

M Carmen Muoz

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200
papers

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91
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230
ext. papers

10,537
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
200	Thermal, pressure and light switchable spin-crossover materials. <i>Dalton Transactions</i> , 2005 , 2062-79	4.3	582
199	Bidirectional chemo-switching of spin state in a microporous framework. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4767-71	16.4	430
198	Cooperative spin crossover behavior in cyanide-bridged Fe(II)-M(II) bimetallic 3D Hofmann-like networks (M = Ni, Pd, and Pt). <i>Inorganic Chemistry</i> , 2001 , 40, 3838-9	5.1	399
197	Thermo-, piezo-, photo- and chemo-switchable spin crossover iron(II)-metallocyanate based coordination polymers. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 2068-2093	23.2	340
196	Crystalline-state reaction with allosteric effect in spin-crossover, interpenetrated networks with magnetic and optical bistability. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3760-2	16.4	331
195	Spin Crossover in 1D, 2D and 3D Polymeric Fe(II) Networks. <i>Topics in Current Chemistry</i> , 229-257		212
194	Precise control and consecutive modulation of spin transition temperature using chemical migration in porous coordination polymers. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8600-5	16.4	167
193	Oxidative addition of halogens on open metal sites in a microporous spin-crossover coordination polymer. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8944-7	16.4	151
192	Thermal-, pressure-, and light-induced spin transition in novel cyanide-bridged FeII-AgI bimetallic compounds with three-dimensional interpenetrating double structures (FeII _x [Ag(CN) ₂] ₂) ₂ .G. <i>Chemistry - A European Journal</i> , 2002 , 8, 2446-53	4.8	147
191	Thermal and Light-Induced Spin Crossover Phenomena in New 3D Hofmann-Like Microporous Metalorganic Frameworks Produced As Bulk Materials and Nanopatterned Thin Films. <i>Chemistry of Materials</i> , 2008 , 20, 6721-6732	9.6	142
190	Synergy between spin crossover and metallophilicity in triple interpenetrated 3D nets with the NbO structure type. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14224-5	16.4	140
189	Ferromagnetic Coupling through Spin Polarization in a Dinuclear Copper(II) Metallacyclophane. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3039-42	16.4	135
188	Light- and thermal-induced spin crossover in [Fe(abpt) ₂ (N(CN) ₂) ₂]. Synthesis, structure, magnetic properties, and high-spin/low spin relaxation studies. <i>Inorganic Chemistry</i> , 2001 , 40, 3986-91	5.1	122
187	Dinuclear iron(II) spin crossover compounds: singular molecular materials for electronics. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2522-2533		118
186	Thermal- and photoinduced spin-state switching in an unprecedented three-dimensional bimetallic coordination polymer. <i>Chemistry - A European Journal</i> , 2005 , 11, 2047-60	4.8	117
185	Spin Crossover in Novel Dihydrobis(1-pyrazolyl)borate [H(2)B(pz)(2)]-Containing Iron(II) Complexes. Synthesis, X-ray Structure, and Magnetic Properties of [FeL{H(2)B(pz)(2)}(2)] (L = 1,10-Phenanthroline and 2,2'-Bipyridine). <i>Inorganic Chemistry</i> , 1997 , 36, 3008-3013	5.1	114
184	Organocatalytic asymmetric addition of naphthols and electron-rich phenols to isatin-derived ketimines: highly enantioselective construction of tetrasubstituted stereocenters. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6320-4	16.4	107

183	A switchable molecular rotator: neutron spectroscopy study on a polymeric spin-crossover compound. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5083-9	16.4	103
182	Crystal structure and magnetic properties of bis(isothiocyanato)bis(pyrazine)iron polymer, a 2D sheetlike polymer. <i>Inorganic Chemistry</i> , 1991 , 30, 2701-2704	5.1	101
181	Synthesis and characterisation of a new series of bistable iron(II) spin-crossover 2D metal-organic frameworks. <i>Chemistry - A European Journal</i> , 2009 , 15, 10960-71	4.8	99
180	Long-range magnetic coupling through extended pi-conjugated aromatic bridges in dinuclear copper(II) metallacyclophanes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 10770-1	16.4	99
179	Thermal and Optical Switching of Molecular Spin States in the {[FeL[H2B(pz)2]2} Spin-Crossover System (L = bpy, phen) \square <i>Journal of Physical Chemistry B</i> , 2002 , 106, 4276-4283	3.4	97
178	Synergetic effect of host-guest chemistry and spin crossover in 3D Hofmann-like metal-organic frameworks [Fe(bpac)M(CN)4] (M=Pt, Pd, Ni). <i>Chemistry - A European Journal</i> , 2012 , 18, 507-16	4.8	96
177	Enhanced bistability by guest inclusion in Fe(II) spin crossover porous coordination polymers. <i>Chemical Communications</i> , 2012 , 48, 4686-8	5.8	95
176	Spin-crossover behavior in cyanide-bridged iron(II)-gold(I) bimetallic 2D Hofmann-like metal-organic frameworks. <i>Inorganic Chemistry</i> , 2008 , 47, 2552-61	5.1	95
175	Supramolecular isomerism in spin crossover networks with aurophilic interactions. <i>Chemical Communications</i> , 2004 , 2268-9	5.8	94
174	Metal dilution effects on the spin-crossover properties of the three-dimensional coordination polymer Fe(pyrazine)[Pt(CN)4]. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 14859-67	3.4	93
173	Spin crossover bistability in three mutually perpendicular interpenetrated (4,4) nets. <i>Inorganic Chemistry</i> , 2000 , 39, 5390-3	5.1	92
172	Polymorphism and Pressure Driven Thermal Spin Crossover Phenomenon in [Fe(abpt)2(NCX)2] (X = S, and Se): Synthesis, Structure and Magnetic Properties. <i>Monatshefte Für Chemie</i> , 2003 , 134, 285-294 ^{1.4}		91
171	Solid- and solution-state studies of the novel mu-dicyanamide-bridged dinuclear spin-crossover system {[Fe(bztpen)]2[μ -N(CN)2]}(PF6)3 x n H2O. <i>Chemistry - A European Journal</i> , 2005 , 11, 5721-34	4.8	88
170	Stabilization of copper(III) complexes by substituted oxamate ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 781-790		86
169	Stabilization of copper(III) complexes by disubstituted oxamides and related ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 745-752		80
168	Thermal and light induced polymorphism in iron(II) spin crossover compounds. <i>Chemical Communications</i> , 2004 , 1390-1	5.8	80
167	First Step Towards a Devil's Staircase in Spin-Crossover Materials. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8675-9	16.4	80
166	Enhanced porosity in a new 3D Hofmann-like network exhibiting humidity sensitive cooperative spin transitions at room temperature. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7217		79

- 165 Spin-crossover behavior in cyanide-bridged iron(II)-silver(I) bimetallic 2D Hofmann-like metal-organic frameworks. *Inorganic Chemistry*, **2007**, 46, 8182-92 5.1 77
- 164 Influence of the counterion and the solvent molecules in the spin crossover system [Co(4-terpyridone)₂]_n·nH₂O. *Inorganic Chemistry*, **2006**, 45, 4413-22 5.1 76
- 163 Bipyrimidine-Bridged Dinuclear Iron(II) Spin Crossover Compounds. *Topics in Current Chemistry*, 167-193 76
- 162 [CoII(4-terpyridone)₂]₂: a novel cobalt(II) spin crossover system [4-terpyridone = 2,6-bis(2-pyridyl)-4(1H)-pyridone]. *Inorganic Chemistry*, **2001**, 40, 9-10 5.1 75
- 161 Cooperative spin transition in the two-dimensional coordination polymer [Fe(4,4'-bipyridine)₂(NCX)₂]_n·nCHCl₃ (X = S, Se). *Inorganic Chemistry*, **2011**, 50, 10633-42 5.1 71
- 160 Sequestering aromatic molecules with a spin-crossover Fe(II) microporous coordination polymer. *Chemistry - A European Journal*, **2012**, 18, 8013-8 4.8 66
- 159 Unprecedented multi-stable spin crossover molecular material with two thermal memory channels. *Chemistry - A European Journal*, **2013**, 19, 6591-6 4.8 65
- 158 Crystalline-State Reaction with Allosteric Effect in Spin-Crossover, Interpenetrated Networks with Magnetic and Optical Bistability. *Angewandte Chemie*, **2003**, 115, 3890-3893 3.6 65
- 157 Spin crossover behavior in the iron(II)-2-pyridyl[1,2,3]triazolo[1,5-a]pyridine system: X-ray structure, calorimetric, magnetic, and photomagnetic studies. *Inorganic Chemistry*, **2003**, 42, 4782-8 5.1 63
- 156 Symmetry Breaking in Iron(II) Spin-Crossover Molecular Crystals. *Magnetochemistry*, **2016**, 2, 16 3.1 63
- 155 Organocatalytic Enantioselective Friedel-Crafts Aminoalkylation of Indoles in the Carbocyclic Ring. *ACS Catalysis*, **2016**, 6, 2689-2693 13.1 61
- 154 Reversible chemisorption of sulfur dioxide in a spin crossover porous coordination polymer. *Inorganic Chemistry*, **2013**, 52, 12777-83 5.1 61
- 153 Synthesis of functionalized indoles with a trifluoromethyl-substituted stereogenic tertiary carbon atom through an enantioselective Friedel-Crafts alkylation with beta-trifluoromethyl-alpha,beta-enones. *Chemistry - A European Journal*, **2010**, 16, 9117-22 4.8 61
- 152 Structure and magnetism of dinuclear copper(II) metallacyclophanes with oligoacenebis(oxamate) bridging ligands: theoretical predictions on wirelike magnetic coupling. *Journal of the American Chemical Society*, **2008**, 130, 576-85 16.4 60
- 151 Synthesis, structure, spectroscopy and redox chemistry of square-planar nickel(II) complexes with tetradentate o-phenylenedioxamidates and related ligands. *Dalton Transactions*, **2005**, 2516-26 4.3 57
- 150 Architectural isomerism in the three-dimensional polymeric spin crossover system [Fe(pmd)₂[Ag(CN)₂]₂]: synthesis, structure, magnetic properties, and calorimetric studies. *Inorganic Chemistry*, **2005**, 44, 8749-55 5.1 57
- 149 Polynuclear spin crossover complexes: synthesis, structure, and magnetic behavior of [Fe₄(μ-CN)₄(phen)₄(L)₂]₄₊ squares. *Inorganic Chemistry*, **2009**, 48, 3710-9 5.1 55
- 148 Cooperative thermal and optical switching of spin states in a new two-dimensional coordination polymer. *Chemical Communications*, **2003**, 1248-9 5.8 55

147	spin-Crossover Behavior in the Fe(tap) ₂ (NCS) ₂ ·nCH ₃ CN System (tap = 1,4,5,8-Tetraazaphenanthrene; n = 1, 1/2). Crystal Structures and Magnetic Properties of Both Solvates. <i>Inorganic Chemistry</i> , 1994 , 33, 3587-3594	5.1	55
146	Oximate complexes. Part 1. Solution study, synthesis, structure, spectroscopic and magnetic properties of polynuclear copper(II) complexes containing dimethylglyoxime. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993 , 1623-1628		53
145	Thermal- and pressure-induced cooperative spin transition in the 2D and 3D coordination polymers {Fe(5-Br-pmd) _z [M(CN) _x] _y } (M=AgI, AuI, NiII, PdII, PtII). <i>Inorganic Chemistry</i> , 2007 , 46, 9646-54	5.1	52
144	Mass effect on the equienergetic high-spin/low-spin states of spin-crossover in 4,4'-bipyridine-bridged iron(II) polymeric compounds: synthesis, structure, and magnetic, Mössbauer, and theoretical studies. <i>Inorganic Chemistry</i> , 2002 , 41, 6997-7005	5.1	52
143	Coordination polymers undergoing spin crossover and reversible ligand exchange in the solid. <i>Chemical Communications</i> , 2006 , 4321-3	5.8	51
142	Variation of the exchange interaction in oximate-bridged CuII/III dimers (M=Cu, Ni, Mn). Crystal structure of [Cu(pdmg)Cu(bipy)(H ₂ O) ₂] (ClO ₄) ₂ ·H ₂ O. <i>Inorganica Chimica Acta</i> , 1994 , 219, 179-186	2.7	49
141	Alkane oxidation by a carboxylate-bridged dimanganese(III) complex. <i>Chemical Communications</i> , 2001 , 2102-3	5.8	48
140	Organocatalytic Enantioselective Alkylation of Pyrazol-3-ones with Isatin-Derived Ketimines: Stereocontrolled Construction of Vicinal Tetrasubstituted Stereocenters. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 1583-1588	5.6	48
139	Pressure effect and crystal structure reinvestigations on the spin crossover system: [Fe(bt) ₂ (NCS) ₂] (bt = 2,2'-bithiazoline) polymorphs A and B. <i>Inorganic Chemistry</i> , 2006 , 45, 9670-9	5.1	47
138	Guest modulation of spin-crossover transition temperature in a porous iron(II) metal-organic framework: experimental and periodic DFT studies. <i>Chemistry - A European Journal</i> , 2014 , 20, 12864-73	4.8	46
137	Meltable Spin Transition Molecular Materials with Tunable T _c and Hysteresis Loop Width. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14777-81	16.4	45
136	Highly enantioselective nitrene cycloadditions with 2-alkenyl pyridine N-oxides catalyzed by Cu(II)-BOX complexes. <i>Organic Letters</i> , 2011 , 13, 402-5	6.2	45
135	Spin-crossover behavior in cyanide-bridged iron(II)-copper(I) bimetallic 1-3D metal-organic frameworks. <i>Inorganic Chemistry</i> , 2009 , 48, 3371-81	5.1	45
134	Rational design of a new class of heterobimetallic molecule-based magnets: Synthesis, crystal structures, and magnetic properties of oximate-bridged (M ² =LiI and MnII; M=NiII and CoII) open-frameworks with a three-dimensional honeycomb architecture. <i>Inorganica Chimica Acta</i> , 2008 , 311, 884-896	2.7	45
133	Oximate complexes. Part 2. Dinuclear dimethylglyoximate complexes of copper(II) with a new co-ordination mode of the oximate ligand. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993 , 3035-3039		44
132	Polymorphism and Reverse Spin Transition in the Spin Crossover System [Co(4-terpyridone) ₂](CF ₃ SO ₃) ₂ ·H ₂ O. <i>New Journal of Chemistry</i> , 2009 , 33, 1262	3.6	41
131	Guest Induced Strong Cooperative One- and Two-Step Spin Transitions in Highly Porous Iron(II) Hofmann-Type Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2017 , 56, 7038-7047	5.1	40
130	Hydroxy-Directed Enantioselective Hydroxyalkylation in the Carbocyclic Ring of Indoles. <i>Organic Letters</i> , 2017 , 19, 1546-1549	6.2	40

129	A metallacryptand-based manganese(II)-cobalt(II) ferrimagnet with a three-dimensional honeycomb open-framework architecture. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4211-6	16.4	40
128	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. <i>Journal of Molecular Catalysis A</i> ,		39
127	Enantioselective Synthesis of 4-Substituted Dihydrocoumarins through a Zinc Bis(hydroxyamide)-Catalyzed Conjugate Addition of Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 1071-1076	5.6	38
126	Ferromagnetic Coupling between Copper(II) Centers through the Diamagnetic Zinc(II) Ion: Crystal Structure and Magnetic Properties of [Cu(2)Zn(Hdmg)(2)(dmg)(2)(H(2)O)].0.5H(2)dmg.H(2)O (H(2)dmg = Dimethylglyoxime). <i>Inorganic Chemistry</i> , 1997 , 36, 3434-3439	5.1	38
125	Mössbauer investigation of the photoexcited spin states and crystal structure analysis of the spin-crossover dinuclear complex [{Fe(bt)(NCS)(2)}(2)bpym] (bt=2,2'-bithiazoline, bpym=2,2'-bipyrimidine). <i>Chemistry - A European Journal</i> , 2006 , 12, 9289-98	4.8	38
124	Pressure Effect Investigations on the Spin Crossover Systems{Fe[H2B(pz)2]2(bipy)} and {Fe[H2B(pz)2]2(phen)}. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 3571-3573	2.3	38
123	[Cr(dpa)(ox)2]n 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]nH2O, Rad[Cr(dpa)(ox)2]nH2O and Sr[Cr(dpa)(ox)2]2nH2O (dpa = 2,2'-dipyridylamine). <i>New Journal of Chemistry</i> , 2001 , 25, 1224-1235	3.6	38
122	A Square-Planar Dinickel(II) Complex with a Noninnocent Dinucleating Oxamate Ligand: Evidence for a Ligand Radical Species. <i>European Journal of Inorganic Chemistry</i> , 1999 , 1999, 1067-1071	2.3	38
121	Spin crossover star-shaped metallomesogens of iron(II). <i>Inorganic Chemistry</i> , 2014 , 53, 8442-54	5.1	37
120	Highly Enantio- and Diastereoselective Inverse Electron Demand Hetero-Diels-Alder Reaction using 2-Alkenoylpyridine N-Oxides as Oxo-Heterodienes. <i>Advanced Synthesis and Catalysis</i> , 2009 , 351, 107-111	5.6	37
119	Two- and one-step cooperative spin transitions in Hofmann-like clathrates with enhanced loading capacity. <i>Chemical Communications</i> , 2014 , 50, 1833-5	5.8	36
118	Strong Cooperative Spin Crossover in 2D and 3D Fe-M Hofmann-Like Coordination Polymers Based on 2-Fluoropyrazine. <i>Inorganic Chemistry</i> , 2016 , 55, 10654-10665	5.1	35
117	Thermo- and photo-modulation of exciplex fluorescence in a 3D spin crossover Hofmann-type coordination polymer. <i>Chemical Science</i> , 2018 , 9, 8446-8452	9.4	35
116	Enantioselective LaIII-pyBOX-Catalyzed Nitro-Michael Addition to (E)-2-Azachalcones. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 1696-1705	3.2	33
115	Competing Phases Involving Spin-State and Ligand Structural Orderings in a Multistable Two-Dimensional Spin Crossover Coordination Polymer. <i>Crystal Growth and Design</i> , 2017 , 17, 2736-2745	3.5	32
114	Organocatalytic Asymmetric Addition of Naphthols and Electron-Rich Phenols to Isatin-Derived Ketimines: Highly Enantioselective Construction of Tetrasubstituted Stereocenters. <i>Angewandte Chemie</i> , 2015 , 127, 6418-6422	3.6	32
113	Thermal-, Pressure- and Light-Induced Spin-Crossover Behaviour in the Two-Dimensional Hofmann-Like Coordination Polymer [Fe(3-Clpy)2Pd(CN)4]. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 813-818	2.3	31
112	Enantioselective synthesis of tertiary alcohols through a zirconium-catalyzed Friedel-Crafts alkylation of pyrroles with β -ketoesters. <i>Journal of Organic Chemistry</i> , 2011 , 76, 6286-94	4.2	31

111	Ferromagnetic Coupling through Spin Polarization in a Dinuclear Copper(II) Metallacyclophane. <i>Angewandte Chemie</i> , 2001 , 113, 3129-3132	3.6	31
110	Homoleptic Iron(II) Complexes with the Ionogenic Ligand 6,6'-Bis(1H-tetrazol-5-yl)-2,2'-bipyridine: Spin Crossover Behavior in a Singular 2D Spin Crossover Coordination Polymer. <i>Inorganic Chemistry</i> , 2015 , 54, 7424-32	5.1	30
109	Organocatalytic Enantioselective Synthesis of Pyrazoles Bearing a Quaternary Stereocenter. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1532-6	4.5	30
108	Enantioselective addition of nitromethane to 2-acylpyridine N-oxides. Expanding the generation of quaternary stereocenters with the Henry reaction. <i>Organic Letters</i> , 2014 , 16, 1204-7	6.2	30
107	Novel iron(II) microporous spin-crossover coordination polymers with enhanced pore size. <i>Inorganic Chemistry</i> , 2013 , 52, 3-5	5.1	30
106	Thermal and pressure-induced spin crossover in a novel three-dimensional Hoffman-like clathrate complex. <i>New Journal of Chemistry</i> , 2011 , 35, 1205	3.6	30
105	Catalytic enantioselective addition of terminal alkynes to aromatic aldehydes using zinc-hydroxyamide complexes. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 4301-8	3.9	30
104	Structure and magnetic properties of a linear oximate-bridged tetranuclear copper(II) complex. <i>Inorganica Chimica Acta</i> , 1998 , 268, 263-269	2.7	30
103	Organocatalytic enantioselective aza-Friedel-Crafts reaction of 2-naphthols with benzoxathiazine 2,2-dioxides. <i>RSC Advances</i> , 2015 , 5, 60101-60105	3.7	29
102	A wide family of pyridoxal thiosemicarbazone ferric complexes: Syntheses, structures and magnetic properties. <i>Inorganica Chimica Acta</i> , 2009 , 362, 56-64	2.7	28
101	Synthesis and relative stability of a series of compounds of type [Fe(II)(bztpen)X] ⁺ , where bztpen=pentadentate ligand, N5, and X=monodentate anion. <i>Inorganic Chemistry</i> , 2007 , 46, 7285-93	5.1	28
100	[Fe(TPT)(2/3){M(I)(CN)2}2]nSolv (M(I) = Ag, Au): new bimetallic porous coordination polymers with spin-crossover properties. <i>Chemistry - A European Journal</i> , 2013 , 19, 6851-61	4.8	27
99	Synthesis of Functionalized Indoles with an Stereogenic Ketone Moiety Through an Enantioselective Friedel-Crafts Alkylation with (E)-1,4-Diaryl-2-butene-1,4-diones. <i>Advanced Synthesis and Catalysis</i> , 2009 , 351, 2433-2440	5.6	27
98	Spin-Crossover 2D Metal-Organic Frameworks with a Redox-Active Ligand: [Fe(ttf-adpy)2M(CN)4]nH2O (ttf-adpy = 4-Tetrathiafulvalenylcarboxamidopyridine; MII = Ni, Pd, Pt). <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 303-310	2.3	27
97	{Fe(3CNpy)2[Cu(3CNpy)(μ-CN)2]2}: a one-dimensional cyanide-based spin-crossover coordination polymer. <i>Inorganic Chemistry</i> , 2006 , 45, 4583-5	5.1	27
96	Chemistry and reactivity of mononuclear manganese oxamate complexes: Oxidative carbon-carbon bond cleavage of vic-diols by dioxygen and aldehydes catalyzed by a trans-dipyridine manganese(III) complex with a tetradentate o-phenylenedioxamate ligand. <i>Journal of Molecular Catalysis A</i> , 2006 , 217, 11-18		27
95	Rational Design of Homo and Hetero Hexanuclear Coordination Compounds: Syntheses and Magnetic Properties of [Cu2IIIM4II] (M = Cu, Ni) Species and the Crystal Structure of {[Cu(tmen)(H2O)]2[Cu2L](H2O)}(ClO4)4·2H2O. <i>European Journal of Inorganic Chemistry</i> , 2000 , 2000, 951-957	2.3	27
94	Discrimination between two memory channels by molecular alloying in a doubly bistable spin crossover material. <i>Chemical Science</i> , 2019 , 10, 3807-3816	9.4	26

93	Organocatalytic Enantioselective Friedel-Crafts Alkylation of 1-Naphthol Derivatives and Activated Phenols with Ethyl Trifluoropyruvate. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 3047-3051	5.6	25
92	Pertosylated polyaza[n](9,10)anthracenophanes. <i>Tetrahedron</i> , 1997 , 53, 2629-2640	2.4	25
91	Cooperative Spin-Crossover Behaviour in Polymeric 1D Fell Coordination Compounds: $[\{\text{Fe}(\text{tba})_3\text{X}_2\}_n\text{H}_2\text{O}]$. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 4481-4491	2.3	25
90	Structural effects on the magnetic properties of ferric complexes in molecular materials or a lamellar CdPS3 host matrix. <i>New Journal of Chemistry</i> , 2004 , 28, 535-541	3.6	25
89	Catalytic Enantioselective Aza-Reformatsky Reaction with Cyclic Imines. <i>Chemistry - A European Journal</i> , 2016 , 22, 17590-17594	4.8	24
88	Manganese(IV) oxamato-catalyzed oxidation of secondary alcohols to ketones by dioxygen and pivalaldehyde. <i>Chemical Communications</i> , 1998 , 989-990	5.8	24
87	Bis(dimethylviolurato)(phenanthroline)cobalt(II), a low-spin octahedral cobalt(II) complex. Crystal structure of $[\text{Co}(\text{dmvi})_2\text{phen}]\cdot 2\text{CHCl}_3$. <i>Inorganic Chemistry</i> , 1993 , 32, 2013-2017	5.1	24
86	Clathration of Five-Membered Aromatic Rings in the Bimetallic Spin Crossover Metal-Organic Framework $[\text{Fe}(\text{TPT})_2/3\{\text{MI}(\text{CN})_2\}_2]_n$ (MI = Ag, Au). <i>Crystal Growth and Design</i> , 2014 , 14, 6311-6319	3.5	23
85	Synthesis of densely functionalised 5-halogen-1,3-oxazin-2-ones by halogen-mediated regioselective cyclisation of N-Cbz-protected propargylic amines: a combined experimental and theoretical study. <i>Chemistry - A European Journal</i> , 2013 , 19, 14852-60	4.8	23
84	Spin Crossover and Paramagnetic Behaviour in Two-Dimensional Iron(II) Coordination Polymers with Stilbazole PushPull Ligands. <i>Australian Journal of Chemistry</i> , 2009 , 62, 1155	1.2	23
83	Aza-Henry Reaction of Isatin Ketimines with Methyl 4-Nitrobutyrate en Route to Spiro[piperidine-3,3'-oxindoles]. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 3857-3862	5.6	22
82	Thermal, pressure and light induced spin transition in the two-dimensional coordination polymer $[\text{Fe}(\text{pmd})_2[\text{Cu}(\text{CN})_2]_2]$. <i>Dalton Transactions</i> , 2008 , 642-9	4.3	22
81	Chiral and Racemic Spin Crossover Polymorphs in a Family of Mononuclear Iron(II) Compounds. <i>Inorganic Chemistry</i> , 2017 , 56, 13535-13546	5.1	21
80	Fast detection of water and organic molecules by a change of color in an iron(II) microporous spin-crossover coordination polymer. <i>Inorganic Chemistry</i> , 2012 , 51, 13078-80	5.1	21
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