold(I) Bimetallic 2D Hofmann-like Metalâ^'Organic Frameworks. Inorganic Chemistry, 2008, 47, 2552-2561.	4.0	103
27	Spin Crossover Bistability in Three Mutually Perpendicular Interpenetrated (4,4) Nets. Inorganic Chemistry, 2000, 39, 5390-5393.	4.0	101
28	Supramolecular isomerism in spin crossover networks with aurophilic interactions. Chemical Communications, 2004, , 2268-2269.	4.1	100
29	Polymorphism and Pressure Driven Thermal Spin Crossover Phenomenon in [Fe(abpt) 2 (NCX) 2] (X = S,) Tj ETQq1 1 0.784314 rgBT /O	1.8	96
30	Solid- and Solution-State Studies of the Novel Î¼-Dicyanamide-Bridged Dinuclear Spin-Crossover System		

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37	Spin-Crossover Behavior in Cyanide-Bridged Iron(II)â^'Silver(I) Bimetallic 2D Hofmann-like Metalâ^'Organic Frameworks. Inorganic Chemistry, 2007, 46, 8182-8192.	4.0	83
38	Influence of the Counterion and the Solvent Molecules in the Spin Crossover System [Co(4-terpyridone)2]XpÂ·nH2O. Inorganic Chemistry, 2006, 45, 4413-4422.	4.0	82
39	Bipyrimidine-Bridged Dinuclear Iron(II) Spin Crossover Compounds. Topics in Current Chemistry, 2004, , 167-193.	4.0	81
40	Cooperative Spin Transition in the Two-Dimensional Coordination Polymer [Fe(4,4â€²-bipyridine)₂(NCX)₂]Â·4CHCl₃ (X = S, Se). Inorganic Chemistry, 2011, 50, 10633-10642.	4.0	79
41	Symmetry Breaking in Iron(II) Spin-Crossover Molecular Crystals. Magnetochemistry, 2016, 2, 16.	2.4	78
42	Sequestering Aromatic Molecules with a Spinâ€Crossover Fe^{II} Microporous Coordination Polymer. Chemistry - A European Journal, 2012, 18, 8013-8018.	3.3	74
43	Unprecedented Multiâ€Stable Spin Crossover Molecular Material with Two Thermal Memory Channels. Chemistry - A European Journal, 2013, 19, 6591-6596.	3.3	74
44	Reversible Chemisorption of Sulfur Dioxide in a Spin Crossover Porous Coordination Polymer. Inorganic Chemistry, 2013, 52, 12777-12783.	4.0	72
45	Spin Crossover Behavior in the Iron(II)â^'2-pyridyl[1,2,3]triazolo[1,5-a]pyridine System:â€‰ X-ray Structure, Calorimetric, Magnetic, and Photomagnetic Studies. Inorganic Chemistry, 2003, 42, 4782-4788.	4.0	70
46	Organocatalytic Enantioselective Friedelâ€“Crafts Aminoalkylation of Indoles in the Carbocyclic Ring. ACS Catalysis, 2016, 6, 2689-2693.	11.2	70
47	Synthesis of Functionalized Indoles with a Trifluoromethylâ€Substituted Stereogenic Tertiary Carbon Atom Through an Enantioselective Friedelâ€“Crafts Alkylation with Î²â€Trifluoromethylâ€‐Î²â€enones. Chemistry - A European Journal, 2010, 16, 9117-9122.	3.3	68
48	spin-Crossover Behavior in the Fe(tap)2(NCS)2.cntdot.nCH3CN System (tap =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (1,4,5,8-Te Inorganic Chemistry, 1994, 33, 3587-3594.	4.0	65
49	Structure and Magnetism of Dinuclear Copper(II) Metallacyclophanes with Oligoacenebis(oxamate) Bridging Ligands:A Theoretical Predictions on Wirelike Magnetic Coupling. Journal of the American Chemical Society, 2008, 130, 576-585.	13.7	64
50	Polynuclear Spin Crossover Complexes: Synthesis, Structure, and Magnetic Behavior of Inorganic Chemistry, 2009, 48, 3710-3719.	4.0	64
51	Bipyrimidine-Bridged Dinuclear Iron(II) Spin Crossover Compounds. ChemInform, 2005, 36, no.	0.0	63
52	Synthesis, structure, spectroscopy and redox chemistry of square-planar nickel(ii) complexes with tetradentate o-phenylenedioxamidates and related ligands. Dalton Transactions, 2005, , 2516.	3.3	62
53	Cooperative thermal and optical switching of spin states in a new two-dimensional coordination polymer. Chemical Communications, 2003, , 1248-1249.	4.1	61
54	Thermal- and Pressure-Induced Cooperative Spin Transition in the 2D and 3D Coordination Polymers {Fe(5-Br-pmd)_z[M(CN)_x_y} (M =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T Chemistry, 2007, 46, 9646-9654.	4.0	61

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55	Architectural Isomerism in the Three-Dimensional Polymeric Spin Crossover System {Fe(pmd)2[Ag(CN)2]2}:â€‰ Synthesis, Structure, Magnetic Properties, and Calorimetric Studies. Inorganic Chemistry, 2005, 44, 8749-8755.	4.0	59
56	Thermo- and photo-modulation of exciplex fluorescence in a 3D spin crossover Hofmann-type coordination polymer. Chemical Science, 2018, 9, 8446-8452.	7.4	59
57	Variation of the exchange interaction in oximato-bridged CuIIMII dimers (Mî—»Cu, Ni, Mn). Crystal structure of [Cu(pdmg)Cu(bipy)(H2O)2] (ClO4)2Â· H2O. Inorganica Chimica Acta, 1994, 219, 179-186.	2.4	58
58	Oximato complexes. Part 1. Solution study, synthesis, structure, spectroscopic and magnetic properties of polynuclear copper(II) complexes containing dimethylglyoxime. Journal of the Chemical Society Dalton Transactions, 1993, , 1623-1628.	1.1	57
59	Guest Modulation of Spinâ€Crossover Transition Temperature in a Porous Iron(II) Metalâ€“Organic Framework: Experimental and Periodic DFT Studies. Chemistry - A European Journal, 2014, 20, 12864-12873.	3.3	55
60	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.	4.0	55
61	Mass Effect on the Equienergetic High-Spin/Low-Spin States of Spin-Crossover in 4,4â€˜-Bipyridine-Bridged Iron(II) Polymeric Compounds:Â Synthesis, Structure, and Magnetic, MÃ¶ssbauer, and Theoretical Studies. Inorganic Chemistry, 2002, 41, 6997-7005.	4.0	54
62	Coordination polymers undergoing spin crossover and reversible ligand exchange in the solid. Chemical Communications, 2006, , 4321-4323.	4.1	53
63	Pressure Effect and Crystal Structure Reinvestigations on the Spin Crossover System:Â [Fe(bt)2(NCS)2] (bt = 2,2â€˜-Bithiazoline) PolymorphsAandB. Inorganic Chemistry, 2006, 45, 9670-9679.	4.0	52
64	Meltable Spin Transition Molecular Materials with Tunable T_c and Hysteresis Loop Width. Angewandte Chemie - International Edition, 2015, 54, 14777-14781.	13.8	52
65	Organocatalytic Enantioselective Alkylation of Pyrazolâ€3â€one with Isatinâ€Derived Ketimines: Stereocontrolled Construction of Vicinal Tetrasubstituted Stereocenters. Advanced Synthesis and Catalysis, 2016, 358, 1583-1588.	4.3	52
66	Alkane oxidation by a carboxylate-bridged dimanganese(III) complex. Chemical Communications, 2001, , 2102-2103.	4.1	50
67	Strong Cooperative Spin Crossover in 2D and 3D Fe^{II}â€“M^{I,II} Hofmann-Like Coordination Polymers Based on 2-Fluoropyrazine. Inorganic Chemistry, 2016, 55, 10654-10665.	4.0	50
68	Rational design of a new class of heterobimetallic molecule-based magnets: Synthesis, crystal structures, and magnetic properties of oxamato-bridged (Mâ€²=LiI and MnII; M=NiII and CoII) open-frameworks with a three-dimensional honeycomb architecture. Inorganica Chimica Acta, 2008, 361, 3394-3402.	2.4	49
69	Spin-Crossover Behavior in Cyanide-Bridged Iron(II)â^'Copper(I) Bimetallic 1â^'3D Metalâ^'Organic Frameworks. Inorganic Chemistry, 2009, 48, 3371-3381.	4.0	49
70	Highly Enantioselective Nitrone Cycloadditions with 2-Alkenoyl PyridineN-Oxides Catalyzed by Cu(II)â^'BOX Complexes. Organic Letters, 2011, 13, 402-405.	4.6	49
71	Ferromagnetic Coupling between Copper(II) Centers through the Diamagnetic Zinc(II) Ion:Â Crystal Structure and Magnetic Properties of [Cu2Zn(Hdmg)2(dmg)2(H2O)]Â·0.5H2dmgÂ·H2O (H2dmg =) Tj ETQq1 1 0.784314 rgBT /Overlock	4.0	49
72	Two- and one-step cooperative spin transitions in Hofmann-like clathrates with enhanced loading capacity. Chemical Communications, 2014, 50, 1833-1835.	4.1	47

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73	Oximato complexes. Part 2. Dinuclear dimethylglyoximato complexes of copper(II) with a new co-ordination mode of the oximate ligand. Journal of the Chemical Society Dalton Transactions, 1993, , 3035-3039.	1.1	46
74	Polymorphism and â€œreverseâ€•spin transition in the spin crossover system [Co(4-terpyridone)2](CF3SO3)2Â·1H2O. New Journal of Chemistry, 2009, 33, 1262.	2.8	45
75	Hydroxy-Directed Enantioselective Hydroxyalkylation in the Carbocyclic Ring of Indoles. Organic Letters, 2017, 19, 1546-1549.	4.6	45
76	Chemistry and reactivity of dinuclear manganese oxamate complexes: Aerobic catechol oxidation catalyzed by high-valent bis(oxo)-bridged dimanganese(IV) complexes with a homologous series of binucleating 4,5-disubstituted-o-phenylenedioxamate ligands. Journal of Molecular Catalysis A, 2006, 250, 20-26.	4.8	44
77	Discrimination between two memory channels by molecular alloying in a doubly bistable spin crossover material. Chemical Science, 2019, 10, 3807-3816.	7.4	44
78	A Combination of Visible-Light Organophotoredox Catalysis and Asymmetric Organocatalysis for the Enantioselective Mannich Reaction of Dihydroquinoxalinones with Ketones. Organic Letters, 2019, 21, 6011-6015.	4.6	43
79	[Cr(dpa)(ox)2]â€“: a new bis-oxalato building block for the design of heteropolymetallic systems. Crystal structures and magnetic properties of PPh4[Cr(dpa)(ox)2], AsPh4[Cr(dpa)(ox)2], Hdpa[Cr(dpa)(ox)2]Â·4H2O, Rad[Cr(dpa)(ox)2]Â·H2O and Sr[Cr(dpa)(ox)2]2Â·8H2O (dpa = 2,2â€²-dipyridylamine). New Journal of Chemistry, 2001, 25, 1224-1235.	2.8	42
80	Highly Enantioâ€•and Diastereoselective Inverse Electron Demand Heteroâ€Dielsâ€“Alder Reaction using 2â€Alkenoylpyridine Nâ€Oxides as Oxoâ€Heterodienes. Advanced Synthesis and Catalysis, 2009, 351, 107-111.	4.3	42
81	Enantioselective Synthesis of 4â€Substituted Dihydrocoumarins through a Zinc Bis(hydroxyamide)â€Catalyzed Conjugate Addition of Terminal Alkynes. Advanced Synthesis and Catalysis, 2013, 355, 1071-1076.	4.3	42
82	Spin Crossover Star-Shaped Metallomesogens of Iron(II). Inorganic Chemistry, 2014, 53, 8442-8454.	4.0	42
83	A Square-Planar Dinickel(II) Complex with a Noninnocent Dinucleating Oxamate Ligand: Evidence for a Ligand Radical Species. European Journal of Inorganic Chemistry, 1999, 1999, 1067-1071.	2.0	41
84	Pressure Effect Investigations on the Spin Crossover Systems{Fe[H2B(pz)2]2(bipy)} and {Fe[H2B(pz)2]2(phen)}. European Journal of Inorganic Chemistry, 2006, 2006, 3571-3573.	2.0	41
85	A Metallacryptandâ€Based Manganese(II)â€“Cobalt(II) Ferrimagnet with a Threeâ€Dimensional Honeycomb Openâ€Framework Architecture. Angewandte Chemie - International Edition, 2008, 47, 4211-4216.	13.8	41
86	Enantioselective La^{III}â€pyBOXâ€Catalyzed Nitroâ€Michael Addition to (E)â€2â€Azachalcones. European Journal of Organic Chemistry, 2013, 2013, 1696-1705.	2.4	40
87	MÃ¶ssbauer Investigation of the Photoexcited Spin States and Crystal Structure Analysis of the Spin-Crossover Dinuclear Complex [{Fe(bt)(NCS)2}2bpym] (bt=2,2â€²-Bithiazoline, bpym=2,2â€²-Bipyrimidine). Chemistry - A European Journal, 2006, 12, 9289-9298.	3.3	39
88	Competing Phases Involving Spin-State and Ligand Structural Orderings in a Multistable Two-Dimensional Spin Crossover Coordination Polymer. Crystal Growth and Design, 2017, 17, 2736-2745.	3.0	38
89	Organocatalytic enantioselective aza-Friedelâ€“Crafts reaction of 2-naphthols with benzoxathiazine 2,2-dioxides. RSC Advances, 2015, 5, 60101-60105.	3.6	37
90	Reversible guest-induced gate-opening with multiplex spin crossover responses in two-dimensional Hofmann clathrates. Chemical Science, 2020, 11, 11224-11234.	7.4	36

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91	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.	7.4	36
92	Structure and magnetic properties of a linear oximato-bridged tetranuclear copper(II) complex. Inorganica Chimica Acta, 1998, 268, 263-269.	2.4	35
93	Thermalâ€, Pressureâ€•and Lightâ€Induced Spinâ€Crossover Behaviour in the Twoâ€Dimensional Hofmannâ€Like Coordination Polymer [Fe(3â€Clpy)₂Pd(CN)₄]. European Journal of Inorganic Chemistry, 2013, 2013, 813-818.	2.0	35
94	Enantioselective Addition of Nitromethane to 2-Acylpyridine N-Oxides. Expanding the Generation of Quaternary Stereocenters with the Henry Reaction. Organic Letters, 2014, 16, 1204-1207.	4.6	35
95	Chiral and Racemic Spin Crossover Polymorphs in a Family of Mononuclear Iron(II) Compounds. Inorganic Chemistry, 2017, 56, 13535-13546.	4.0	35
96	Enantioselective Synthesis of Tertiary Alcohols through a Zirconium-Catalyzed Friedelâ€“Crafts Alkylation of Pyrroles with Î±-Ketoesters. Journal of Organic Chemistry, 2011, 76, 6286-6294.	3.2	34
97	Homoleptic Iron(II) Complexes with the Ionogenic Ligand 6,6â€²-Bis(1H-tetrazol-5-yl)-2,2â€²-bipyridine: Spin Crossover Behavior in a Singular 2D Spin Crossover Coordination Polymer. Inorganic Chemistry, 2015, 54, 7424-7432.	4.0	34
98	Catalytic enantioselective addition of terminal alkynes to aromatic aldehydes using zinc-hydroxyamide complexes. Organic and Biomolecular Chemistry, 2009, 7, 4301.	2.8	33
99	Thermal and pressure-induced spin crossover in a novel three-dimensional Hoffman-like clathrate complex. New Journal of Chemistry, 2011, 35, 1205.	2.8	33
100	Novel Iron(II) Microporous Spin-Crossover Coordination Polymers with Enhanced Pore Size. Inorganic Chemistry, 2013, 52, 3-5.	4.0	33
101	Organocatalytic Enantioselective Synthesis of Pyrazoles Bearing a Quaternary Stereocenter. Chemistry - an Asian Journal, 2016, 11, 1532-1536.	3.3	33
102	Extrinsicvs.intrinsic luminescence and their interplay with spin crossover in 3D Hofmann-type coordination polymers. Journal of Materials Chemistry C, 2020, 8, 1623-1633.	5.5	33
103	Organocatalytic Enantioselective 1,6â€azaâ€Michael Addition of Isoxazolinâ€5â€ones to pâ€Quinone Methides. European Journal of Organic Chemistry, 2020, 2020, 627-630.	2.4	33
104	Rational Design of Homo and Hetero Hexanuclear Coordination Compounds: Syntheses and Magnetic Properties of [Cu2IIM4II] (M = Cu, Ni) Species and the Crystal Structure of {[Cu(tmen)(H2O)]2[Cu(tmen)]2[Cu2L](H2O)}(ClO4)4ÂÂ·Â2ÂH2O. European Journal of Inorganic Chemistry, 2000, 2000, 951-957.	2.0	31
105	Chemistry and reactivity of mononuclear manganese oxamate complexes: Oxidative carbonâ€“carbon bond cleavage of vic-diols by dioxygen and aldehydes catalyzed by a trans-dipyridine manganese(III) complex with a tetradentate o-phenylenedioxamate ligand. Journal of Molecular Catalysis A, 2006, 243, 214-220.	4.8	31
106	Synthesis and Relative Stability of a Series of Compounds of Type [Fe(II)(bztpen)X]⁺, Where bztpen = Pentadentate Ligand, N₅, and X⁻ = Monodentate Anion. Inorganic Chemistry, 2007, 46, 7285-7293.	4.0	31
107	A wide family of pyridoxal thiosemicarbazone ferric complexes: Syntheses, structures and magnetic properties. Inorganica Chimica Acta, 2009, 362, 56-64.	2.4	31
108	Bis(dimethylviolurato)(phenanthroline)cobalt(II), a low-spin octahedral cobalt(II) complex. Crystal structure of [Co(dmvi)2phen].2CHCl3. Inorganic Chemistry, 1993, 32, 2013-2017.	4.0	30

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109	Synthesis of Functionalized Indoles with an Î±â€Stereogenic Ketone Moiety Through an Enantioselective Friedelâ€“Crafts Alkylation with (E)â€1,4â€Diarylâ€2â€buteneâ€1,4â€diones. Advanced Synthesis and Catalysis, 2009, 351, 2433-2440.	4.3	30
110	Spin-Crossover 2D Metal-Organic Frameworks with a Redox-Active Ligand: [Fe(ttf-adpy)2M(CN)4]Â·nH2O (ttf-adpy = 4-Tetrathiafulvalenylcarboxamidopyridine; MII= Ni, Pd, Pt). European Journal of Inorganic Chemistry, 2009, 2009, 303-310.	2.0	30
111	Catalytic Enantioselective Azaâ€Reformatsky Reaction with Cyclic Imines. Chemistry - A European Journal, 2016, 22, 17590-17594.	3.3	30
112	[Fe(TPT)_{2/3}{M^I(CN)₂}₂]â‹…nSolv (M^I=Ag, Au): New Bimetallic Porous Coordination Polymers with Spinâ€Crossover Properties. Chemistry - A European Journal, 2013, 19, 6851-6861.	3.3	29
113	Clathration of Five-Membered Aromatic Rings in the Bimetallic Spin Crossover Metalâ€“Organic Framework [Fe(TPT)_{2/3}{M^I(CN)₂}₂]Â·G (M^I) Tj ET Q q 1 1 0.284314 rg	3.3	29
114	Organocatalytic Enantioselective Friedelâ€“Crafts Alkylation of 1â€Naphthol Derivatives and Activated Phenols with Ethyl Trifluoropyruvate. Advanced Synthesis and Catalysis, 2015, 357, 3047-3051.	4.3	29
115	Influence of Hostâ€“Guest and Hostâ€“Host Interactions on the Spin-Crossover 3D Hofmann-type Clathrates {Fe^{II}(pina)[M^I(CN)₂]₂}Â·xMeOH (M^I = Ag, Au). Inorganic Chemistry, 2019, 58, 10038-10046.	4.0	29
116	Pertosylated polyaza[n](9,10)anthracenophanes. Tetrahedron, 1997, 53, 2629-2640.	1.9	28
117	Thermochromic Meltable Materials with Reverse Spin Transition Controlled by Chemical Design. Angewandte Chemie - International Edition, 2020, 59, 18632-18638.	13.8	28
118	{Fe(3CNpy)2[Cu(3CNpy)(Î¼-CN)2]2}:â€‰ a One-Dimensional Cyanide-Based Spin-Crossover Coordination Polymer. Inorganic Chemistry, 2006, 45, 4583-4585.	4.0	27
119	Nanoporosity, Inclusion Chemistry, and Spin Crossover in Orthogonally Interlocked Twoâ€Dimensional Metalâ€“Organic Frameworks. Chemistry - A European Journal, 2015, 21, 12112-12120.	3.3	27
120	Structural effects on the magnetic properties of ferric complexes in molecular materials or a lamellar CdPS3host matrix. New Journal of Chemistry, 2004, 28, 535-541.	2.8	26
121	Cooperative Spinâ€Crossover Behaviour in Polymeric 1D Fe^{II} Coordination Compounds: [{Fe(tba)₃}X₂]Â·nH₂O. European Journal of Inorganic Chemistry, 2007, 2007, 4481-4491.	2.0	26
122	Spin Crossover and Paramagnetic Behaviour in Two-Dimensional Iron(II) Coordination Polymers with Stilbazole Pushâ€“Pull Ligands. Australian Journal of Chemistry, 2009, 62, 1155.	0.9	26
123	Azaâ€Henry Reaction of Isatin Ketimines with Methyl 4â€Nitrobutyrate en Route to Spiro[piperidineâ€3,3â€²â€oxindoles]. Advanced Synthesis and Catalysis, 2015, 357, 3857-3862.	4.3	26
124	Enantioselective alkynylation of benzo[e][1,2,3]-oxathiazine 2,2-dioxides catalysed by (R)-VAPOL-Zn complexes: synthesis of chiral propargylic cyclic sulfamidates. Organic and Biomolecular Chemistry, 2015, 13, 7393-7396.	2.8	26
125	Enantioselective Synthesis of 5-Trifluoromethyl-2-oxazolines under Dual Silver/Organocatalysis. Journal of Organic Chemistry, 2019, 84, 314-325.	3.2	26
126	Manganese(IV) oxamato-catalyzed oxidation of secondary alcohols to ketones by dioxygen and pivalaldehyde. Chemical Communications, 1998, , 989-990.	4.1	25

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127	Synthesis, crystal structures, and solid state quadratic nonlinear optical properties of a series of stilbazolium cations combined with gold cyanide counter-ion. Journal of Materials Chemistry, 2011, 21, 15940.	6.7	25
128	Thermal, pressure and light induced spin transition in the two-dimensional coordination polymer {Fe(pmd)2[Cu(CN)2]2}. Dalton Transactions, 2008, , 642-649.	3.3	24
129	Fast Detection of Water and Organic Molecules by a Change of Color in an Iron(II) Microporous Spin-Crossover Coordination Polymer. Inorganic Chemistry, 2012, 51, 13078-13080.	4.0	24
130	Synthesis of Densely Functionalised 5â€Halogenâ€1,3â€oxazinâ€2â€ones by Halogenâ€Mediated Regioselective Cyclisation of Nâ€Cbzâ€Protected Propargylic Amines: A Combined Experimental and Theoretical Study. Chemistry - A European Journal, 2013, 19, 14852-14860.	3.3	24
131	Highly enantioselective copper(<scp>i</scp>)-catalyzed conjugate addition of 1,3-diynes to Î±,Î²-unsaturated trifluoromethyl ketones. Chemical Communications, 2015, 51, 8958-8961.	4.1	24
132	CyanidoâBridged Fe^{II}â“M^I Dimetallic HofmannâLike SpinâCrossover Coordination Polymers Based on 2,6âNaphthyridine. European Journal of Inorganic Chemistry, 2018, 2018, 289-296.	2.0	24
133	Switchable Spin-Crossover Hofmann-Type 3D Coordination Polymers Based on Tri- and Tetratopic Ligands. Inorganic Chemistry, 2018, 57, 12195-12205.	4.0	24
134	Catalytic enantioselective aza-Reformatsky reaction with seven-membered cyclic imines dibenzo[b,f][1,4]oxazepines. Organic Chemistry Frontiers, 2017, 4, 1624-1628.	4.5	23
135	Organocatalytic Enantioselective Synthesis of Î±-Hydroxyketones through a Friedelâ“Crafts Reaction of Naphthols and Activated Phenols with Aryl- and Alkylglyoxal Hydrates. Organic Letters, 2016, 18, 5652-5655.	4.6	22
136	{[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.	4.0	22
137	Enantioselective synthesis of 2-substituted-1,4-diketones from (S)-mandelic acid enolate and Î±,Î²-enones. Tetrahedron, 2006, 62, 9174-9182.	1.9	21
138	Heterobimetallic MOFs Containing Tetrathiocyanometallate Building Blocks: Pressure-Induced Spin Crossover in the Porous {Fe^{II}(pz)[Pd^{II}(SCN)₄]} 3D Coordination Polymer. Inorganic Chemistry, 2012, 51, 11126-11132.	4.0	21
139	Control of the spin state by charge and ligand substitution: two-step spin crossover behaviour in a novel neutral iron(<scp>ii</scp>) complex. Dalton Transactions, 2014, 43, 16387-16394.	3.3	21
140	Enantioselective Synthesis of 2-Amino-1,1-diarylalkanes Bearing a Carbocyclic Ring Substituted Indole through Asymmetric Catalytic Reaction of Hydroxyindoles with Nitroalkenes. Journal of Organic Chemistry, 2018, 83, 6397-6407.	3.2	21
141	Organocatalytic enantioselective functionalization of indoles in the carbocyclic ring with cyclic imines. New Journal of Chemistry, 2019, 43, 130-134.	2.8	21
142	Spin Crossover Behavior in a Series of Iron(III) Alkoxide Complexes. Inorganic Chemistry, 2015, 54, 3413-3421.	4.0	20
143	Two-step spin crossover behaviour in the chiral one-dimensional coordination polymer [Fe(HAT)(NCS)₂]_{âˆž}. RSC Advances, 2015, 5, 69782-69789.	3.6	20
144	Enantioselective synthesis of chiral oxazolines from unactivated ketones and isocyanoacetate esters by synergistic silver/organocatalysis. Chemical Communications, 2018, 54, 2862-2865.	4.1	20

#	Article	IF	Citations
145	[Fe^{III}(bztpen)(OCH₃)](PF₆)₂: Stable Methoxideâ€“Iron(III) Complex Exhibiting Spin Crossover Behavior in the Solid State. European Journal of Inorganic Chemistry, 2010, 2010, 5563-5567.	2.0	19
146	Copper(II)â^'Bis(oxazoline) Catalyzed Asymmetric Dielsâ^'Alder Reaction with Î±â€²-Arylsulfonyl Enones as Dienophiles. Journal of Organic Chemistry, 2008, 73, 6389-6392.	3.2	18
147	Iron(III) oxamato-catalyzed epoxidation of alkenes by dioxygen and pivalaldehyde. Chemical Communications, 1997, , 2283-2284.	4.1	17
148	New Sesquiterpene Lactones and Other Constituents from Centaurea paui. Liebigs Annalen, 1997, 1997, 527-532.	0.8	17
149	Unprecedented pseudo-trigonal-bipyramidal intermediate-spin iron(III) complex: synthesis, crystal structure and magnetic properties of [Fe(4,4â€²-bipy)2(NCS)3]Â·(CH3)2CO. Journal of the Chemical Society Dalton Transactions, 1999, , 1375.	1.1	17
150	Topological control in the hydrogen bond-directed self-assembly of ortho-, meta-, and para-phenylene-substituted dioxamic acid diethyl esters. CrystEngComm, 2010, 12, 2473.	2.6	17
151	Catalytic Enantioselective Conjugate Alkynylation of Î±,Î²â€Unsaturated 1,1,1â€Trifluoromethyl Ketones with Terminal Alkynes. Chemistry - A European Journal, 2016, 22, 10057-10064.	3.3	17
152	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.	4.1	17
153	An Na8 Cluster in the Structure of a Novel Oxamato-Bridged NaICuII Three-Dimensional Coordination Polymer. European Journal of Inorganic Chemistry, 1999, 1999, 209-212.	2.0	16
154	Diastereoselective Michael addition of (S)-mandelic acid enolate to 2-arylidene-1,3-diketones: enantioselective diversity-oriented synthesis of densely substituted pyrazoles. Tetrahedron, 2006, 62, 8069-8076.	1.9	16
155	Efficient Synthesis of 5â€Chalcogenylâ€1,3â€oxazinâ€2â€ones by Chalcogenâ€Mediated Yneâ€“Carbamate Cyclisation: An Experimental and Theoretical Study. European Journal of Organic Chemistry, 2015, 2015, 1020-1027.	2.4	16
156	Imparting hysteretic behavior to spin transition in neutral mononuclear complexes. RSC Advances, 2016, 6, 39627-39635.	3.6	16
157	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.	8.0	16
158	A Singular Noninterpenetrating Coordination Polymer with the Pt3O4Structure Containing Naked [Na+]4Units. Inorganic Chemistry, 2006, 45, 10431-10433.	4.0	15
159	Electronic Structure Modulation in an Exceptionally Stable Nonâ€Heme Nitrosyl Iron(II) Spinâ€Crossover Complex. Chemistry - A European Journal, 2016, 22, 12741-12751.	3.3	15
160	Organocatalytic Enantioselective Functionalization of Hydroxyquinolines through an Azaâ€Friedelâ€Crafts Alkylation with Isatinâ€derived Ketimines. Advanced Synthesis and Catalysis, 2018, 360, 859-864.	4.3	15
161	Organocatalytic Enantioselective Strecker Reaction with Sevenâ€Membered Cyclic Imines. Advanced Synthesis and Catalysis, 2018, 360, 3662-3666.	4.3	15
162	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.	2.0	15

#	Article	IF	Citations
163	Pressure effect studies on the 3D spin crossover system: {Fe(3CN-py)2[M(CN)2]2} Â·nH2O (nâ©½ 2/3, M = Ag(I),) Tj ETQq1 1 0.784	2.6	14
164	High-valent bis(oxo)-bridged dinuclear manganese oxamates: Synthesis, crystal structures, magnetic properties, and electronic structure calculations of bis(Î¼-oxo)dimanganese(IV) complexes with a binucleating o-phenylenedioxamate ligand. Inorganica Chimica Acta, 2007, 360, 221-232.	2.4	14
165	Spin crossover in iron(<scp>ii</scp>) complexes with ferrocene-bearing triazole-pyridine ligands. Dalton Transactions, 2015, 44, 18911-18918.	3.3	14
166	NMR Spectroscopic Characterization and DFT Calculations of Zirconium(IV)-3,3â€²-Br₂â€“BINOLate and Related Complexes Used in an Enantioselective Friedelâ€“Crafts Alkylation of Indoles with Î±,Î²-Unsaturated Ketones. Journal of Organic Chemistry, 2012, 77, 10545-10556.	3.2	13
167	Copper-catalysed enantioselective Michael addition of malonic esters to Î²-trifluoromethyl-Î±,Î²-unsaturated imines. Organic and Biomolecular Chemistry, 2017, 15, 3849-3853.	2.8	13
168	Structural, magnetic and calorimetric studies of a crystalline phase of the spin crossover compound [Fe(tzpy)2(NCSe)2]. CrystEngComm, 2013, 15, 3455.	2.6	12
169	Catalytic Asymmetric Formal [3+2] Cycloaddition of 2â€Isocyanatomalonate Esters and Unsaturated Imines: Synthesis of Highly Substituted Chiral Î³â€Lactams. Chemistry - A European Journal, 2017, 23, 14707-14711.	3.3	12
170	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.	13.8	12
171	Regioâ€and Stereoselective Synthesis of 3â€Pyrazolylideneâ€2â€oxindole Compounds by Nucleophilic Vinylic Substitution of (E)â€3â€(Nitromethylene)indolinâ€2â€one. Advanced Synthesis and Catalysis, 2019, 361, 1902-1907.	4.3	11
172	Organocatalytic Enantioselective Aminoalkylation of 5â€Aminopyrazole Derivatives with Cyclic Imines. European Journal of Organic Chemistry, 2020, 2020, 7450-7454.	2.4	11
173	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.	5.5	11
174	Synthesis, Crystal Structure and Magnetic Properties of [Fe(bpe)4(H2O)2](TCNQ)2 (bpe =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 T Und Allgemeine Chemie, 2005, 631, 2092-2095.	1.2	10
175	Enantioselective Friedelâ€“Crafts Alkylation of Indoles with (E)â€1â€Arylâ€4â€benzyloxybutâ€2â€enâ€1â€ones Catalyzed by an (R)â€3,3â€²â€Br₂BINOLateâ€“Hafnium(IV) Complex. European Journal of Organic Chemistry, 2013, 2013, 1902-1907.	2.4	10
176	A thermal- and light-induced switchable one-dimensional rare loop-like spin crossover coordination polymer. Dalton Transactions, 2019, 48, 17014-17021.	3.3	10
177	Organocatalytic enantioselective aminoalkylation of pyrazol-3-ones with aldimines generated in situ from Î±-amido sulfones. Organic and Biomolecular Chemistry, 2019, 17, 9859-9863.	2.8	10
178	Symmetry breakings in a metal organic framework with a confined guest. Physical Review B, 2020, 101, .	3.2	10
179	Synthesis and X-Ray Single Crystal Structure of Two New Copper Complexes with the Redox Active Ligand 1,10-Phenanthroline-5,6-dione. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 1985-1987.	1.2	9
180	From six-coordinate to eight-coordinate iron(<scp>ii</scp>) complexes with pyridyltriazolo-pyridine frameworks. CrystEngComm, 2016, 18, 7950-7954.	2.6	9

#	Article	IF	Citations
181	E,Z-Stereodivergent synthesis of N-tosyl Î±,Î²-dehydroamino esters via a Mukaiyamaâ€“Michael addition. RSC Advances, 2016, 6, 15655-15659.	3.6	9
182	Regioâ€Ÿ Diastereoâ€Ÿ and Enantioselective Organocatalytic Addition of 4â€Substituted Pyrazolones to Isatinâ€Derived Nitroalkenes. European Journal of Organic Chemistry, 2019, 2019, 3040-3044.	2.4	9
183	Catalytic Diastereo- and Enantioselective Vinylogous Mannich Reaction of Alkylidenepyrazolones to Isatin-Derived Ketimines. Organic Letters, 2021, 23, 7391-7395.	4.6	8
184	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.	4.0	7
185	Metal-Free Diastereo- and Enantioselective Dearomative Formal [3 + 2] Cycloaddition of 2-Nitrobenzofurans and Isocyanoacetate Esters. Organic Letters, 2022, 24, 2149-2154.	4.6	7
186	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.	4.0	6
187	Spin transition and symmetry-breaking in new mononuclear FeII tren-complexes with up to 38 K hysteresis around room temperature. Inorganic Chemistry Frontiers, 0, , .	6.0	6
188	Synthesis, crystal structure and magnetic properties of the spin crossover system [Fe(pq)3]2+. Inorganica Chimica Acta, 2008, 361, 4047-4054.	2.4	5
189	Synthese, Struktur und magnetische Eigenschaften eines achtkernigen Nickel(<scp>II</scp>)â€Komplexes mit einer zentralen hexahedroâ€Ni₈â€Einheit. Angewandte Chemie, 1996, 108, 1591-1593.	2.0	4
190	Thermochromic Meltable Materials with Reverse Spin Transition Controlled by Chemical Design. Angewandte Chemie, 2020, 132, 18791-18797.	2.0	4
191	Enantioselective Addition of Sodium Bisulfite to Nitroalkenes. A Convenient Approach to Chiral Sulfonic Acids. European Journal of Organic Chemistry, 2021, 2021, 5284-5287.	2.4	4
192	Catalytic Diastereo- and Enantioselective Synthesis of Tertiary Trifluoromethyl Carbinols through a Vinylogous Aldol Reaction of Alkylidenepyrazolones with Trifluoromethyl Ketones. Journal of Organic Chemistry, 2022, 87, 4538-4549.	3.2	4
193	Lanthanum-pyBOX complexes as catalysts for the enantioselective conjugate addition of malonate esters to Î²,Î³-unsaturated Î±-ketimino esters. Journal of Coordination Chemistry, 2018, 71, 864-873.	2.2	3
194	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.	4.0	3
195	Halobenzene Clathrates of the Porous Metalâ€“Organic Spin-Crossover Framework [Fe(tvp)₂(NCS)₂]_n. Stabilization of a Four-Step Transition. Inorganic Chemistry, 2022, 61, 4484-4493.	4.0	3
196	Crystal structure of the coordination polymer [Fe^{III}₂{Pt^{II}(CN)₄}₃]. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, i1-i2.	0.5	1
197	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.	2.0	1
198	Polymorphism and Pressure Driven Thermal Spin Crossover Phenomenon in [Fe(abpt)2(NCX)2] (X=S,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		1

#	Article	IF	Citations
199	Assembly and encapsulation of coordination tectons driven by hydrogen-bondingand space-filling. Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry, 2001, 4, 193-196.	0.1	0
200	Enantioselective zinc-mediated conjugate alkynylation of saccharin-derived 1-aza-butadienes. Chemical Communications, 2020, 56, 9461-9464.	4.1	0