

Miguel Julve

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#	Paper	IF	Citations
582	Spin crossover in a catenane supramolecular system. <i>Science</i> , 1995 , 268, 265-7	33.3	542
581	Magnetic properties of six-coordinated high-spin cobalt(II) complexes: Theoretical background and its application. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3432-3445	2.7	481
580	Design of single chain magnets through cyanide-bearing six-coordinate complexes. <i>Coordination Chemistry Reviews</i> , 2005 , 249, 2691-2729	23.2	395
579	Slow dynamics of the magnetization in one-dimensional coordination polymers: single-chain magnets. <i>Inorganic Chemistry</i> , 2009 , 48, 3420-37	5.1	344
578	Cyanide-bridged iron(III)-cobalt(II) double zigzag ferromagnetic chains: two new molecular magnetic nanowires. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1483-6	16.4	330
577	Field-induced slow magnetic relaxation in a six-coordinate mononuclear cobalt(II) complex with a positive anisotropy. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15704-7	16.4	315
576	Design of .mu.-oxalato copper(II) binuclear complexes exhibiting expected magnetic properties. <i>Inorganic Chemistry</i> , 1984 , 23, 3808-3818	5.1	261
575	[Fe(bpym)(CN)4]-: a new building block for designing single-chain magnets. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4842-53	16.4	241
574	Ligand design for multidimensional magnetic materials: a metallosupramolecular perspective. <i>Dalton Transactions</i> , 2008 , 2780-805	4.3	233
573	Spin Polarization and Ferromagnetism in Two-Dimensional Sheetlike Cobalt(II) Polymers: [Co(L)2(NCS)2] (L=Pyrimidine or Pyrazine). <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 135-138	16.4	219
572	Molecular magnetism, quo vadis? A historical perspective from a coordination chemist viewpoint?. <i>Coordination Chemistry Reviews</i> , 2017 , 339, 17-103	23.2	218
571	Ferromagnetism in malonato-bridged copper(II) complexes. Synthesis, crystal structures, and magnetic properties of [[Cu(H2O)3][Cu(mal)2(H2O)]] _n and [[Cu(H2O)4]2[Cu(mal)2(H2O)]] _n [[Cu(mal)2(H2O)2][Cu(H2O)4][Cu(mal)2(H2O)2]] _n (H2mal = malonic acid). <i>Inorganic Chemistry</i> , 2000 , 39, 1363-70	5.1	202
570	Crystal structures and magnetic properties of two octacyanotungstate(IV) and (V)-cobalt(II) three-dimensional bimetallic frameworks. <i>Inorganic Chemistry</i> , 2003 , 42, 7052-9	5.1	193
569	Coordination chemistry of N,N'-bis(coordinating group substituted)oxamides: a rational design of nuclearity tailored polynuclear complexes. <i>Coordination Chemistry Reviews</i> , 1999 , 193-195, 1069-1117	23.2	180
568	Supramolecular coordination chemistry of aromatic polyoxalamide ligands: A metallosupramolecular approach toward functional magnetic materials. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 2281-2296	23.2	168
567	Ability of terephthalate (ta) to mediate exchange coupling in ta-bridged copper(II), nickel(II), cobalt(II) and manganese(II) dinuclear complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 1915-1924		154
566	Influence of the Peripheral Ligand Atoms on the Exchange Interaction in Oxalato-Bridged Nickel(II) Complexes: An Orbital Model. Crystal Structures and Magnetic Properties of (H3dien)(2)[Ni(2)(ox)(5)]. 12H(2)O and [Ni(2)(dien)(2)(H(2)O)(2)(ox)]Cl(2). <i>Inorganic Chemistry</i> , 1996 , 35, 3741-3751	5.1	151

565	Synthesis, crystal structure, and magnetic properties of (.mu.-bipyrimidine)(cyanato)copper(II) and -(thiocyanato)copper(II) complexes. <i>Inorganic Chemistry</i> , 1993 , 32, 795-802	5.1	150
564	An Azide-Bridged Copper(II) Ferromagnetic Chain Compound Exhibiting Metamagnetic Behavior. <i>Inorganic Chemistry</i> , 1997 , 36, 3301-3306	5.1	149
563	Cyanide-bridged Fe(III)-Co(II) bis double zigzag chains with a slow relaxation of the magnetisation. <i>Chemical Communications</i> , 2003 , 1850-1	5.8	149
562	Field-induced hysteresis and quantum tunneling of the magnetization in a mononuclear manganese(III) complex. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 14075-9	16.4	138
561	Syntheses, crystal structures and magnetic properties of copper(II) dicyanamide complexes; dinuclear, chain and ladder compounds. <i>Dalton Transactions RSC</i> , 2002 , 566-574		138
560	A tetranuclear hydroxo-bridged copper(II) cluster of the cubane type. Preparation and structural and magnetic characterization of tetrakis[(2,2'-bipyridyl)hydroxocopper(II)] hexafluorophosphate. <i>Inorganic Chemistry</i> , 1990 , 29, 5054-5058	5.1	137
559	Crystal Structures and Magnetic Properties of Novel [Ln(III)Cu(II)(4)] (Ln = Gd, Dy, Ho) Pentanuclear Complexes. Topology and Ferromagnetic Interaction in the Ln(III)-Cu(II) Pair. <i>Inorganic Chemistry</i> , 1996 , 35, 7384-7393	5.1	136
558	Ferromagnetic Coupling through Spin Polarization in a Dinuclear Copper(II) Metallacyclophane. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3039-42	16.4	135
557	2,2'-Bipyrimidineoxalatocopper(II) Complexes: From the Mononuclear Complex to the 2D Sheetlike Polymer. <i>Angewandte Chemie International Edition in English</i> , 1993 , 32, 613-615		132
556	Coordination modes of the squarate ligand: syntheses and crystal structures of six copper(II) squarate complexes. <i>Inorganic Chemistry</i> , 1990 , 29, 775-784	5.1	132
555	Cobalt(II)Copper(II) Bimetallic Chains as a New Class of Single-Chain Magnets. <i>Advanced Materials</i> , 2004 , 16, 1597-1600	24	131
554	Syntheses, crystal structures, and magnetic properties of one-dimensional oxalato-bridged Co(II), Ni(II), and Cu(II) complexes with n-aminopyridine (n = 2-4) as terminal ligand. <i>Inorganic Chemistry</i> , 2001 , 40, 5526-35	5.1	131
553	Oxalato-bridged and related dinuclear copper(II) complexes: theoretical analysis of their structures and magnetic coupling. <i>Inorganic Chemistry</i> , 1990 , 29, 4500-4507	5.1	131
552	Structural versatility of the malonate ligand as a tool for crystal engineering in the design of molecular magnets. <i>CrystEngComm</i> , 2002 , 4, 522-535	3.3	130
551	Molecular topology exchange interaction: synthesis and magnetic properties of [Cu(II)3M(II)] (M = cadmium, nickel, manganese) tetranuclear species. <i>Inorganic Chemistry</i> , 1990 , 29, 3967-3972	5.1	128
550	Copper(II), a chemical Janus: two different (oxalato)(bipyridyl)copper(II) complexes in one single crystal. Structure and magnetic properties. <i>Journal of the American Chemical Society</i> , 1984 , 106, 8306-8308	16.4	126
549	Crystal structure and magnetic properties of the flexible self-assembled two-dimensional square network complex [Cu ₂ (mal) ₂ (H ₂ O) ₂ (4,4'-bpy)] (H ₂ mal=malonic acid and 4,4'-bpy=4,4'-bipyridine). <i>Inorganica Chimica Acta</i> , 2001 , 318, 159-165	2.7	125
548	Highly selective chemical sensing in a luminescent nanoporous magnet. <i>Advanced Materials</i> , 2012 , 24, 5625-9	24	121

547	Ferromagnetic coupling between low- and high-spin iron(III) ions in the tetranuclear complex fac-[FeIII[HB(pz)3](CN)2(mu-CN)]3FeIII(H2O)3* 6H2O ([HB(pz)3]- = hydrotris(1-pyrazolyl)borate). <i>Inorganic Chemistry</i> , 2002 , 41, 5943-5	5.1	119
546	Magnetic coupling through the carbon skeleton of malonate in two polymorphs of ([Cu(bpy)(H2O)][Cu(bpy)(mal)(H2O)])(ClO4)2 (H2mal = malonic acid; bpy = 2,2'-bipyridine). <i>Inorganic Chemistry</i> , 2000 , 39, 3845-52	5.1	119
545	Ferromagnetic coupling in the three-dimensional malonato-bridged gadolinium(III) complex [Gd2(mal)3(H2O)6] (H2mal = malonic acid). <i>Inorganic Chemistry</i> , 2003 , 42, 5456-8	5.1	118
544	Weak Ferromagnetism in Chiral 3-Dimensional Oxalato-Bridged Cobalt(II) Compounds. Crystal Structure of [Co(bpy)(3)][Co(2)(ox)(3)]ClO(4). <i>Inorganic Chemistry</i> , 1998 , 37, 4131-4135	5.1	116
543	On/off photoswitching in a cyanide-bridged {Fe2Co2} magnetic molecular square. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1653-6	16.4	115
542	Exchange interaction through extended molecular bridges: magnetic properties of .mu.-4,4'-bipyridine and .mu.-pyrazine copper(II) binuclear complexes and crystal structures of (.mu.-4,4'-bipyridine)bis[(diethylenetriamine)(perchlorato)copper(II)] perchlorate and	5.1	114
541	2,2'-Bipyrimidine (bipym)-bridged dinuclear complexes. Part 4. Synthesis, crystal structure and magnetic properties of [CO2(H2O)8(bipym)][NO3]4, [CO2(H2O)8(bipym)][SO4]2*2H2O and [CO2(bipym)3(NCS)4]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994 , 1175-1183		112
540	Design of high-dimensional copper(II) malonate complexes with exo-polydentate N-donor ligands. <i>Inorganic Chemistry</i> , 2003 , 42, 5938-48	5.1	111
539	Oxalate and 2,2'-Bipyrimidine as Useful Tools in Designing Layered Compounds. <i>Inorganic Chemistry</i> , 1995 , 34, 408-411	5.1	110
538	Three one-dimensional systems with end-to-end dicyanamide bridges between copper(II) centres: structural and magnetic properties. <i>Dalton Transactions RSC</i> , 2002 , 3164-3170		107
537	Synthesis, Crystal Structure, and Magnetic Properties of Tetraphenylarsonium Tetrachloro(oxalato)rhenate(IV) and Bis(2,2'-bipyridine)tetrachloro(oxalato)copper(II)rhenium(IV). <i>Inorganic Chemistry</i> , 1999 , 38, 4745-4752	5.1	105
536	Selective gas and vapor sorption and magnetic sensing by an isorecticular mixed-metal-organic framework. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15301-4	16.4	102
535	Azido and 2,2'-Bipyrimidine Ligands as Useful Tools in Designing Two- and Three-Dimensional Manganese(II) Networks. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1807-1810		102
534	EXAFS structure and magnetic properties of a CuIINiII .mu.-oxalato mixed linear chain. <i>Inorganic Chemistry</i> , 1983 , 22, 2624-2629	5.1	102
533	Malonate-based copper(II) coordination compounds: ferromagnetic coupling controlled by dicarboxylates. <i>Polyhedron</i> , 2003 , 22, 2143-2153	2.7	101
532	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
531	[Fe(II)LSCo(III)LS]2 <=> [Fe(III)LSCo(II)HS]2 photoinduced conversion in a cyanide-bridged heterobimetallic molecular square. <i>Chemical Communications</i> , 2010 , 46, 8995-7	5.8	100
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- 527 [Fe(Phen)(CN)4]-: a versatile building block for the design of heterometallic systems. Crystal structures and magnetic properties of PPh4[Fe(Phen)(CN)4]*2H2O and [[Fe(Phen)(CN)4]2M(H2O)2]*4H2O [Phen = 1,10-phenanthroline; M = Mn(II) and Zn(II)]. *Inorganic Chemistry*, **2001**, 40, 2065-72 5.1 99
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- 525 1,2,4,5-benzenetetracarboxylate- and 2,2'-bipyrimidine-containing cobalt(II) coordination polymers: preparation, crystal structure, and magnetic properties. *Inorganic Chemistry*, **2008**, 47, 3568-76 5.1 97
- 524 Synthesis, crystal structure and magnetic properties of two-dimensional malonato-bridged cobalt(II) and nickel(II) compounds. *CrystEngComm*, **2004**, 6, 106-111 3.3 97
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- 520 Highly anisotropic rhenium(IV) complexes: new examples of mononuclear single-molecule magnets. *Journal of the American Chemical Society*, **2013**, 135, 13737-48 16.4 94
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- 518 [Fe(bipy)(CN)4](-) as a versatile building block for the design of heterometallic systems: synthesis, crystal structure, and magnetic properties of PPh4[Fe(III)(bipy)(CN)4] x H(2)O, [[Fe(III)(bipy)(CN)4](2)M(II)(H(2)O)4] x 4H(2)O, and [[Fe(III)(bipy)(CN)4](2)Zn(II)] x 2H(2)O [bipy = 2,2'-bipyridine; M = Mn(II) and Zn(II)]. *Inorganic Chemistry*, **2002**, 41, 818-21 5.1 90
- 517 Crystal engineering of 3-D coordination polymers by pillaring ferromagnetic copper(II)-methylmalonate layers. *CrystEngComm*, **2007**, 9, 478-487 3.3 88
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511	Postsynthetic Improvement of the Physical Properties in a Metal-Organic Framework through a Single Crystal to Single Crystal Transmetalation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6521-5	16.4	84
510	Bis(oxalato)chromium(III) complexes: Versatile tectons in designing heterometallic coordination compounds. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 161-185	23.2	84
509	Two- and three-dimensional networks of gadolinium(III) with dicarboxylate ligands: synthesis, crystal structure, and magnetic properties. <i>Inorganic Chemistry</i> , 2006 , 45, 10585-94	5.1	84
508	Ferromagnetic Coupling Through the End-to-End Thiocyanate Bridge in Cobalt(II) and Nickel(II) Chains. <i>Crystal Growth and Design</i> , 2015 , 15, 2380-2388	3.5	83
507	Unusual (μ -aqua)bis(μ -carboxylate) bridge in homometallic M(II) (M=Mn, Co and Ni) two-dimensional compounds based on the 1,2,3,4-butanetetracarboxylic acid: synthesis, structure, and magnetic properties. <i>Inorganic Chemistry</i> , 2007 , 46, 7458-65	5.1	83
506	Structural, spectral, and magnetic properties of end-to-end di- μ -thiocyanato-bridged polymeric complexes of Ni(II) and Co(II). X-ray crystal structure of di- μ -thiocyanatobis(imidazole)nickel(II). <i>Inorganic Chemistry</i> , 2002 , 41, 1771-7	5.1	82
505	Syntheses, crystal structures and magnetic properties of chromato-, sulfato-, and oxalato-bridged dinuclear copper(II) complexes. <i>Inorganica Chimica Acta</i> , 2000 , 300-302, 846-854	2.7	82
504	Ferromagnetic coupling in a one-dimensional molecular railroad copper(II) azido compound containing a defective double cubane motif. <i>Inorganic Chemistry</i> , 2001 , 40, 3619-22	5.1	82
503	Crystal structure and magnetic properties of manganese-copper complex MnCu(obbz)(H ₂ O) ₃ .cnddot.DMF (obbz = N,N'-oxamidobis(benzoato) and DMF = dimethylformamide), a precursor of the molecular-based magnet MnCu(obbz).cnddot.H ₂ O with T _c = 14 K. <i>Inorganic Chemistry</i> , 1993 , 32, 27-31	5.1	82
502	Reversible solvatomagnetic switching in a spongelike manganese(II)-copper(II) 3D open framework with a pillared square/octagonal layer architecture. <i>Chemistry - A European Journal</i> , 2012 , 18, 1608-17	4.8	81
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499	Rational enantioselective design of chiral heterobimetallic single-chain magnets: synthesis, crystal structures and magnetic properties of oxamato-bridged M(II)Cu(II) chains (M=Mn, Co). <i>Chemistry - A European Journal</i> , 2011 , 17, 12482-94	4.8	77
498	Study of the influence of the bridge on the magnetic coupling in cobalt(II) complexes. <i>Inorganic Chemistry</i> , 2009 , 48, 11342-51	5.1	77
497	Ferromagnetic coupling in the malonato-bridged copper(II) chains [Cu(lm) ₂ (mal)] _n and [Cu(2-Melm) ₂ (mal)] _n (H ₂ mal = malonic acid, lm = imidazole and 2-Melm = 2-methylimidazole). <i>New Journal of Chemistry</i> , 2002 , 26, 1624-1628	3.6	77
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- 492 Significant antiferromagnetic coupling in a terephthalate (ta)-bridged manganese(II) compound: preparation, crystal structure and magnetic properties of the chain $[\text{Mn}_2(\text{bipy})_4(\text{ta})][\text{ClO}_4]_2(\text{bipy} = 2,2'\text{-bipyridine})$. *Journal of the Chemical Society Dalton Transactions*, **1994**, 3465-3469 73
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